

Features _ icon

-  • Anti Corrosion Gold Fin
-  • Weekly Program
-  • Turbo Fan
-  • High Head Drain Pump
-  • Low Standby Power
-  • Auto Restart
-  • Central Controller(Accessory)
-  • Group Control
-  • Child Lock Function
-  • Two Thermistor Control
-  • Auto Changeover
-  • Long & High Elevation Piping
-  • Hot Start
-  • Zone Control (Optional)
-  • Wireless Remote Controller
-  • Jet Cool
-  • Auto Operation
-  • 7-Hour OFF Setting Timer
-  • 24-Hour ON/OFF Setting Timer
-  • Duct Operation



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For continual product development, LG reserves the right to change specifications without notice.
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LG Commercial Air Conditioners 2008

*Enjoy Clean, Quiet and Comfortable
Air Conditioning with LG.*



www.lge.com

EU-CA081



The Worlds Number One



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

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

Environmental concern 2008

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



Enjoy Clean, Quiet,
and Comfortable
Air Conditioning with LG

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>(Actual consumption will depend 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		
<small>(dB, 1/1 re 1 W)</small>		
Further information is contained in product brochures		
Air-conditioner		
<small>Energy Label Directive 2002/31/EC</small>		

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



Why buy LG Air Conditioners?



1 Global No.1 Air conditioning Manufacturer

Enjoy peace of mind when you buy the LG air conditioner, knowing that you have bought a product from the global No.1 air conditioner manufacturer. We have achieved this position by investing substantial efforts into Research and Development with six international R&D centres to ensure the most innovative,



quality products are brought to market .

LG air conditioners are also ISO9001 and ISO14001

compliant which means the products undergo rigorous compliance processes so you

can be sure you are buying the best possible quality. At LG we understand the part air conditioning plays in bringing comfort to the home and as such we strive to create exceptional products that exceed our customer's expectations.

2 Customized design system

With a compact type outdoor unit, placement is convenient, allowing smooth construction and accurate installation with consideration of the house and surrounding environment.



3 Economical system for initial & operation cost



Initial and operation cost is lower compared to that of central air-conditioning, and there is no need for special maintenance person, so it is economic and efficient.



4 Air Conditioning for Everyone

Over many years of development, the range of LG air conditioners has continued to grow. We have taken all we've learnt in the residential market and applied it to the commercial market. So not only do we provide air conditioned comfort in the home, we also produce air conditioning systems to suit office blocks and other commercial structures. From window air conditioners to large VRF systems, LG has an Air Conditioner For Everyone.



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Ceiling Cassette Type_10p



10

Ceiling Cassette

Ceiling Concealed Duct Type_18p



18

Ceiling Concealed Duct

Ceiling & Floor Type_26p
Ceiling Suspended Type



26

Ceiling & Floor
Ceiling Suspended

Synchro Type_34p



34

Synchro

Floor Standing Type_40p



40

Floor Standing

Rooftop Type_44p



44

Rooftop

Multi Split System _48p










48

Multi Split System






Universal_Indoor Type

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

Universal_Outdoor Type

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

Set Type

Type \ kW	2.5	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0	32.8
Ceiling Concealed Duct Type										 B120AH SVO
Ceiling and Floor Type	 VO9AH SE0									
Floor Standing Type					 PO3AH SRI		 PO5AH STO		 PO8AH SFT (21.1kW)	

31 / 45 / 66

Rooftop Type



R120AH SCO



R180AH SCO



R240AH SCO

Inverter Technology

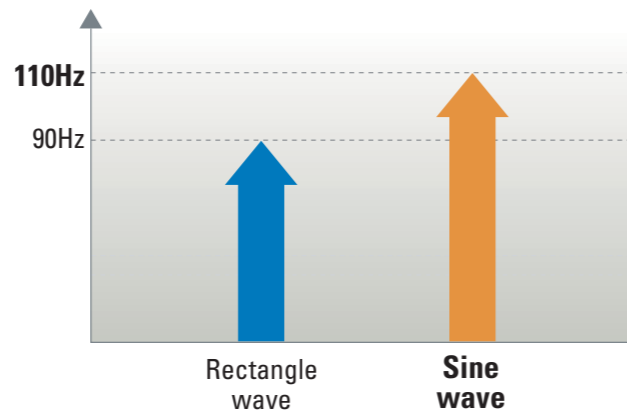
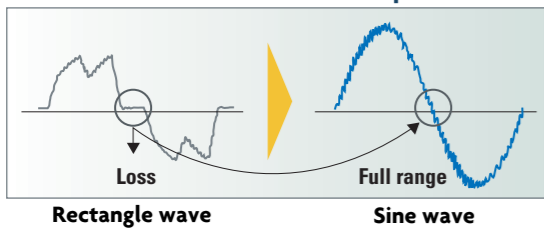
With the advancement of inverter technology comes more silent, economical and powerful air conditioning systems.

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

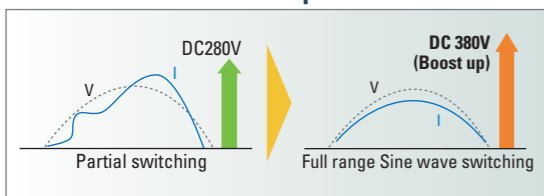
The LG air conditioner is manufactured using the PFC and the sine wave technology. By the PFC control, raising the operating voltage from the existing DC 280V to DC 380V can be done. Thereby, it makes the operation smooth in a high-frequency area.

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

Sine wave Control in BLDC Compressor

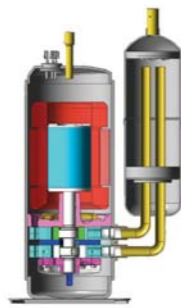
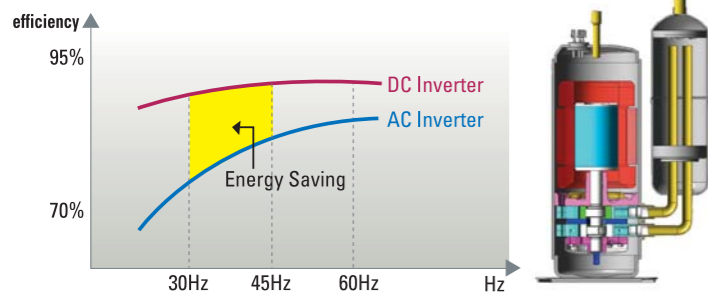


PFC Control in Power Input



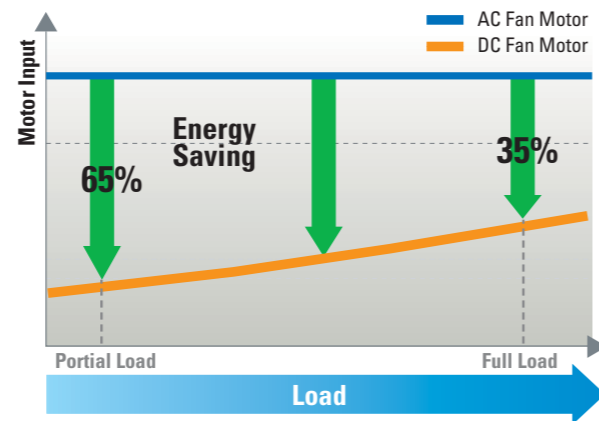
Powerful BLDC Compressor

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



BLDC Fan

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



Stator

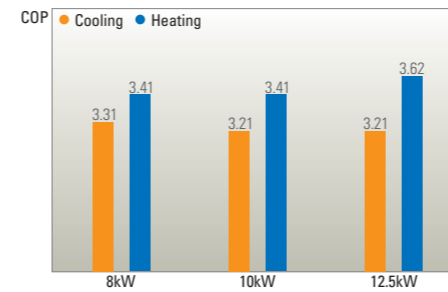


Rotor



Top Class COP

- DC Inverter Compressor
- BLDC Fan Motor



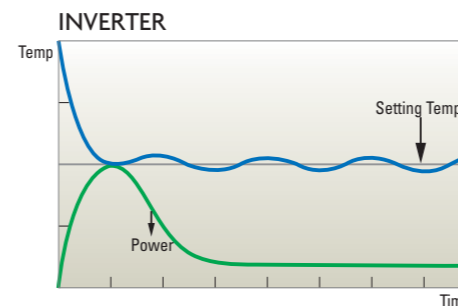
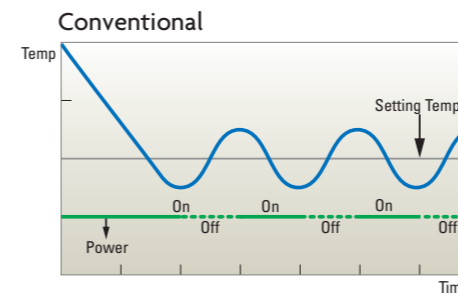
*Testing Combinations

Indoor	UT24	UT36	UT42
Outdoor	UU24W	UU36W	UU42W

Comfortable with Fast Cooling & Heating Performance

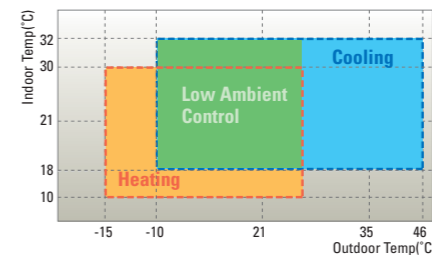
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly.

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



Wide Operating Range

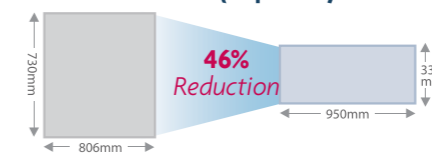
When cooling computer rooms and other rooms in the event of low outdoor temperatures, the BLDC inverter compressor and outdoor BLDC fan motor are used to adjust the air flow and volume, with a view to ensuring efficient operation by allowing the air conditioner to keep operating at -10°C without turning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



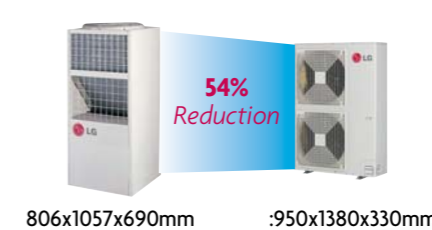
Slim & Compact Size

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

Foot Print Area (Top View)



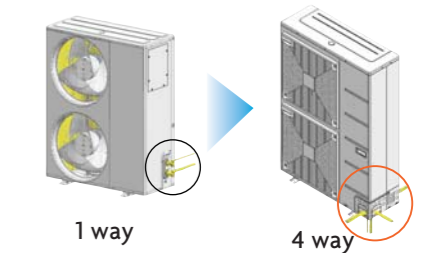
Volume



Easy to Service

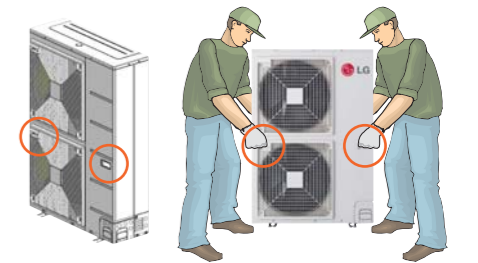
1 Inner SVC valve

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



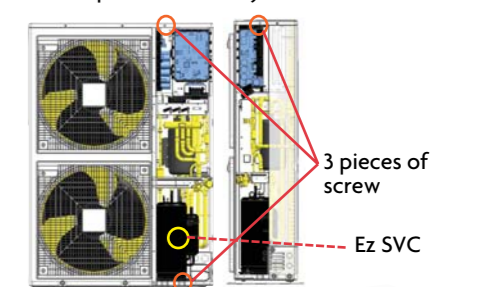
2 Convenient moving handle

Fitted hand grips for easy transportation and installation.



3 Compact Design & Ez SVC

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





Ceiling Cassette

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



Ceiling Cassette Type



New Ceiling Cassette (UT24~UT60 models)



4 Vane Independent Operation

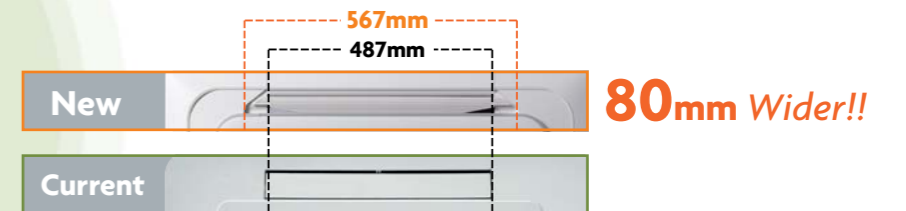
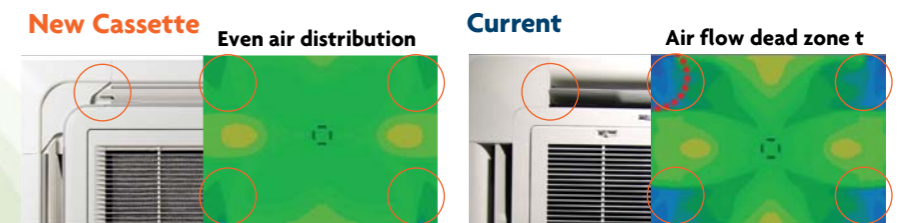
Vane angle control satisfies both users who like direct wind or indirect wind. And also it prevents cold air draft.

- This function can be controlled with new wired remote controller



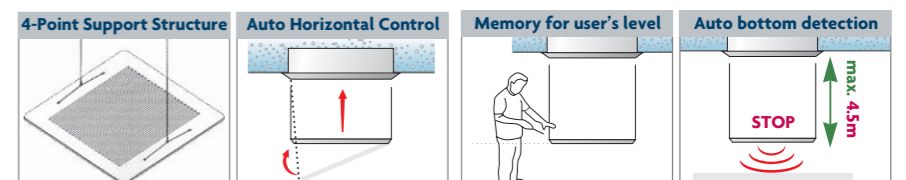
Wide Jet Air Flow

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



Elevation Grille (Accessory : PTEGMO)

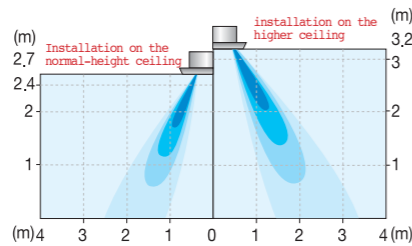
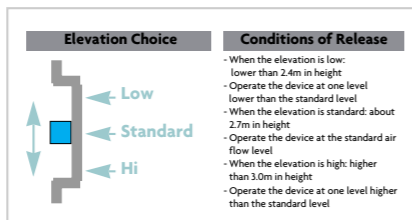
- Easy filter cleaning with elevation grille
- Installed inside main body
- Auto horizontal level
- 4 points support
- Memory for user's level
- Max. 4.5m length





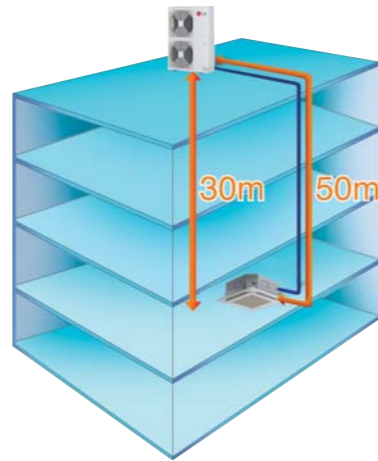
Function to Control the Air Volume by Ceiling Height

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



Long Distance, High Elevation Piping

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



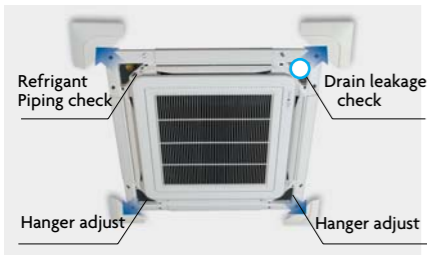
Compact Size

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



Convenient Installation

Easy installation with corner detachable decoration panel.



One touch type Panel

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



Two Thermistor Control

There may be a significant difference between the temperature taken at the installed product and indoor temperature. Two thermistor control provides option to control temperature by referring any of the two temperatures. With the help of the slide switch at the back of the LCD wired remote controller, selection of the desired thermistor for controlling the unit can be done. One thermistor is in the Indoor unit & the other one is in the LCD wired remote.

Weekly Program

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

LCD Wired Remote Controller

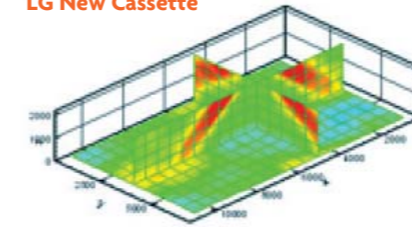
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thickness



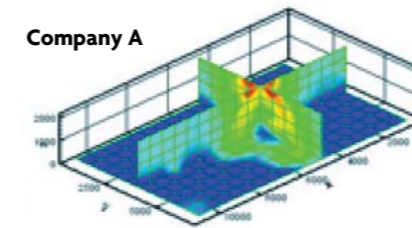
Swirl Swing

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

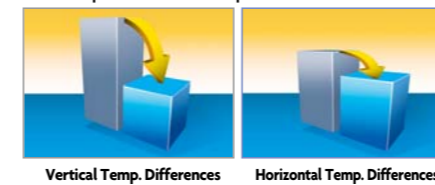
LG New Cassette



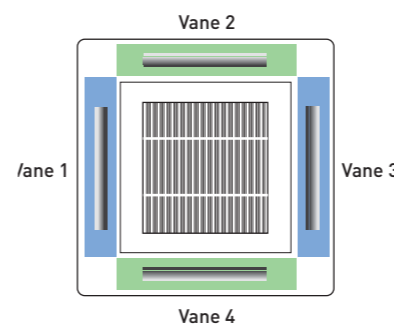
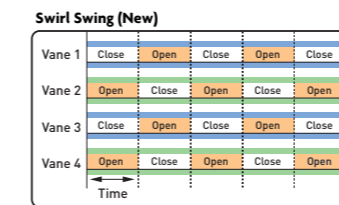
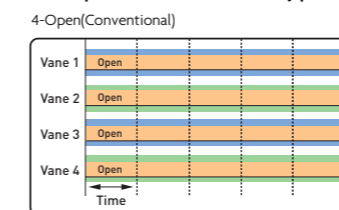
Company A



• Comparison of temperatures



• Comparison of Air Flow Types (UT12-18)



Group Control

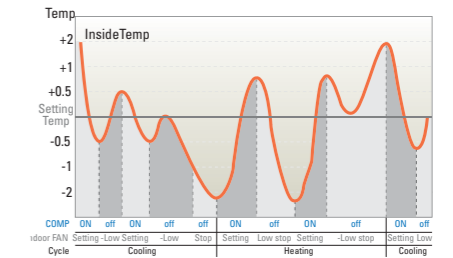
- 1) Operation Summary
 - Where several products are linked, one specific control device can control a specific number of products.
- 2) Specific Operation
 - Connecting line is linked to each of the indoor equipments for communication. A specific control device is connected to each of them and this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



Auto Changeover

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

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



Cassette Cover (Accessory: PTDCM)

Maintains the ceiling elegance.



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



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



UT12, UT18



UT24 - UT60

Indoor Unit

			UT12 NEC	UT18 NEC	UT24 NPD	UT30 NPD	UT36 NND	UT48 NMD	UT60 NMD
		F/Panel	PT-HECI	PT-HECI	PT-UMC	PT-UMC	PT-UMC	PT-UMC	PT-UMC
Nominal Capacity (Rated)	Cooling	Btu/h	12,000	18,000	23,885	27,300	34,100	46,700	48,800
		kw	3.52	5.28	7.0	8.00	10.0	13.70	14.30
	Heating	Btu/h	13,200	19,800	25,591	30,700	37,500	51,200	58,000
		kw	3.87	5.8	7.5	9.00	11.0	15.00	17.00
Nominal Input (Rated)	Cooling	kw	1.35	2.02	2.49	3.62	3.80	5.40	5.90
	Heating	kw	1.37	2.06	2.60	3.60	3.40	5.00	5.80
Running Current	Cooling / Heating	A	0.35	0.43	0.6	0.6	0.6	0.72	0.72
Power Supply		Ø/V/Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
EER	Cooling	kw/kw	2.61	2.61	2.81	2.21	2.63	2.54	2.42
COP	Heating	kw/kw	2.82	2.82	2.88	2.50	3.24	3.00	2.93
Operational Temperature Range(Indoor)	Cooling	°C	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43
	Heating	°C	-10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24
Air Flow Rate (H/M/L)		CMM	9.5 / 8 / 7	13 / 12 / 11	17 / 15 / 13	19 / 17 / 15	24 / 22 / 19	34 / 32 / 30	34 / 32 / 30
		CFM	336 / 283 / 247	459 / 422 / 388	582 / 519 / 459	671 / 600 / 530	847 / 759 / 671	1200 / 1130 / 1059	1200 / 1130 / 1059
Sound Level (H/M/L)		dB(A)±3	38 / 35 / 32	41 / 39 / 37	39 / 37 / 34	43 / 40 / 37	43 / 40 / 37	49 / 47 / 43	49 / 47 / 43
Dehumidification Rate		l/h	1.2	2.4	2.1	2.5	2.7	4.4	5.5
Dimensions (WxHxD)	Body	mm(inch)	570*269*570(22.4*10.5*22.4)	570*269*570(22.4*10.5*22.4)	840*204*840(33.1*8.0*33.1)	840*204*840(33.1*8.0*33.1)	840*246*840(33.1*9.7*33.1)	840*288*840(33.1*11.3*33.1)	840*288*840(33.1*11.3*33.1)
	Decorative Panel	mm	670*306*670(26.4*12.2*26.4)	670*306*670(26.4*12.2*26.4)	950*259*950(37.4*10.3*37.4)	950*259*950(37.4*10.3*37.4)	950*259*950(37.4*10.3*37.4)	950*259*950(37.4*10.3*37.4)	950*259*950(37.4*10.3*37.4)
Weight	Body	kg(lbs)	19(41.9)	19(41.9)	21(46.3)	21(46.3)	23.5(51.8)	26(57.3)	26(57.3)
	Decorative Panel	kg(lbs)	3(6.6)	3(6.6)	5(11.0)	5(11.0)	5(11.0)	5(11.0)	5(11.0)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)

Outdoor Unit

			UU12 ULC	UU18 UEC	UU24 UED	UU30 UED	UU37 UED	UU48 U3D	UU60 U3D
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant Charge	Charge	g(oz)	1200(42.4)	1300(45.90)	1950(68.9)	1870(66.0)	2450(86.4)	3300(116.4)	3500(123.4)
	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,Im	dB(A)±3	47	52	52	53	55	55	
Dimensions	W*H*D	mm(inch)	770*540*245 (30.3*21.3*9.6)	870*655*320(34.3*25.8*12.6)	870*808*320(34.3*31.8*12.6)	870*808*320(34.3*31.8*12.6)	870*1060*320(34.2*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	31(68.3)	52(114.6)	60(132.2)	64(141)	85(187)	105(231)	105(231)
	Piping connection	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	
Power Supply Cable(Includes earth)	No.*mm ²		3x2.5	3x2.5	3x2.5	3x2.5	3x2.5	3x2.5	
Interunit Cable(Includes earth)	No.*mm ²		4x0.75	4x0.75	4x0.75	4x0.75	4x0.75	4x0.75	
Max. Piping Length/Elevation	m		15/10	50/30	40/30	50/30	50/30	50/30	
Power Supply	Ø.V, Hz		1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	3,380-415,50	3,380-415,50	
Running Current	Cooling/Heating	A	6.2/6.3	8.6/9.4	11.4/12.6	17.2/16.3	7.5/7.7	6.5/6.4	
Air Circulation	CMM(CFM)		26(918)	53(1872)	53(1872)	53(1872)	32(1130)*2	55(1942)*2	
Additional Refrigerant Charge (Over 7.5m)	g/m		20	35	45	45	45	50	

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



UU12

UU18

UU24 / UU30

UU37

UU48 / UU60

UT12 / UT18



Indoor Unit

			UT12 NEC	UT18 NEC
		F/Panel	PT-HECI	PT-HECI
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h	4,800-12,000-13,200	7,200-18,000-19,800
		kw	1.40-3.52-3.87	2.11-5.28-5.81
	Heating	Btu/h	5,520-13,800-15,180	8,520-13,800-15,180
		kw	1.62-4.04-4.44	2.38-5.95-6.54
Nominal Input (Rating)	Cooling	kw	1.25	1.64
	Heating	kw	1.26	1.85
Running Current	Cooling / Heating	A	0.35	0.35
Power Supply	Ø/V/Hz		1 / 220 - 240 / 50	1 / 220 - 240 / 50
EER		kw/kw	2.82	3.22
COP		kw/kw	3.21	3.22
Operational Temperature Range(Indoor)	Cooling	°C	-10 - 46	-10 - 46
	Heating	°C	-15 - 24	-15 - 24
Air Flow Rate (H/M/L)		CMM	9.5 / 8 / 7	13 / 12 / 11
		CFM	336 / 283 / 247	459 / 422 / 388
Sound Level (H/M/L)		dB(A)±3	38 / 35 / 32	41 / 39 / 37
Dehumidification Rate		l/h	1.2	2.4
Dimensions (WxHxD)	Body	mm(inch)	570*269*570(22.4*10.5*22.4)	570*269*570(22.4*10.5*22.4)
	Decorative Panel	mm	670*306*670(26.4*12.2*26.4)	670*306*670(26.4*12.2*26.4)
Weight	Body	kg(lbs)	19(41.9)	19(41.9)
	Decorative Panel	kg(lbs)	3(6.6)	3(6.6)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)

Outdoor Unit

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

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



UU12W / UU18W

UT24 / UT30 / UT36
UT42 / UT48 / UT60



Indoor Unit

		F/Panel	UT24 NPD PT-UMC	UT30 NPD PT-UMC	UT36 NND PT-UMC	UT42 NMD PT-UMC	UT48 NMD PT-UMC	UT60 NMD PT-UMC
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h	9,680-24,200-26,620	10,920-27,300-30,030	13,640-34,100-13,200	17,060-42,650-46,915	18,700-46,750-51,425	20,200-50,500-55,550
		kw	2.84-7.1-7.81	3.2-8.0-8.8	4.0-10.0-11.0	5.0-12.5-13.8	5.48-13.7-15.7	5.92-14.8-16.3
	Heating	Btu/h	10,920-27,300-30,300	12,280-30,700-33,770	15,000-37,500-41,250	19,108-47,770-52,547	21,840-54,600-60,060	23,200-58,000-63,800
		kw	3.2-8.0-8.8	3.6-9.0-9.9	4.4-11.0-12.1	5.0-14.0-15.4	6.4-16.0-17.6	6.8-17.0-18.7
Nominal Input (Rating)	Cooling	kw	2.15	2.65	3.12	3.90	4.55	5.60
	Heating	kw	2.34	2.80	3.23	3.88	4.68	5.30
Running Current	Cooling / Heating	A	0.6	0.6	0.6	0.72	0.72	0.72
Power Supply		Ø/V/Hz	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50
EER		kw/kw	3.30	3.02	3.21	3.21	3.01	2.64
COP		kw/kw	3.42	3.21	3.41	3.61	3.42	3.21
Operational Temperature Range(Indoor)	Cooling	°C	-10 - 46	-10 - 46	-10 - 43	-10 - 43	-10 - 43	-10 - 43
	Heating	°C	-15 - 24	-15 - 24	-15 - 24	-15 - 24	-15 - 24	-15 - 24
Air Flow Rate (H/M/L)		CMM	17/15/13	19 / 17 / 15	24 / 22 / 19	30 / 28 / 26	34 / 32 / 30	34 / 32 / 30
		CFM	582/519/459	671 / 600 / 530	847 / 759 / 671	1059 / 989 / 919	1200 / 1130 / 1059	1200 / 1130 / 1059
Sound Level (H/M/L)		dB(A)±3	39/37/34	43/40/37	43/40/37	46/44/40	49 / 47 / 43	49 / 47 / 43
Dehumidification Rate		l/h	2.1	2.5	2.7	3.6	4.4	5.5
Dimensions (WxHxD)	Body	mm(inch)	840*204*840(33.1*8.0*33.1)	840*204*840(33.1*8.0*33.1)	840*246*840(33.1*9.7*33.1)	840*288*840(33.1*11.3*33.1)	840*288*840(33.1*11.3*33.1)	840*288*840(33.1*11.3*33.1)
	Decorative Panel	mm	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)
Weight	Body	kg(lbs)	2(4.63)	2(4.63)	23(51.8)	26(57.3)	26(57.3)	26(57.3)
	Decorative Panel	kg(lbs)	5(11.0)	5(11.0)	5(11.0)	5(11.0)	5(11.0)	5(11.0)
Piping Connections	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)

Outdoor Unit

		UU24W UED	UU30W UED	UU36W UED	UU42W U3D	UU48W U3D	UU60W U3D
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g(oz)	2000(70.6)	2600(88.2)	3600(127)	3600(127)	3600(127)
	Type		R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	52/46	52/46	56/52	55/51	55/51
Dimensions	W*H*D	mm(inch)	870*808*320(34.3*31.8*12.6)	870*1060*320(34.3*41.7*12.6)	870*1060*320(34.3*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	60(132)	60(132)	75(165.3)	103(227)	103(227)
Piping connection	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)		No.*mm ²	3 x 2.5	3 x 2.5	3 x 3.5	3 x 3.5	3 x 3.5
Interunit Cable(Includes earth)		No.*mm ²	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	50/30	50/30	50/30	75/30	75/30
Power Supply		ø,V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Running Current	Cooling/Heating	A	10.0/10.7	12.0/13.0	14.0/14.2	17.7/16.7	20.5/20.5
Air Circulation		CMM(CFM)	58(2048)	58(2048)	32(1130) x 2	55(1942) x 2	55(1942) x 2
Additional Refrigerant Charge (Over 7.5m)		g/m	35	35	50	40	40

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



UT36 / UT42
UT48 / UT60



Indoor Unit

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

Outdoor Unit

		UU37W UED	UU43W U3D	UU49W U3D	UU61W U3D
Compressor	Type	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g(oz)	2500(88)	3600(127)	3600(127)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	54/50	55/51	55/51
Dimensions	W*H*D	mm(inch)	870*1060*320(34.3*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	80(176)	103(227)	103(227)
Piping connection	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)		No.*mm ²	3 x 2.5	3 x 2.5	3 x 2.5
Interunit Cable(Includes earth)		No.*mm ²	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	50/30	75/30	75/30
Power Supply		ø,V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Running Current	Cooling/Heating	A	5.3/4.3	4.09/4.28	4.98/5.23
Air Circulation		CMM(CFM)	32(1130) x 2	55(1942) x 2	55(1942) x 2
Additional Refrigerant Charge (Over 7.5m)		g/m	45	40	40

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





Ceiling Concealed Duct

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



Ceiling Concealed Duct Type



Quiet Operation & Easy Service

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



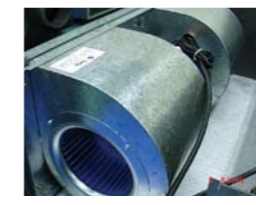
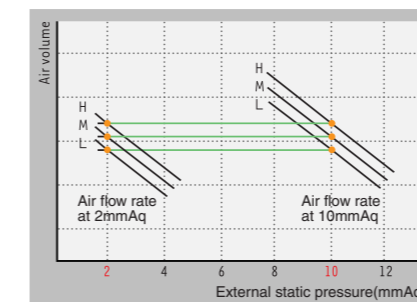
E.S.P: External Static Pressure

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

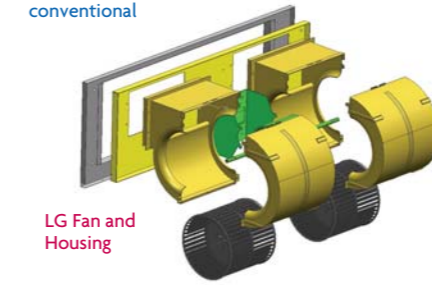
- Optimize Duct work Installation
- Keep Capacity & Sound level as desired
- Simplify model numbers

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

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



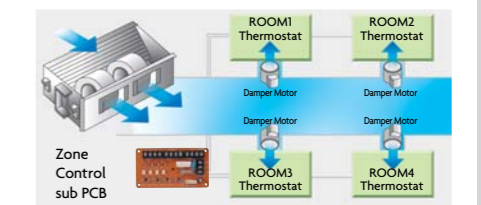
conventional



LG Fan and Housing

Zone Controller

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



ABZCA

Weekly Program

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

LCD Wired Remote Controller

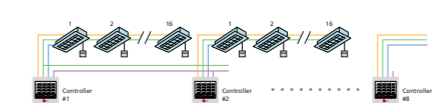
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick



Central Controller

Operation Summary

LG units come with advanced control options, take for instance the Central Controller. Designed for the commercial application, where multiple Air Conditioning units have been installed. You can control or fault find up to 16-2048 Air Conditioning units (via 8 separate controllers) individually or all together.

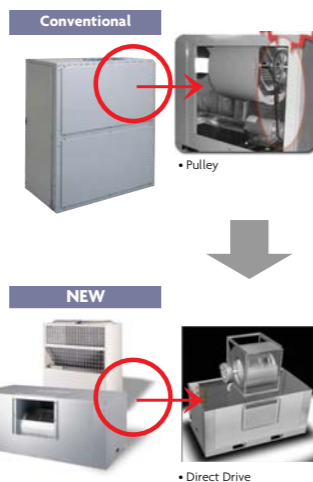




LARGE CAPACITY TYPE (BIG DUCT)

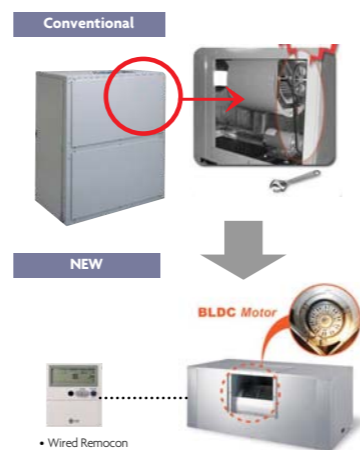
Less Noise

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



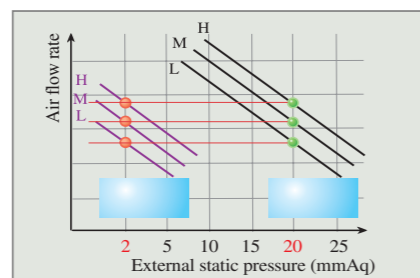
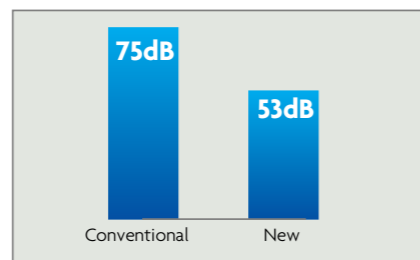
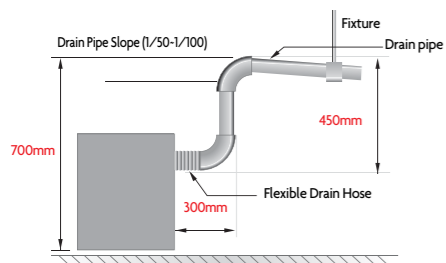
Convenience in Installation (ESP control facilitated)

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



High Head Drain Pump

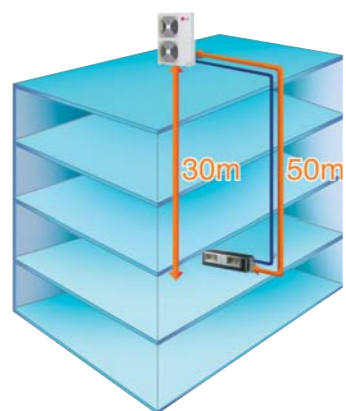
Auxiliary Drain Pump automatically drains water. A standard drain-head height of up to 700mm is possible, creating the ideal solution for perfect water drainage.



- An invertible fan motor has been installed.
- The air volume can be controlled by the wired remote controller (0-20mmAq)

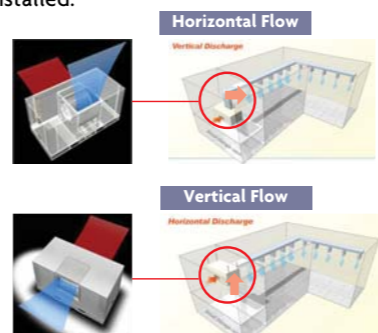
Long Distance, High Elevation Piping

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



Convenience in Installation (convertible flow)

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



High Efficiency

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



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

UB18 / UB24 / UB30 UB36 / UB48 / UB60



Ceiling Concealed Duct



Indoor Unit

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

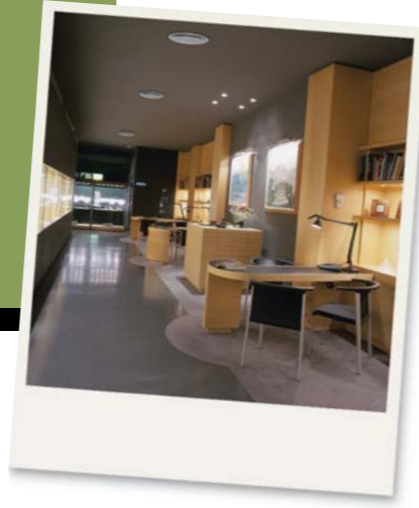
Outdoor Unit

		UU18 UEC	UU24 UED	UU30 UED	UU37 UED	UU48 U3D	UU60 U3D
Compressor	Type	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant Charge	Charge	g(oz) 1300(45.90)	1950(68.9)	1870(66.0)	2450(86.4)	3300(116.4)	3500(123.4)
	Type	R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press.1m	dB(A)±3 52	52	53	52	55	55
Dimensions	W*H*D	mm(inch) 870*655*320(34.3*25.8*12.6)	870*808*320(34.3*31.8*12.6)	870*808*320(34.3*31.8*12.6)	870*1060*320(42.1*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs) 52(114.6)	60(132.2)	64(141)	85(187)	105(231)	105(231)
Piping connection	Liquid	mm(inch) 6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable (Includes earth)	No.*mm ²	3x2.5	3x2.5	3x3.5	4x2.5	4x2.5	4x2.5
Interunit Cable (Includes earth)	No.*mm ²	4x0.75	4x0.75	4x0.75	4x0.75	4x0.75	4x0.75
Max. Piping Length/Elevation	m	50/30	40/30	50/30	50/30	50/30	50/30
Power Supply	e.V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	3,380-415,50	3,380-415,50	3,380-415,50
Running Current	Cooling/Heating	A 8.6/9.4	11.4/12.6	17.2/16.3	7.5/7.7	6.5/6.4	6.9/6.7
Air Circulation	CMM(CFM)	53(1872)	53(1872)	53(1872)	32(1130)*2	55(1942)*2	55(1942)*2
Additional Refrigerant Charge (Over 7.5m)	g/m	35	45	45	45	50	50

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



UB18 / UB24 / UB30
UB36 / UB48 / UB60



Indoor Unit

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

Outdoor Unit

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

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



UB36 / UB42
UB48 / UB60



Indoor Unit

		UB36 NGD	UB42 NRD	UB48 NRD	UB60 NRD
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h 13,640-34,100-37,500 kw 4.0-10.0-11.0	17,060-42,650-46,910 5.0-12.5-13.8	19,100-47,770-52,540 5.6-14.0-15.4	20,200-50,500-55,550 5.92-14.8-16.3
	Heating	Btu/h 15,280-38,200-42,020 kw 4.48-11.2-12.3	19,108-47,770-52,540 5.6-14.0-15.4	22,520-56,300-61,930 6.6-16.5-18.2	23,200-58,000-63,800 6.8-17.0-18.7
Nominal Input (Rating)	Cooling	kw 4.60	4.15	4.60	5.27
	Heating	kw 3.49	3.88	4.57	4.71
Running Current	Cooling / Heating	A 1.42	1.42	3.65	3.65
Power Supply	Ø/V/Hz	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50
EER	Cooling	kw/kw 2.85	3.01	3.04	2.81
COP	Heating	kw/kw 3.21	3.61	3.61	3.61
Operational Temperature Range(Indoor)	Cooling	°C -10 - 43	-10 - 43	-10 - 43	-10 - 43
	Heating	°C -15 - 24	-15 - 24	-15 - 24	-15 - 24
Air Flow Rate (H/M/L)	CMM	32/29/26	36/32/38	40/35/30	50/45/40
	CFM	1130/1024/918	1260/1120/980	1413/1236/1059	1766/1413/1236
Sound Level (H/M/L)	dB(A)±3	42/39/36	42/40/38	44/42/40	46/44/42
Dehumidification Rate	l/h	4.0	5.0	6.0	6.5
Dimensions (WxHxD)	Body	mm(inch) 1180*298*450(46.5*11.7*17.7)	1230*380*590(48.4*15.0*23.2)	1230*380*590(48.4*15.0*23.2)	1230*380*590(48.4*15.0*23.2)
	Weight	kg(lbs) 38(84)	60(132)	60(132)	62(137)
Piping Connections	Liquid	mm(inch) 9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
Drain(OD/ID)	mm	32/25	32/25	32/25	32/25

Outdoor Unit

		UU37W UED	UU43W U3D	UU49W U3D	UU61W U3D
Compressor	Type	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g(oz) 2500(88)	3600(127)	3600(127)	3600(127)
	Type	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3 54/50	55/51	55/51	55/51
Dimensions	W*H*D	mm(inch) 870*1060*320(34.3*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
	Net Weight	kg(lbs) 80(176)	103(227)	103(227)	103(227)
Piping connection	Liquid	mm(inch) 9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)	No.*mm²	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5
Interunit Cable(Includes earth)	No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation	m	50/30	75/30	75/30	75/30
Power Supply	Ø,V, Hz	3,380-415, 50	3,380-415, 50	3,380-415, 50	3,380-415, 50
Running Current	Cooling/Heating	A 5.3/4.3	4.09/4.28	4.98/5.23	5.91/5.79
Air Circulation	CMM(CFM)	32(1130) x 2	55(1942) x 2	55(1942) x 2	55(1942) x 2
Additional Refrigerant Charge (Over 7.5m)	g/m	45	40	40	40

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



B120AH



Indoor Unit

B120AH svo

Capacity	Cooling	Btu/h	112,000
		W	32,825
	Heating	Btu/h	130,000
		W	38,100
Input	Cooling	W	14,500
	Heating	W	12,500
Running Current	Cooling/Heating	A	24/21
Power Supply		ø.V, Hz	3,380-415,50
E.E.R	Cooling	W/W	2.26
C.O.P	Heating	W/W	3.05
Operational Temperature	Cooling	°C	-5-43
	Heating	°C	-10-24
Dehumidification Rate		l/h	10.0
External Static Pressure		mmAq	7.6 (20)
Air Flow Rate	Indoor	CMM(CFM)	105(3,780)
Net Weight	Indoor	kg(lbs)	130(287)
Noise Level(Sound Press. 1m)	Indoor	dB(A)±3	53
Dimensions (W*H*D)		mm	1,600x720x800
Net Weight		kg(lbs)	130(287)
Refrigerant Charge		g(oz), type	8,000(282.2), R410A
Compressor		Type	Scroll
Outdoor Fan	Discharge	Side/Top	Top Discharge
Noise Level (Sound Press. 1m)	Outdoor	dB(A)±3	65
Pipe Connection	Liquid	inch(mm)	5/8(15.88)
	Gas	inch(mm)	1 (28.58)
Dimensions (W*H*D)	Outdoor	inch(mm)	50.4x59.8x28.7(1,280x1,520x730)
Net Weight	Outdoor	kg(lbs)	300(661)
Power Supply Cable		No.*mm ²	5*5.5
Interunit Cable		No.*mm ²	6*1.25
Max length/Elevation		m	50/30

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LW120

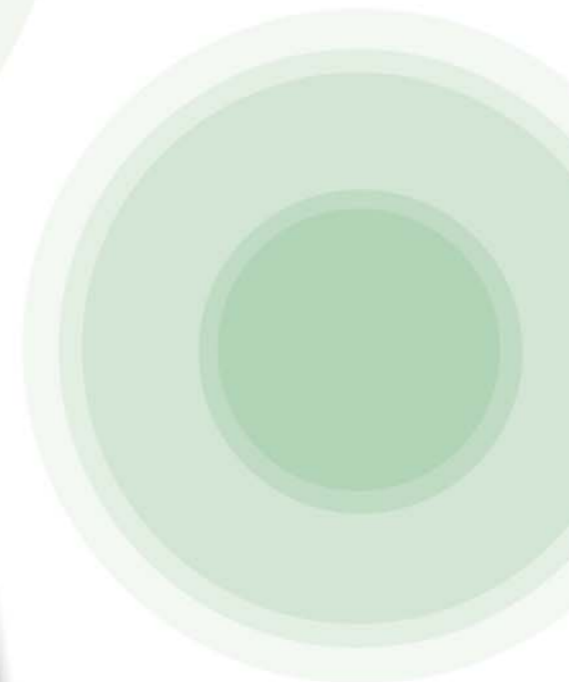
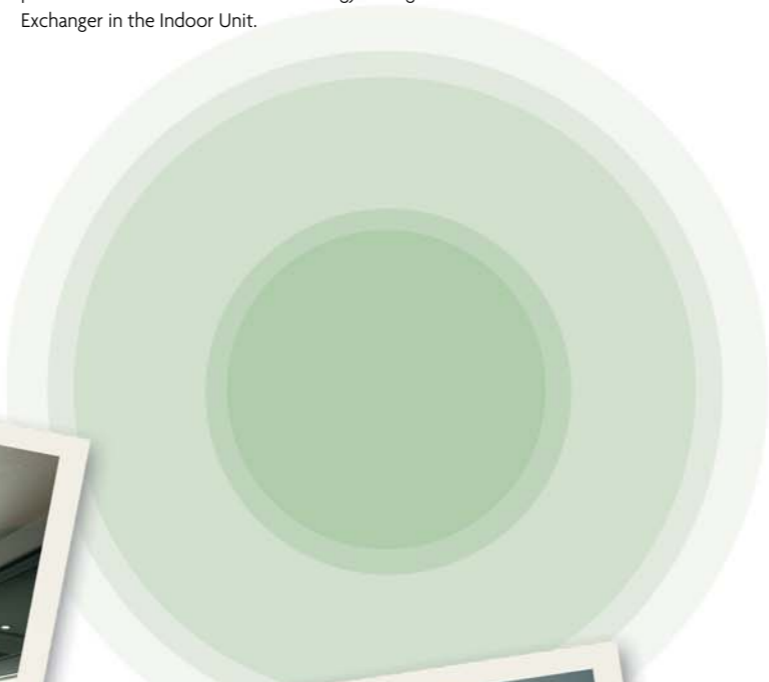


Ceiling & Floor Ceiling Suspended

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



Ceiling & Floor Type



Compact Size



•1350x650x220(36K)



•1750x650x220(48/60K)

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

Upgraded Function



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



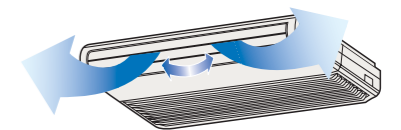
Gold Fin™ Anti Corrosion

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

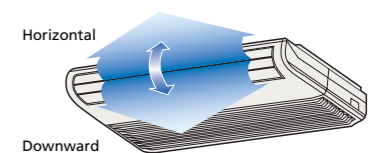


Airflow Direction Control

Horizontal Airflow Direction Control.
Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.



Vertical Airflow Direction Control
The airflow direction can be adjusted as desired by using the remote controller.



**UV12 / UV18
UV24 / UV30**



Indoor Unit

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

* Autochangeover operation is not available in UV12 NEC.

Outdoor Unit

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

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UV36 / UV48 / UV60



Indoor Unit

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

Outdoor Unit

		UU37 uED		UU48 u3D		UU60 u3D	
Compressor	Type	Scroll		Scroll		Scroll	
Refrigerant Charge	Charge*	g(oz)		2450(86.4)		3300(116.4)	
	Type	R410A		R410A		R410A	
Fan	Discharge	Side/Top		Side Discharge		Side Discharge	
Noise Level(H/L)	Sound Press.1m	dB(A)±3		52		55	
Dimensions	W*H*D	mm (inch)		870*1060*320 (34.2*41.7*12.6)		950*1380*330(37.4*54.3*13.0)	
Net Weight	Outdoor	kg(lbs)		85(187)		105(231)	
Piping connections	Liquid	mm (inch)		9.52 (3/8)		9.52 (3/8)	
	Gas	mm (inch)		15.88 (5/8)		15.88 (5/8)	
Power Supply Cable(Includes earth)	No.*mm ²	4x2.5		4x2.5		4x2.5	
Interunit Cable(Includes earth)	No.*mm ²	4x0.75		4x0.75		4x0.75	
Max. Piping Length/Elevation	m	50/30		50/30		50/30	
Power Supply	Ø,V,Hz	3,380-415,50		3,380-415,50		3,380-415,50	
Running Current	Cooling/Heating	A		7.5/7.7		6.9/6.7	
Air Circulation		CMM(CFM)		32(1130)*2		55(1942)*2	
Additional Refrigerant Charge (Over 7.5m)	g/m	45		50		50	

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



UV12 / UV18
UV24 / UV30



Indoor Unit

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

* Autochangeover operation is not available in UV12 nec.

Outdoor Unit

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

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UV36 / UV42
UV48 / UV60



Indoor Unit

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

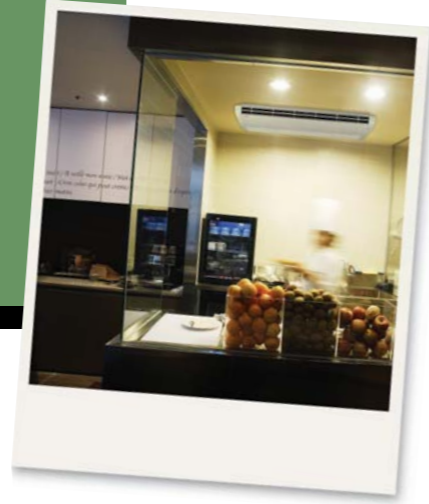
Outdoor Unit

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

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UV36 / UV42
UV48 / UV60



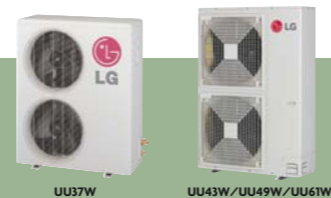
Indoor Unit

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

Outdoor Unit

		UU37W UED	UU43W U3D	UU49W U3D	UU61W U3D	
Compressor	Type	Rotary	Rotary	Rotary	Rotary	
Refrigerant Charge	Charge	g(oz)	2500(88)	3600(127)	3600(127)	
	Type		R410A	R410A	R410A	
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	
Noise Level(H/L)	Sound Press,1m	dB(A)±3	54/50	55/51	55/51	
Dimensions	W*H*D	mm(inch)	870*1060*320 (34.3*41.7*12.6)	950*1380*330 (37.4*54.3*13.0)	950*1380*330 (37.4*54.3*13.0)	950*1380*330 (37.4*54.3*13.0)
	Outdoor	kg(lbs)	80(176)	103(227)	103(227)	103(227)
Net Weight	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)		No.*mm ²	3 x 2.5	3 x 3.5	3 x 3.5	
Interunit Cable(Includes earth)		No.*mm ²	4 x 0.75	4 x 0.75	4 x 0.75	
Max. Piping Length/Elevation		m	50/30	75/30	75/30	
Power Supply		ø,V, Hz	3,380-415, 50	3,380-415, 50	3,380-415, 50	
Running Current	Cooling/Heating	A	5.3/4.3	4.09/4.28	4.98/5.23	
Air Circulation		CMM(CFM)	32(1130) X 2	55(1942) X 2	55(1942) X 2	
Additional Refrigerant Charge (Over 7.5m)		g/m	45	40	40	

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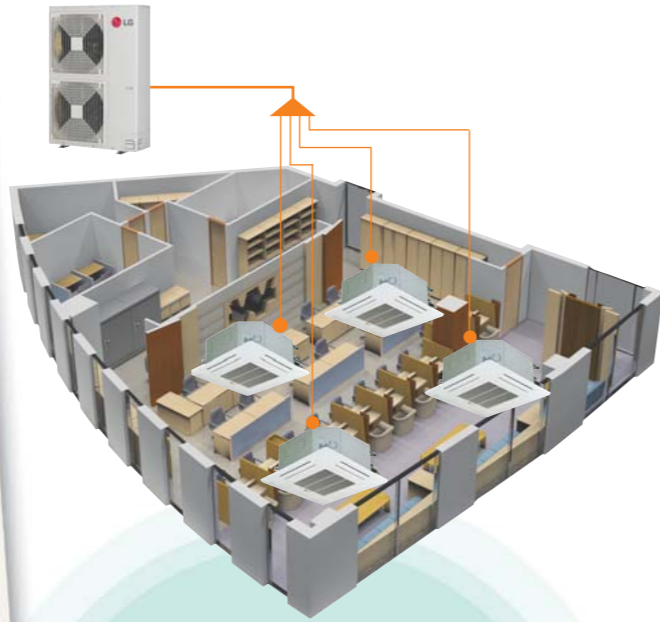
V09AH



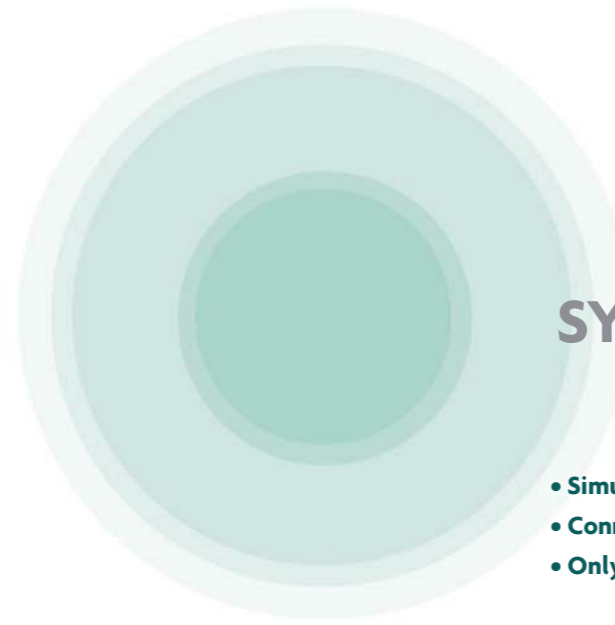
		V09AH seo
Capacity	Cooling	Btu/h 9,600
		W 2,813
Heating	Btu/h	10,150
	W	2,975
Input	Cooling	W 875
	Heating	W 815
Running Current	Cooling/Heating	A 4.0/3.6
Power Supply		ø,V, Hz 1,220-240,50
E.E.R	Cooling	W/W 3.21
C.O.P	Heating	W/W 3.65
Operational Temperature Range(Outdoor)	Cooling	°C -5-43
	Heating	°C -10-24
Air Flow Rate	H/M/L	CMM(CFM) 7.5/6.5/5.0(265/230/177)
Noise Level (Sound Press, 1m)	H/M/L	dB(A)±3 36/32/28
Dehumidification Rate		l/h 1.0
Dimensions (WxHxD)	Indoor	inch(mm) 35.4x7.9x19.3(900x200x490)
Net Weight		kg(lbs) 12(26.5)
Compressor	Type	Rotary
Refrigerant Charge	Charge	g(oz) 760(26.8)
	Type	R410A
Fan	Discharge	Side/Top Side Discharge
Noise Level (H/L)	Sound Press, 1m	dB(A)±3 47
Pipe Connection	Liquid	inch(mm) 1/4 (6.35)
	Gas	inch(mm) 1/2 (12.7)
Dimensions (WxHxD)	Outdoor	inch(mm) 20.7x20.7x10.2 (525x525x260)
Net Weight	Outdoor	kg(lbs) 25(55.1)
Power Supply Cable(Includes earth)		No.*mm ² 3*1.0
Interunit Cable(Includes earth)		No.*mm ² 2*1.0+3*0.75
Max. Piping Length/Elevation		m 15/8

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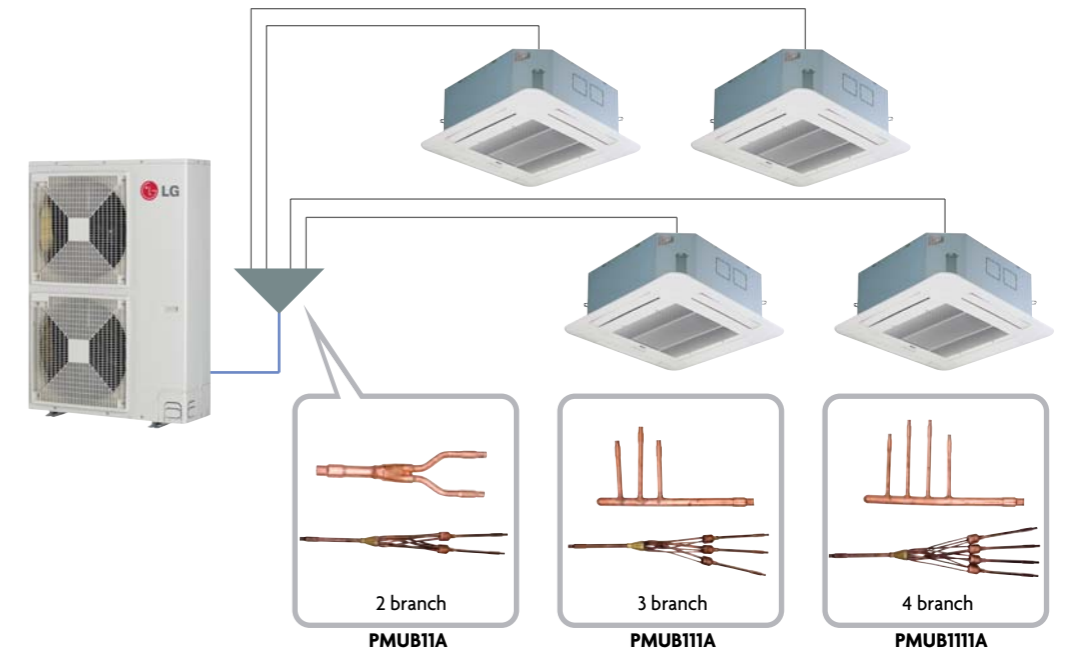


Synchro Type



SYNCHRO

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



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



Synchro Outdoor

UU42W / UU48W / UU60W



Outdoor Unit

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

Indoor Unit

		UT12/UT18/UV18/UB18 N°C	UT24/UT30/UV24/UV30/UB24/UB30 N*D
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h	Btu/h
	Heating	W	W
Nominal Input (Min-Rating-Max)	Cooling	W	W
	Heating	W	W
E.E.R		W/W	W/W
C.O.P		W/W	W/W
Operational Temperature Range(Outdoor)	Cooling	°C	-10 - 43
	Heating	°C	-15 - 24

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



Synchro Outdoor

UU43W / UU49W / UU61W



Outdoor Unit

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

Indoor Unit

		UT12/UT18/UV18/UB18 N°C	UT24/UT30/UV24/UV30/UB24/UB30 N*D
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h	Btu/h
	Heating	W	W
Nominal Input (Min-Rating-Max)	Cooling	W	W
	Heating	W	W
E.E.R		W/W	W/W
C.O.P		W/W	W/W
Operational Temperature Range(Outdoor)	Cooling	°C	-10-43
	Heating	°C	-15-24

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



		Possible combination of indoor units								
		Installation scene								
		Duo			Trio			Quartet		
IDU : INDOOR UNIT ODU : OUT DOOR INUT BD : BRANCH DISTRIBUTOR UNIT REMO : WIRED REMOTE CONTROLLER										
OUTDOOR UNITS	Capacity (kW)	Cassette	Duct	Ceiling & Floor	Cassette	Duct	Ceiling & Floor	Cassette	Duct	Ceiling & Floor
UU42W U3D UU43W U3D	Cooling 12.5 Heating 14.0	UT24 NPD *2	UB24 NHD *2	UV24 NBD *2	UT18 NEC *3	UB18 NHC *3	UV18 NBC *3	UT12 NEC *4	-	-
UU48W U3D UU49W U3D	Cooling 14.0 Heating 16.0	UT24 NPD *2	UB24 NHD *2	UV24 NBD *2	UT18 NEC *3	UB18 NHC *3	UV18 NBC *3	UT12 NEC *4	-	-
UU60W U3D UU61W U3D	Cooling 15.0 Heating 17.0	UT30 NPD *2	UB30 NGD *2	UV30 NBD *2	UT18 NEC *3	UB18 NHC *3	UV18 NBC *3	UT12 NEC *4	-	-
Applied Accessories	Wired remote controller*	PVRCUSZ0			PVRCUSZ0			PVRCUSZ0		
	BD unit	PMUB11A			PMUB111A			PMUB1111A		
	Simple central controller**	PQCSB101S0								
	Function controller**	PQCSC101S0								

* When install ceiling and floor type synchro combinations, You must use wired remote controller " PVRCUSZ0"
 * In case of cassette or duct type synchro combinations, You can use only one wired remote controller included in the indoor units.
 ** When using synchro operation,
 - Do not use wireless remote controller.
 - Use only one wired remote controller in the indoor units.
 - Use central controller and function controller "PQCSB101S0 & PQCSC101S0" only.



Installation Information

1. Piping Connections

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

2. Power Supply

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

3. Additional Refrigerant Charge

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

4. Drain Pipe

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

*OD: Out Diameter / ID: In Diameter

Measurement Conditions

1. Capacities are based on the following conditions:
- Cooling: - Indoor Temperature 27°C DB / 19°C WB
 - Outdoor Temperature 35°C DB / 24°C WB
 - Heating: - Indoor Temperature 20°C DB / 15°C WB
 - Outdoor Temperature 7°C DB / 6°C WB
 - Piping Length 7.5 m
 - Level Difference Zero.
 - No optional accessories (i.e. Plasma kit, elevation grille etc.)
 - With maximum air volume.

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

Branch Pipe

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



Floor Standing

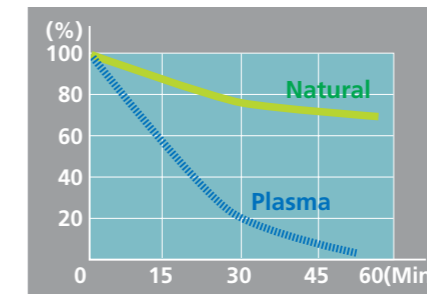
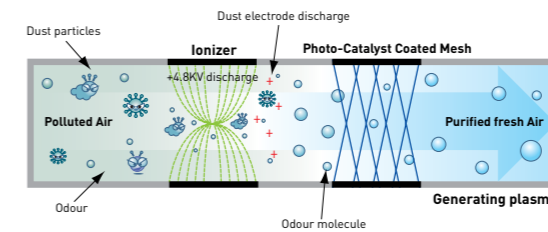
This is a floor standing type that blends in perfectly with the surrounding decoration. Clean and fresh air conditioning is ensured with a high level of cooling or heating performance and air purifying operation.



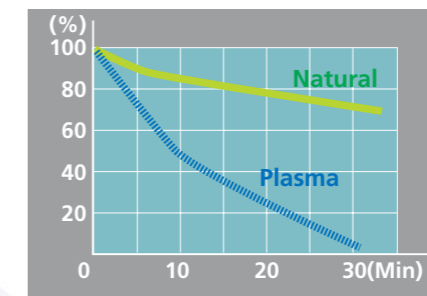
Floor Standing Type

PLASMA Air Purifying System

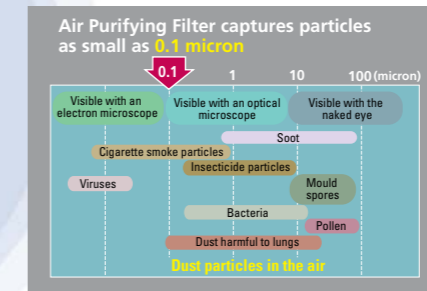
The PLASMA Air Purifying System within the air conditioner removes microscopic contaminants and dust to eliminate offensive odors and prevent allergic reactions. It can also be used as an air-purifying unit even though the air-cooling function is off.



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



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



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

Anti-Bacteria Filter

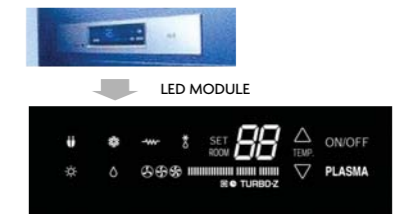
It removes dust in the air as well as bacteria proliferation, making the indoor atmosphere healthy.

4-Way Auto Swing(P03AH)

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



Touch Screen Panel



Child Lock Function

This function prevents children or others from tampering with the control buttons on the unit. It is then controlled by the remote controller.
-All the buttons on indoor display panel will be blocked.
-The unit will be controlled only by remote controller.

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.



P03AH / P05AH



		P03AH SRI		P05AH STO	
Capacity	Cooling	Btu/h	27,800	46,000	
		W	8,140	13,480	
	Heating	Btu/h	27,800	48,000	
		W	8,140	14,060	
Input	Cooling	W	2800	5300	
	Heating	W	2800	5000	
E.E.R	Cooling	W/W	2.910	2.540	
C.O.P	Heating	W/W	2.910	2.810	
Running Current	Cooling	A	13	9.5	
	Heating	A	13	9	
Power Supply		e.V, Hz	1,220-240,50	3,380-415,60	
Electric Heater		W	2,000	4,000	
Operational Temperature Range(Outdoor)	Cooling	°C	-5 - +46	-5 - +46	
	Heating	°C	-10 - +24	-15 - +24	
Air Flow Rate	H/M/L	CMM(CFM)	18/16/13(636/565/459)	30/26/23(1,060/918/812)	
Noise Level(Sound Press. 1m)	H/M/L	dB(A)ft13	48/46/40	53/51/48	
Dehumidification Rate		l/h	33	6.0	
Dimensions (W*H*D)	Indoor	inch(mm)	22.4*71.7*12.5(570*1820*317)	23.2*72.8*17.3(590*1850*440)	
Net Weight	Indoor	kg(lbs)	33(73)	60(132)	
Refrigerant Charge	Charge	g(oz)	2200(77.6) at 7.5m ²	2900(102.3) at 7.5m ²	
	Type		R410A	R410A	
Noise Level(Sound Press. 1m)	Outdoor	dB(A)±3	58	58	
Dimensions (Outdoor)	W*H*D	inch(mm)	34.25*25.79*12.6 (870*655*370)	30.3*21.3*10 (770*540*245)	
Net Weight	Outdoor	kg(lbs)	63(139)	90(198)	
Pipe Connection	Liquid	inch(mm)	3/8 (9.52)	3/8 (9.52)	
	Gas	inch(mm)	5/8 (15.88)	3/4 (19.05)	
Max. Piping Length/Elevation		m	30/20	40/25	

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P08AH



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

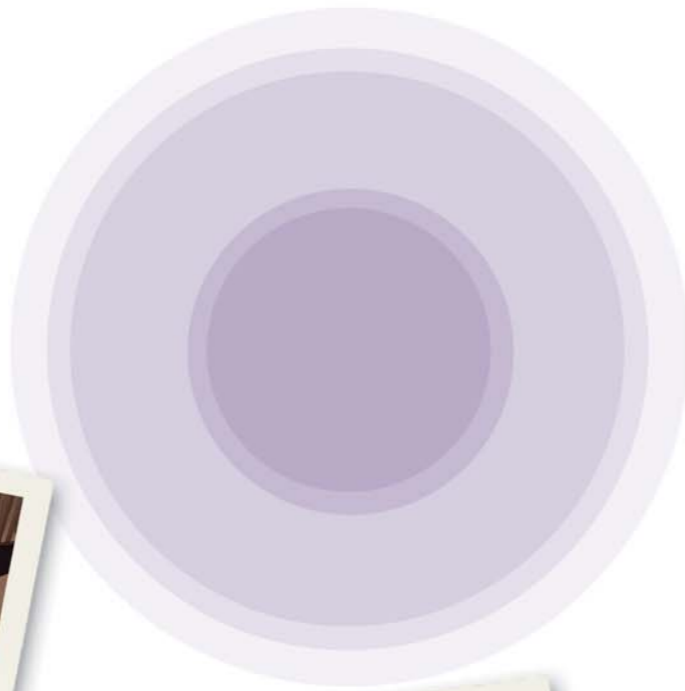
Note : Due to our policy of innovation some specifications may be changed without notification.





Rooftop

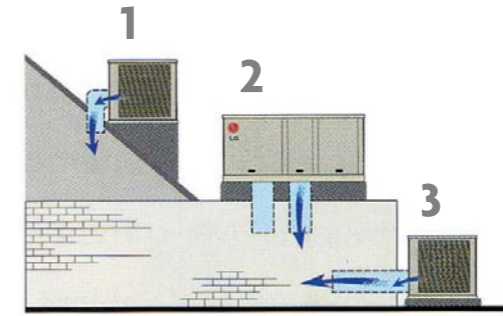
This is an economical and user-friendly product suitable for premium sized houses and shops. It features various functions including Auto Restart, Washable Anti-bacteria Filter, etc.



Rooftop Type

Typical Installation

1. Roof Jack Installation
2. Roof Curb Installation
3. Slab on Ground Installation



Easy Installation

The unit can be installed to save valuable indoor space or where no ceiling space is available. Install the unit on the ground or on the roof. This means that the installation is totally flexible depending on your requirements.



Free Easy Air-Circulation

You can freely control air-circulation with the duct system.

Low Noise Operation

As the unit is located outdoors, the noise is not transmitted to the conditioned area..

Easy Maintenance & Service

Since the unit has not been split into two, maintenance is easy, especially because all access panels are on the same side of the same side of the unit and all wiring inside has been colour coded.

Additional functions available with duct system

All units come standard in Reverse Cycle, however electric heating can be added (Electric Heating provided by Specialist Dealers). You have complete control over the fresh air input, amount of air purification and zone controls (extras provided by Specialist Dealers), all using the powerful LG control system.



R120AH



R120AH
AK-H1208C00

		R120AH AK-H1208C00		
Capacity	Cooling	Btu/h	112,000	
		W	32,824	
	Heating	Btu/h	112,000	
		W	26,962	
Electrical Data	Power Supply	V, φ, Hz	380-415, 3, 50	
	M.C.A (with standard motor)	Cooling	Amps	38.2
		Heating	Amps	38.2
	Power Input	Cooling	W	14,400
Heating		W	11,600	
Performance	Air Circulation	Nominal CFM	CFM	3,500
	EER	Cooling	Btu/h-W	7.78
		Heating	Btu/h-W	9.66
	Sound Rating		bell	9.2
Indoor Fan	Type		Centrifugal Blower	
	Diameter(Width)	inch	15(11)	
	Drive Type / Motor Step		Belt / 1	
	Motor rpm(Standard / oversized)		1,400 / 1,430	
Outdoor Fan	Type		Propeller	
	No. Used / Diameter(inch)		2EA / 23.6	
	Drive Type		Direct	
	CFM		6,250	
Dehumidification Rate	Motor RPM		910	
		L/h	8.1	
Refrigerant	Refrigerant Charge	kg	4.3 / Circuit	
		lbs	9.48 / Circuit	
	Type		R-410A	
Dimensions	WxHxD	inch	85 7/16 x 49 x 57 8/16	
		mm	2,170 x 1,244 x 1,460	
Net Weight		kg	450	
		lbs	992	

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

R180AH / R240AH



R180AH



R240AH

		R180AH EK-H1808C00, AK-H1808C00		R240AH EK-H2408C00, AK-H2408C00		
Capacity	Cooling	Btu/h	166,000		225,000	
		W	48,650		65,941	
	Heating	Btu/h	180,000		250,000	
		W	45,359		73,268	
Electrical Data	Power Supply	V, φ, Hz	380-415, 3, 50		380-415, 3, 50	
	M.C.A (with standard motor)	Cooling	Amps	57.2		74.4
		Heating	Amps	57.2		74.4
	Power Input	Cooling	W	20,000		26,470
Heating		W	17,000		27,777	
Performance	Air Circulation	Nominal CFM	CFM	5,500	8,000	
	EER	Cooling	Btu/h-W	8.3		8.5
		Heating	Btu/h-W	10.6		9.0
	Sound Rating		bell	9.2		9.2
Indoor Fan	Type		Centrifugal Blower		Centrifugal Blower	
	Diameter(Width)	inch	15(15)		18(18)	
	Drive Type / Motor Step		Belt/1		Belt/1	
	Motor rpm (Standard / oversized)		1,380 -1,400 / 1,400 -1,430		3,890 -2,900 / 2,870 -2,900	
Outdoor Fan	Type		Propeller		Propeller	
	No. Used / Diameter(inch)		2EA / 23.6		4EA / 22	
	Drive Type		Direct		Direct	
	CFM		6,250		12,500	
Dehumidification Rate	Motor RPM		910		950	
		L/h	13.3		20	
Refrigerant	Refrigerant Charge	kg	4.65(A)+2.9(B)		5.6 / Circuit	
		lbs	10.25(A)+6.39(B)		12.35 / Circuit	
	Type		R-410A		R-410A	
Dimensions	WxHxD	inch	87 13/16 x 49 x 60 10/16		114 2/16 x 49 3/16 x 86 10/16	
		mm	2,233x1,244x1,540		2,898x1,250x2,200	
Net Weight		kg	550		900	
		lbs	1,212		1,984	

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

Multi Split System



Multi Split System



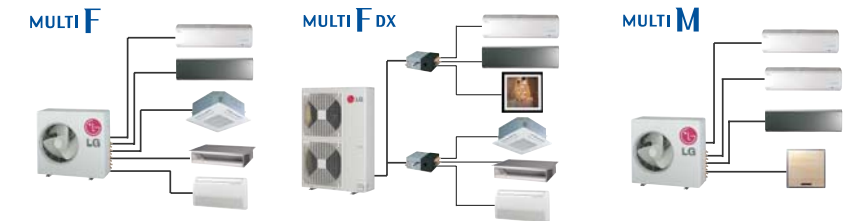
Why?

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

Multi Split Air Conditioners



Inverter :
A power system which uses one powerful inverter compressor.



For Commercial Sites



1-way Ceiling Cassette Type



4-way Ceiling Cassette Type



Ceiling Concealed Duct Type (High Static)



Ceiling Concealed Duct Type (Low Static)



Ceiling Concealed Duct Type (Built-in)



Ceiling & Floor Type

For Residential Sites



ART COOL Mirror



ART COOL Gallery



Wall Mounted Type

Wide Range

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



MULTI F (Inverter)

(Based on Heat Pump)

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

MULTI F DX (Inverter+DB*)

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

MULTI M

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

* Distributor Box

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
Wall Mounted		●	●	●	●	●
ART COOL	Mirror		●	●	●	
			●	●	●	●
	Gallery			●	●	
	Panel			●	●	
	Panel			●	●	
Ceiling & Floor			●	●	●	●
Ceiling Concealde Duct	Built-in			●	●	
	Low Static			●	●	●
	Slim Duct			●	●	●
	High Static				●	●
Cassette	1Way			●	●	
	4Way			●	●	●

Ceiling Cassette

Ceiling Concealed Duct

Ceiling & Floor Ceiling Suspended

Synchro

Floor Standing

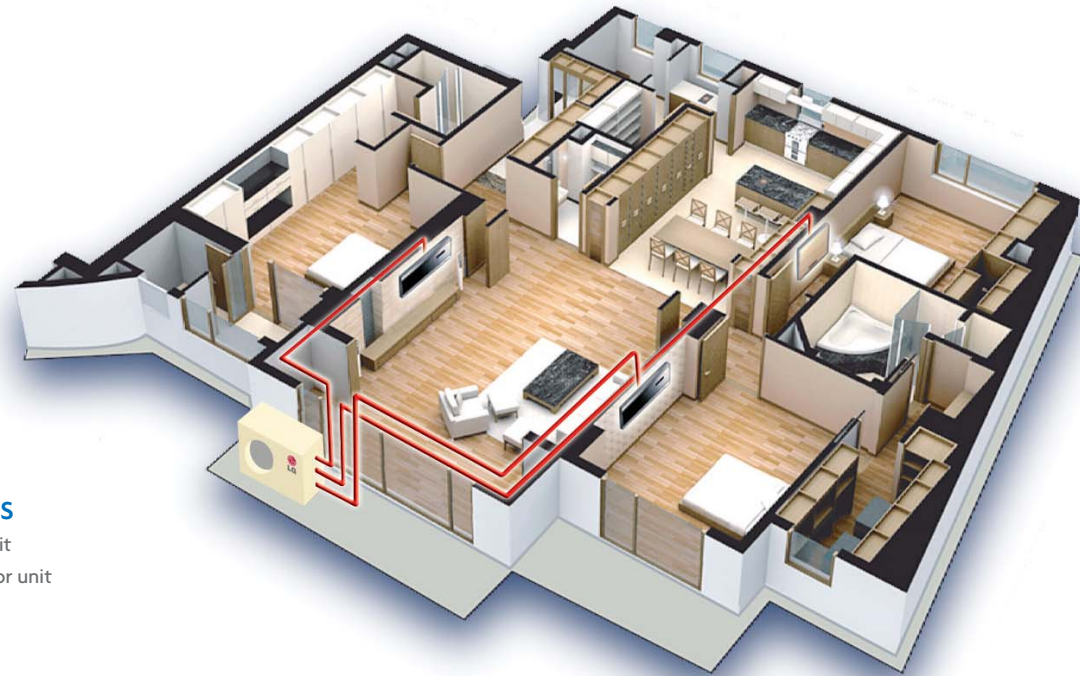
Roof top

Multi Split System

Next Generation LG Multi System

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

MULTI F
MULTI F DX



- **Wide range of Unit combinations**

13 different types of indoor unit
15 different capacity of outdoor unit

- **Energy Saving**

With LG inverter technology

- **Top Class Energy Label**

With the PFC & the sine wave control technology and powerful BLDC compressor

- **Advanced Controls**

Various controls available, such as remote controller, Central controller and Control on the internet

- **Max. 145m Long Piping**

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

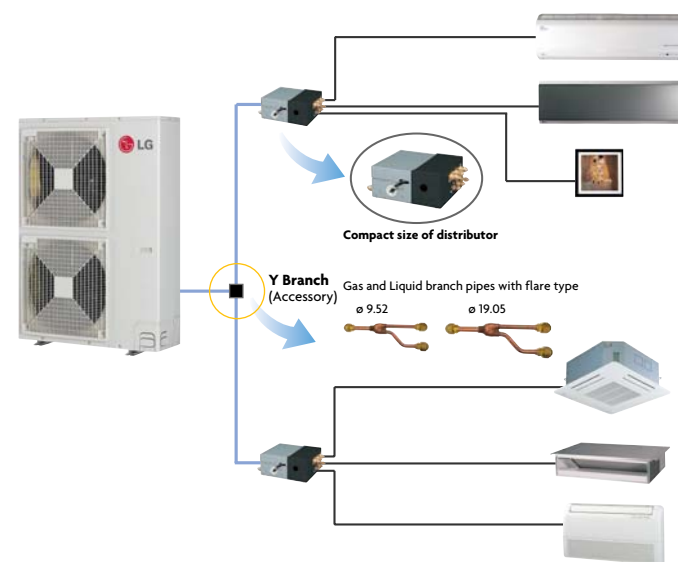
- **High diversity of indoor unit combination**

ArtCool, Wall Mounted, Ceiling & Floor, Ceiling Cassette, Ceiling Concealed Duct types.

- **Powerful operation**

- **Compact Size & ez Installation**

Multi FDX System



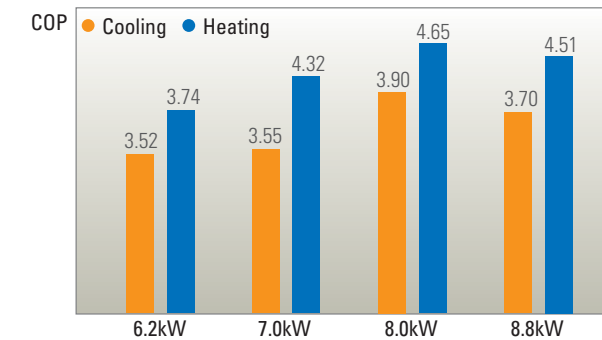
INVERTER TECHNOLOGY

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



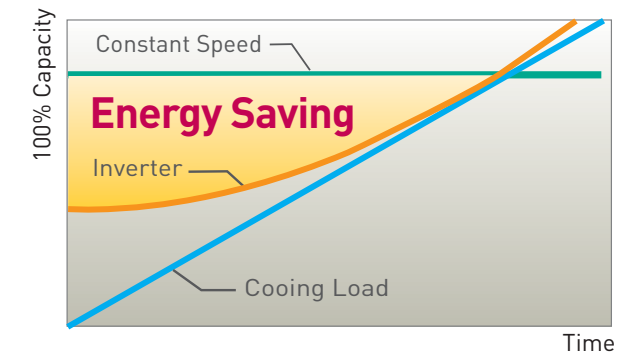
Top Class COP

- DC Inverter Compressor
- BLDC Fan Motor



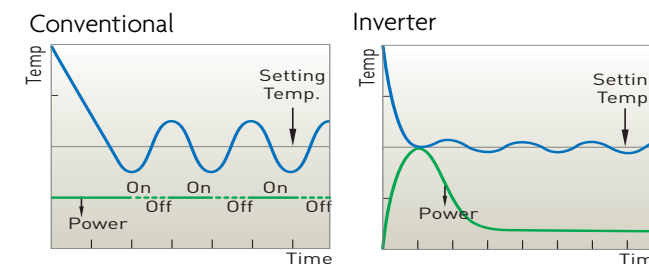
More Economical

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



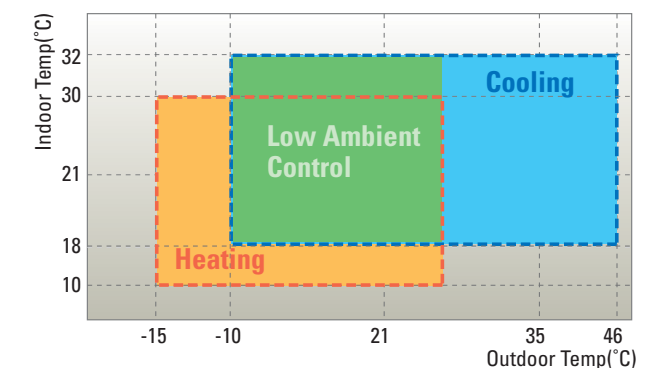
More Comfortable

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



More Powerful

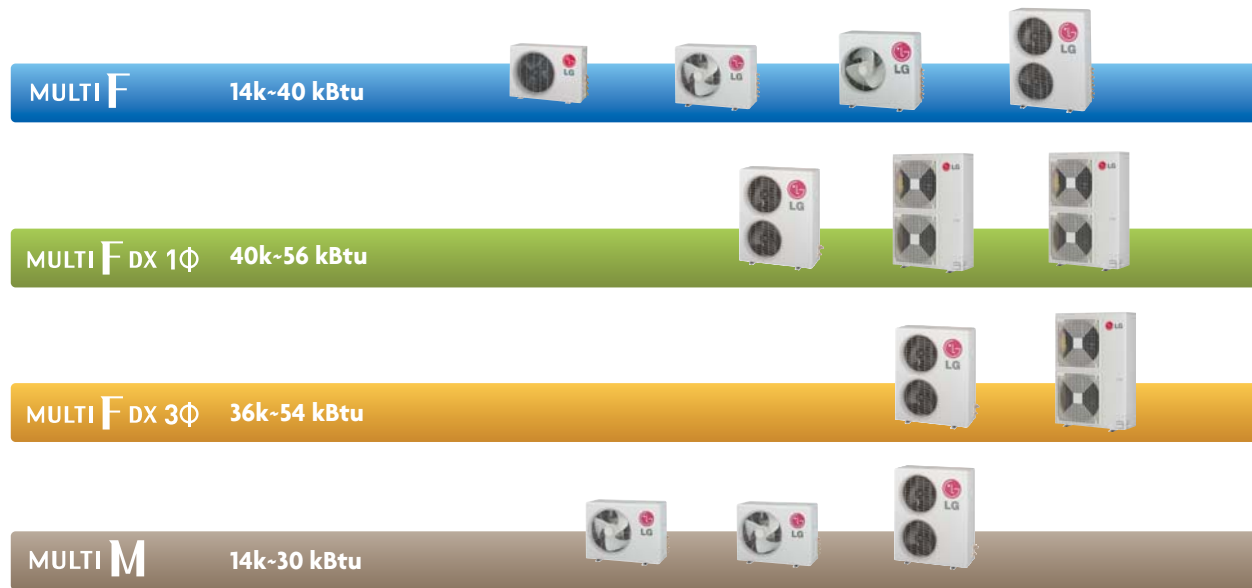
With a wider operation range for heating and cooling, the inverter is able to operate in even the most extreme outdoor temperatures. An inverter compressor can also operate faster than conventional air conditioners thus allowing the air conditioner to reach the set temperature faster and brings you comfort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



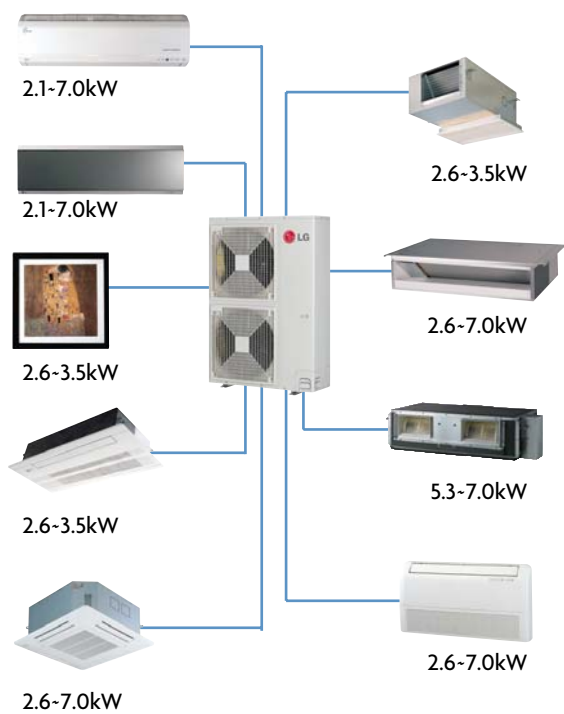


Next Generation LG Multi System

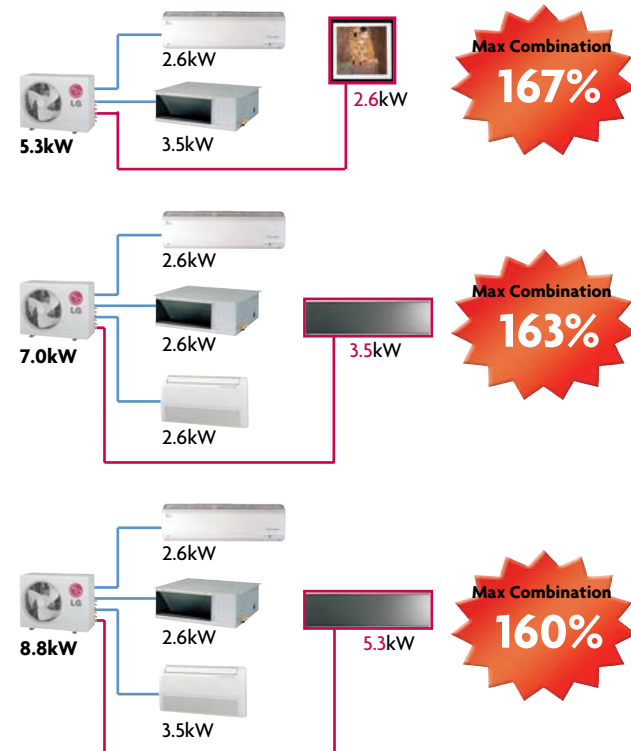
The Wide Range of Outdoor Unit



The Variety of Indoor Unit



Indoor Capacity Combination



Slim & Compact Size (30k)

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



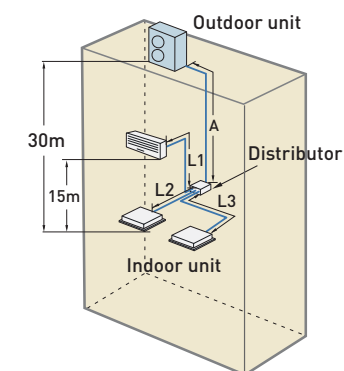
	Current	New
Outdoor Capacity	30k	30k
Max indoor Capacity Connection	130%	160%
Max indoor Unit	up to 4 room	up to 5 room

Long & High Elevation Piping

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

*Distributor Type

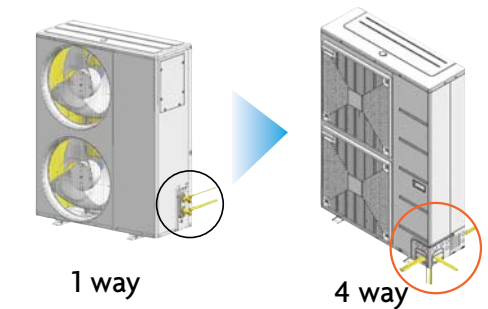
Piping Length(m)	FM40AH	FM48AH	FM56AH
Total Pipe (A+L1+L2+L3)	100	135	145
Main Pipe (A)	50	55	55
Total Branch Pipe (L1+L2+L3)	50	80	90
Each Branch Pipe	15	15	15
Indoor-Outdoor	30	30	30
Indoor-Indoor	15	15	15



Easy to service

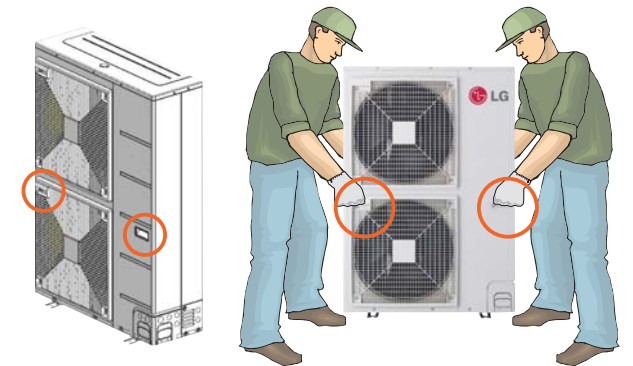
1 Inner SVC valve

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



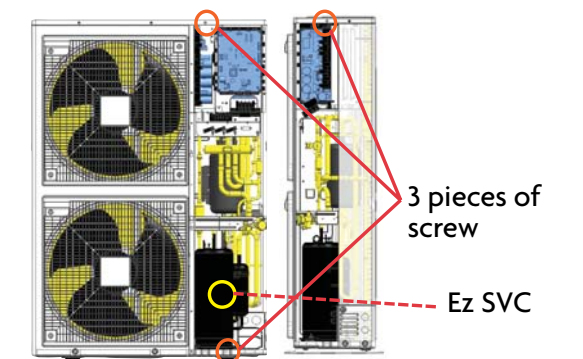
2 Convenient moving handle

Fitted hand grips for easy transportation and installation.



3 Compact Design & Ez SVC

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





MULTI F

MULTI F

Indoor Units

Outdoor Units

Various Indoor Units

Type	Wall Mounted Type					Ceiling Cassette Type		Ceiling Concealed Duct Type				Ceiling & Floor Type	
	Wall Mounted	ΔRT COOL Mirror	ΔRT COOL Gallery	ΔRT COOL Panel		1-way	4-way	Built-in	Low	Slim Duct	High		
2.1 kW	MS07AH N40	MC07AH* NE1	MC07AH* NU1										
2.6 kW	MS09AH N40	MC09AH* NE1	MC09AH* NU1	MA09AH1 NF1	MA09AH* NF1	MA09AH* NP1	MT09AH NCI	MT10AH NE1	MB09AHB NPO	MB09AHL NTO	MB09AHL NT1	MV09AH NE0	
3.5 kW	MS12AH N40	MC12AH* NE1	MC12AH* NU1	MA12AH1 NF1	MA12AH* NF1	MA12AH* NP1	MT11AH NCI	MT12AH NE1	MB12AHB NPO	MB12AHL NTO	MB12AHL NT1	MV12AH NE0	
5.3 kW	MS18AH N50	MC18AH* N81						MT18AH NE1		MB18AHL NTO	MB18AHL N21	MB18AH NHO	MV18AH NBO
7.0 kW	MS24AH N50	MC24AH* N81						MT24AH NHO			MB24AHL N21	MB24AH NHO	MV24AH NBO

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



ΔRT COOL _ Gallery



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

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

Specifications_Outdoor Units



Model		FM15AH UL3	FM17AH UL1	FM18AH UE0	FM21AH UE3	FM25AH UE3	FM27AH UE3	FM30AH UE0	FM38AH UH3
Nominal Capacity* (Min-Rated-Max)	Cooling	kW 1.35-4.10-4.69	1.35-4.69-5.13	1.35-5.30-6.33	1.85-6.15-7.33	1.85-7.03-8.5	1.85-7.91-9.49	1.85-8.80-10.55	2.8-11.7-13.5
	Heating	kW 1.41-4.70-5.27	1.41-5.27-5.71	1.41-6.30-7.27	2.22-7.03-7.77	2.22-8.44-9.38	2.22-9.08-10.55	2.22-10.1-12.1	3.2-13.5-15.0
Nominal Input* (Min-Rated-Max)	Cooling	kW 0.38-1.25-1.50	0.38-1.38-1.60	0.38-1.55-2.35	0.72-1.75-2.33	0.72-1.99-2.75	0.72-1.55-3.4	0.72-2.39-3.96	1.1-3.63-4.65
	Heating	kW 0.45-1.25-1.50	0.45-1.40-1.55	0.45-1.65-2.32	0.88-1.88-2.26	0.88-1.96-2.79	0.88-1.65-3.5	0.88-2.25-4.13	1.4-3.65-4.84
Energy label		A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A
Testing Combination		MS09AH N40 + MS12AH N40	MS12AH N40 * 2	MS09AH N40 * 2 + MS12AH N40	MS09AH N40 * 3EA	MS07AH N40 * 2EA + MS09AH N40 * 2EA	MS07AH N40 * 4EA	MS07AH N40 * 3EA + MS09AH N40 * 2EA	MS09AH N40 * 3EA + MS012AH N40 * 2EA
Running Current	Cooling	A 1.6-5.4-6.3	1.7-6.3-7.3	2.3-7.3-10.5	2.4-7.4-10.1	2.3-8.0-13.0	2.9-9.0-16.6	2.9-10.7-17.5	6.2-16.0-20.0
	Heating	A 2.0-5.4-5.6	2.0-6.4-7.1	2.6-7.8-10.6	3.1-7.8-10.4	3.0-9.0-13.0	3.1-8.6-16.9	3.1-10.0-18.2	6.9-16.4-20.5
Power Supply		ø/V/ Hz 1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Dimensions	W*H*D	mm(inch) 770*540*245 (30.3*21.3*10)	770*540*245 (30.3*21.3*10)	870*655*320 (34.3*25.8*12.6)	870*655*320 (34.3*25.8*12.6)	870*808*320 (34.3*31.8*12.6)	870*808*320 (34.3*31.8*12.6)	870*808*320 (34.3*31.8*12.6)	900*1165*370 (35.4*45.8*14.5)
	Net Weight	kg(lbs) 37(81.6)	37(81.6)	52(115)	57(126)	61(134)	65(143.3)	65(143.3)	95(209)
Max. Number of Connectable Indoor Units		2	2	3	3	4	4	5	5
Refrigerant Charge (at 7.5m)	g(oz)	950(33.5)	950(33.5)	1,650(59.97)	1,700(60)	2,000(70.5)	2,550(89.95)	2,550(89.95)	4,400(155.2)
Air flow rate (H/M/L)	CMM(CFM)	35(123.6)	35(123.6)	53(176.6)	53(187.2)	53(187.2)	60(219)	60(219)	53(187.2)*2
Noise Level (H/L)	Sound Pressure at 1m	dB(A)±3 51/45	51/45	51/45	51	52	52	52	58
	Liquid(o)	mm(inch) 6.35(1/4)*2EA	6.35(1/4)*2EA	6.35(1/4)*3EA	6.35(1/4)*3EA	6.35(1/4)*4EA	6.35(1/4)*4EA	6.35(1/4)*5EA	6.35(1/4)*5EA
Piping Connections	Gas(o)	mm(inch) 9.52(3/8)*2EA	9.52(3/8)*2EA	9.52(3/8)*3EA	9.52(3/8)*3EA	9.52(3/8)*4EA	9.52(3/8)*4EA	9.52(3/8)*5EA	9.52(3/8)*5EA
	Total of Each Room	m 30	30	50	50	70	70	75	85
Max. Interunit Piping Length	For One Room	m 20	20	25	25	25	25	25	25
	Indoor Unit-Indoor Unit	m 15	15	15	15	15	15	15	15
Max. Elevation	Indoor Unit-Indoor Unit	m 7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5

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



MULTI F DX



Outdoor Units

Outdoor Units

Specifications_Outdoor Units



Specifications_Outdoor Units



Model		FM40AH UH3	FM48AH U33	FM56AH U33
Nominal Capacity* (Min-Rated-Max)	Cooling	2.8-11.7-13.5	3.3-15.47-17.0	4.0-16.7-18.52
	Heating	96,000-40,000-46,000	11,400-52,800-58,000	13,800-57,000-63,200
Nominal Input* (Min-Rated-Max)	Cooling	1.1-3.63-4.65	0.84-4.69-5.35	1.0-4.96-5.65
	Heating	1.4-3.36-4.84	1.30-4.43-5.58	1.25-4.62-5.70
Energy label		A/A	A/A	A/A
Testing Combination		MS07AH N40 * 7EA	MS07AH N40 * 5EA MS09AH N40 * 3EA	MS09AH N40 * 8EA
Running Current	Cooling	6.2-16.0-20.0	3.9-21.1-23.2	4.6-21.7-24
	Heating	6.9-16.4-20.5	6.9-22.6-25	7.4-22.4-26
Power Supply		1/220-240/50	1/220-240/50	1/220-240/50
Dimensions	W*H*D	900*1165*370(35.4*45.8*14.5)	950*1380*330(37.4*54.3*12.3)	950*1380*330(37.4*54.3*12.3)
Net Weight	kg(lbs)	95(209)	110(242.5)	110(242.5)
Max. Number of Connectable Indoor Units		7	8	9
Refrigerant	Charge (at 5m)	4.400(155)	4.800(169.3)	4.800(169.3)
Air flow rate (H/M/L)	CMM(CFM)	53(1,872)*2	60(2,119)*2	60(2,119)*2
Noise Level (H/L)	dB(A)±3	58	59	59
Piping Connections	Liquid(o)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas(o)	19.05(3/4)	19.05(3/4)	19.05(3/4)
Max. Interunit Piping Length	Total Piping (Main+Total Branch)	100	135	145
	Main Piping	50	55	55
	Total Branch Piping	50	80	90
	Each Branch Piping	15	15	15
Max. Elevation Difference	Indoor Unit-Outdoor Unit	30	30	30
	Indoor Unit-Indoor Unit	15	15	15

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

Model		FM37AH UE0	FM41AH U33	FM49AH U33	FM57AH U33
Nominal Capacity* (Min-Rated-Max)	Cooling	6.33-9.67-10.8	2.8-13.5-14.1	3.3-15.47-17.0	4.0-16.7-18.52
	Heating	21,600-33,000-37,000	9,600-46,000-48,000	11,400-52,800-58,000	13,800-57,000-63,200
Nominal Input* (Min-Rated-Max)	Cooling	1.80-3.00-3.45	0.8-3.47-5.0	0.84-4.69-5.5	1.0-4.96-5.7
	Heating	1.83-3.05-3.51	1.0-4.12-5.1	1.30-4.43-5.6	1.25-4.62-5.75
Energy label		A/A	A/A	A/A	A/A
Testing Combination		MS07AH N40 * 6EA	MS07AH N40 * 7EA	MS07AH N40 * 5EA MS09AH N40 * 3EA	MS09AH N40 * 8EA
Running Current	Cooling	3.4-5.4-6.0	1.5-7.2-8.1	1.8-7.2-8.4	2.3-7.9-9.1
	Heating	3.5-5.4-6.1	1.7-7.5-8.0	2.1-7.5-8.3	2.5-8.4-8.7
Power Supply		3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Dimensions	W*H*D	900*1165*370(35.4*45.8*14.5)	950*1380*330(37.4*54.3*12.3)	950*1380*330(37.4*54.3*12.3)	950*1380*330(37.4*54.3*12.3)
Net Weight	kg(lbs)	80(176)	108(238.0)	108(238.0)	108(238.0)
Max. Number of Connectable Indoor Units		6	7	8	9
Refrigerant	Charge (at 5m)	2.800(98.8)	4.800(169.3)	4.800(169.3)	4.800(169.3)
Air flow rate (H/M/L)	CMM(CFM)	32(1,130) x 2	60(2,119) x 2	60(2,119) x 2	60(2,119) x 2
Noise Level (H/L)	dB(A)±3	51/47	58	59	59
Piping Connections	Liquid(o)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas(o)	15.88(5/8)	19.05(3/4)	19.05(3/4)	19.05(3/4)
Max. Interunit Piping Length	Total Piping (Main+Total Branch)	100	125	135	145
	Main Piping	40	55	55	55
	Total Branch Piping	60	70	80	90
	Each Branch Piping	20	15	15	15
Max. Elevation Difference	Indoor Unit-Outdoor Unit	30	30	30	30
	Indoor Unit-Indoor Unit	15	15	15	15

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

Distributor Box




PMBD3620, PMBD3630, PMBD3640, PMBD7220, PMBD7230

MULTI FDX



Distributor Box

Easy Installation with Various Distributor Box

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

Features

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



Specifications_Distributors

Model		PMBD3620	PMBD3630	PMBD3640	PMBD7220	PMBD7230
Connectable Indoor Units	Number of Indoor Units	1-2	1-3	1-4	1-2	1-3
Indoor Units Capacity	Btu/h	7k/9k/12k/18k/24k	7k/9k/12k/18k/24k	7k/9k/12k/18k/24k	18k/24k/30k/36k	18k/24k/30k/36k
Power Source	ø/V/Hz	1.50, 220-240	1.50, 220-240	1.50, 220-240	1.50, 220-240	1.50, 220-240
Power Consumption	W	10	10	10	10	10
Running Current	A	0.05	0.05	0.05	0.05	0.05
Dimensions	W*H*D	mm(inch)	302*143*252(11.9*5.6*9.9)	302*143*252(11.9*5.6*9.9)	302*143*252(11.9*5.6*9.9)	302*143*252(11.9*5.6*9.9)
Net Weight	kg/lb	4.8/10.6	4.9/10.8	5/11	5/11	5/11
Piping Connection (To Outdoor Unit)	Liquid(o) Gas(o)	mm(inch)	9.52(3/8) 19.05(3/4)	9.52(3/8) 19.05(3/4)	9.52(3/8) 19.05(3/4)	9.52(3/8) 19.05(3/4)
Piping Connection (To Indoor Unit)	Liquid(o) Gas(o)	mm(inch)	6.35(1/4)*2EA 9.52(3/8)*2EA	6.35(1/4)*3EA 9.52(3/8)*3EA	6.35(1/4)*4EA 9.52(3/8)*4EA	6.35(1/4)*3EA 12.7(1/2), 15.88(5/8) 12.7(1/2), 15.88*2EA
Accessories	Hanger (Bracket) Screw Manual	EA	4 8 1	4 8 1	4 8 1	4 8 1

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

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

Y Branch and Branch Kit

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

MULTI FDX

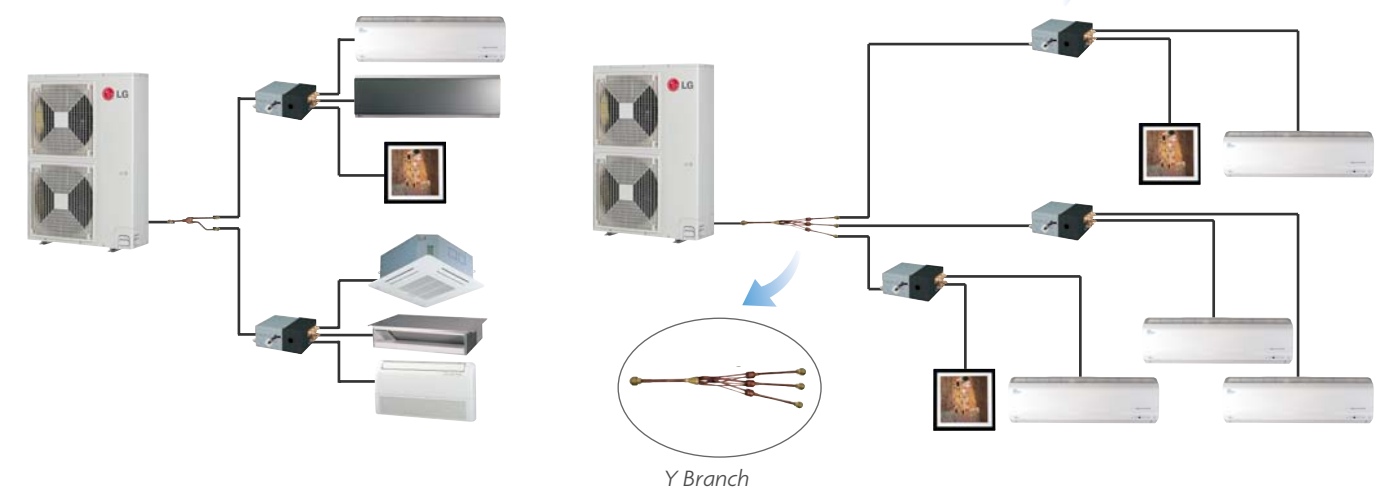


Y Branch and Branch Kit

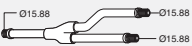
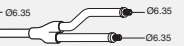
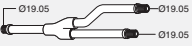
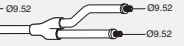
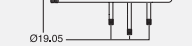

Features

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

Application



Accessory model name

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

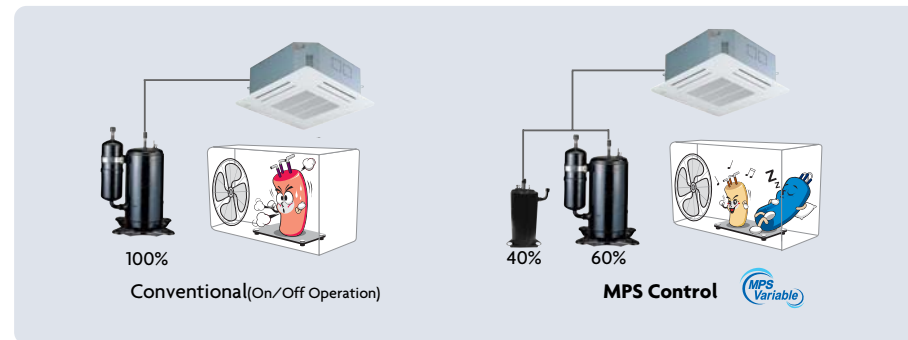


MULTI M

Indoor Units

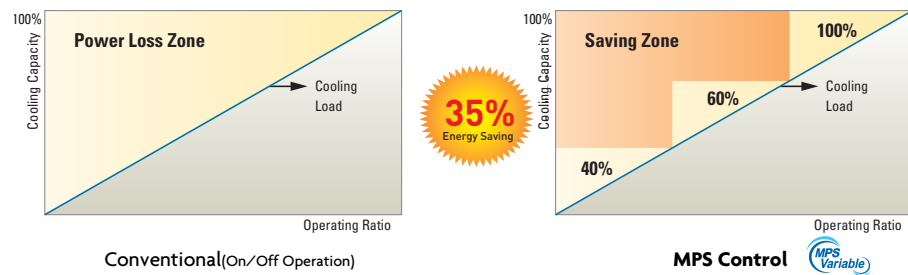
Big Energy Saving with MPS Control

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



Power Consumption Comparison

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



Various Indoor Units

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

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



Outdoor Units

MULTI M

14 kBtu/h

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



18 kBtu/h

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



21 kBtu/h

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



30 kBtu/h

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

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

Notes:-

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

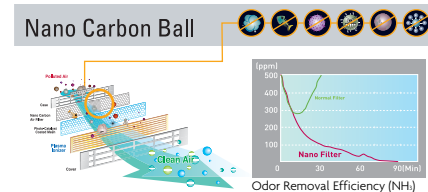


Wall Mounted Type

NEO-Plasma Air Purifying System

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

Odor Free! Dust Free! Allergy Free!



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

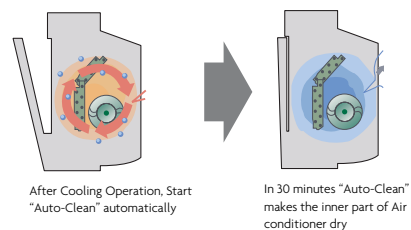
What is Carbon Nano Ball?
Nano(1/1000) ball structure, (200-500nm) consisted of carbon, is adopted as deodorizing material first in the world

ARTCOOL Panels



Auto Cleaning

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



Jet Cool™

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

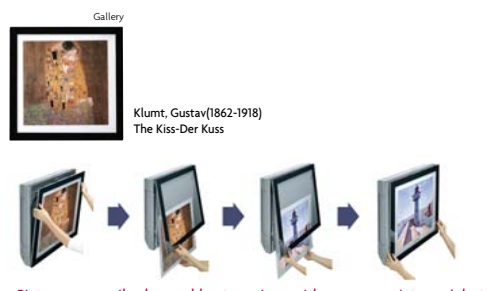
Ez-Remote Controller

User Friendly & Modern Design and Easy use!!

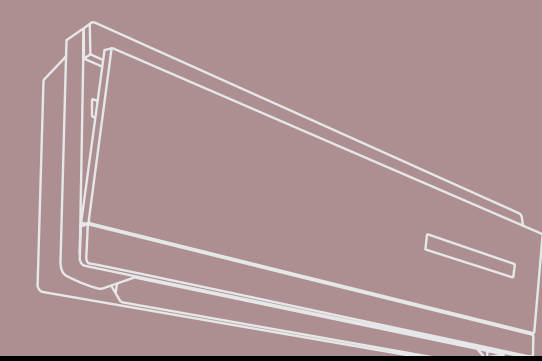
- User Friendly Design**
- Comfortable to grab
 - Sliding type
- Easy Use**
- Bigger size button
 - Highlighted some buttons with different colors
 - Easy to recognize functions with graphics



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



Indoor Units



Capacity (kW)		2.1	2.6	3.5	5.3	7	8.8	10.5
Wall Mounted		MS07AH N40 MS07AHG N40	MS09AH N40 MS09AHG N40	MS12AH N40 MS12AHG N40	MS18AH N50	MS24AH N50		
ART COOL Mirror		MC07AH* NU1	MC09AH* NU1	MC12AH* NU1				
		MC07AH* NE1	MC09AH* NE1	MC12AH* NE1	MC18AH* N81	MC24AH* N81		
ART COOL Gallery			MA09AH1 NFI	MA12AH1 NFI				
ART COOL Panel			MA09AH* NFI	MA12AH* NFI				
ART COOL Panel			MA09AH* NPI	MA12AH* NPI				

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

Specifications

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

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

Model		MA09AH* NPI	MA12AH* NPI	MA09AH* NFI	MA12AH* NFI	MC18AH* N81	MC24AH* N81
Cooling capacity	kW	2.64	3.52	2.64	3.52	5.28	6.74
	Btu/h	9,000	12,000	9,000	12,000	18,000	23,000
Heating capacity	kW	2.93	3.87	2.93	3.87	5.8	7.47
	Btu/h	10,000	13,200	10,000	13,200	19,800	25,000
Running current	A	0.08	0.08	0.08	0.08	0.28	0.28
Air flow rate (H/M/L)	cmm	7/6.5/6	8.7/8.1/7.5	7.7/5.9/4.4	8.9/7.3/5.6	12.6/11.5/10	15/14/13
	cfm	247/230/212	307/286/265	272/208/155	314/258/198	445/406/353	530/494/459
Dimensions (WxHxD)	Body mm(inch)	570*568*129 (22.4*22.4*5.1)	570*568*129 (22.4*22.4*5.1)	600*600*146(23.6*23.6*5.7)	600*600*146(23.6*23.6*5.7)	1107*299*200(43.6*11.8*7.9)	1107*299*200(43.6*11.8*7.9)
Weight	Body kg(lbs)	11.5 (25.4)	11.5 (25.4)	15(33.1)	15(33.1)	14.1(31.09)	14.1(31.09)
Sound level (H/M/L)	dB(A)±3	37 / 31 / 27	43 / 39 / 31	38 / 32 / 27	44 / 38 / 32	39/37/35	43/41/38
Piping connections	Liquid mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
Dehumidification rate	L/h	1.1	1.4	1.2	1.4	2	2.5

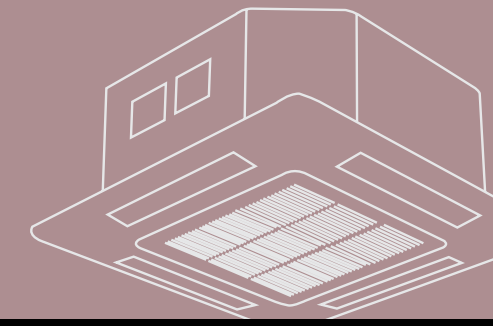
Note : Due to our policy of innovation some specifications may be changed without notification.

Model		MC07AH* NZ1	MC09AH* NU1	MC12AH* NU1	MC07AH* NE1	MC09AH* NE1	MC12AH* NE1
Cooling capacity	kW	2.05	2.64	3.52	2.05	2.64	3.52
	Btu/h	7,000	9,000	12,000	7,000	9,000	12,000
Heating capacity	kW	2.34	2.93	3.87	2.34	2.93	3.87
	Btu/h	8,000	10,000	13,200	8,000	10,000	13,200
Running current	A	0.1	0.15	0.15	0.1	0.15	0.15
Air flow rate (H/M/L)	cmm	7/6/4	8/7/5	10/8/6	7/6/4	8/7/5	10/8/6
	cfm	247/212/141	282/247/177	353/283/212	247/212/141	282/247/177	353/283/212
Dimensions (WxHxD)	Body mm(inch)	900*272*143 (35.4*10.7*5.6)	1030*290*153(40.6*11.4*6.0)	1030*290*153 (40.6*11.4*6.0)	915x282x165 (36.0*11.1*6.5)	915x282x165 (36.0*11.1*6.5)	915x282x165 (36.0*11.1*6.5)
Weight	Body kg(lbs)	8.1(17.9)	9.5(20.9)	9.5(20.9)	8.1(17.9)	9.5(20.9)	9.5(20.9)
Sound level (H/M/L)	dB(A)±3	31/29/27	33/31/29	35/31/29	30/25/21	31/26/22	35/28/24
Piping connections	Liquid mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Dehumidification rate	L/h	1	1.2	1.5	1	1.2	1.5

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



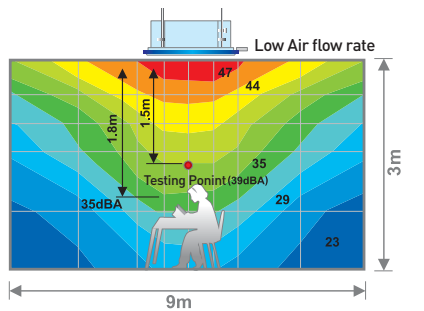
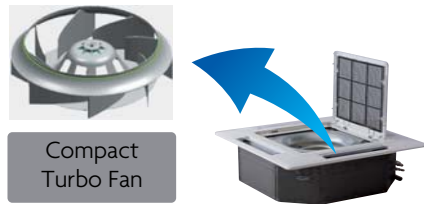
Ceiling Cassette Type



Indoor Units

Application of a High-Efficiency Compact Turbo Fan

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



Super Slim Design

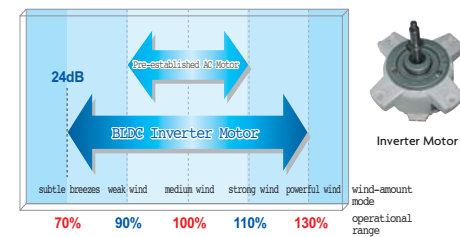
The interior air conditioner with the smallest and the most compact design in the world based on a three-dimensional CAD and CAE computer system has successfully reduced the space it occupies and enabled installation in various spaces (TH window frames)



BLDC Inverter Motor

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

Variable range of wind of the interior fan motor



Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

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

PLASMA Air Purifying System (Accessory)

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

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

Capacity (kW)	2.1	2.6	3.5	5.3	7.0	8.8
1-Way Cassette Type		MT09AH NCI	MT11AH NCI			
4-Way Cassette Type		MT10AH NEI	MT12AH NEI	MT18AH NEI	MT24AH NHO	

Specifications

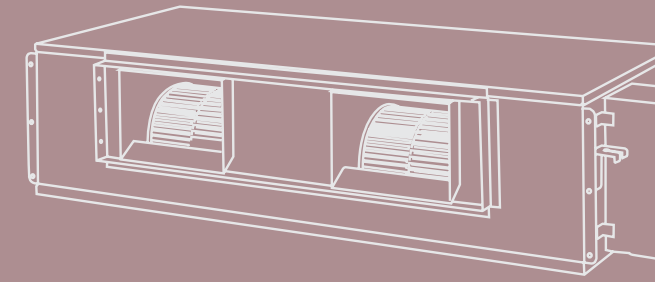
Model	Panel	Ceiling Cassette - 1 way		Ceiling Cassette - 4way			
		MT09AH NCI	MT11AH NCI	MT10AH NEI	MT12AH NEI	MT18AH NEI	MT24AH NHO
Cooling Capacity	kW	2.64	3.52	2.64	3.52	5.28	7.03
	Btu/h	9,000	12,000	9,000	12,000	18,000	24,000
Heating Capacity	kW	2.93	3.87	2.93	3.87	5.80	7.74
	Btu/h	10,000	13,200	10,000	13,200	19,800	26,400
Running current	A	0.56	0.56	0.35	0.35	0.75	0.8
Air flow rate (H/M/L)	cmm	8.5/7.5/6.5	9.5/8/7	8.5/7.5/6.5	9.5/8/6.5	12/10/9	17/15/13
	cfm	300/265/230	336/283/247	300/265/230	336/283/230	424/353/318	600/530/459
Dimensions (W*H*D)	Body mm(inch)	860*180*390(33.8*7.1*15.3)	860*30*390(33.8*7.1*15.3)	570*265*570(22.4*10.5*22.4)	570*265*570(22.4*10.5*22.4)	570*265*570(22.4*10.5*22.4)	840*950*30(33.1*33.1*8.8)
	Decorative Panel mm	1050*30*480(41.3*1.2*18.9)	1050*30*480(41.3*1.2*18.9)	670*30*670(26.4*1.2*26.4)	670*30*670(26.4*1.2*26.4)	670*30*670(26.4*1.2*26.4)	950*950*30(37.4*37.4*1.2)
Weight	Body kg(lbs)	22 (48.5)	22 (48.5)	19 (41.9)	19 (41.9)	19 (41.9)	26 (126.5)
	Decorative Pane kg(lbs)	4 (8.8)	4 (8.8)	3 (6.6)	3 (6.6)	3 (6.6)	5 (11)
Sound level (H/M/L)	H/M/L dB(A)±3	35/32/28	37/33/29	33/29/24	36/34/27	41/35/30	32/29/26
	Liquid inch(mm)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Piping Connections	Gas inch(mm)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Dehumidification rate l/h	1.1	1.3	1.1	1.2	2.4	3.0

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





Ceiling Concealed Duct Type



Indoor Units

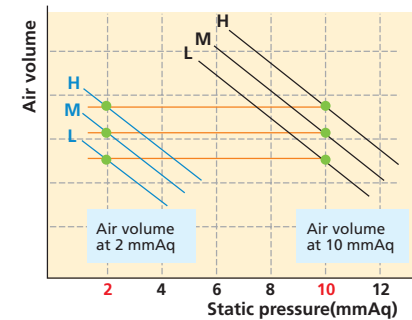


E.S.P: External Static Pressure

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

- Optimize duct work Installation
- Keep capacity & sound level as desired
- Simplify model numbers

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



*Notes: MB18AH, MB24AH, MB30AH, MB36AH

Slim duct

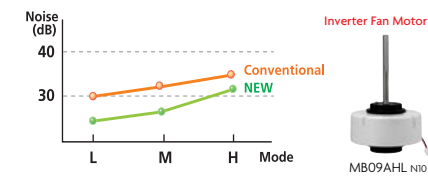
Hidden in the ceiling, this product is suitable for applications that require floor level or individual level air conditioning for buildings where there are many rooms or halls, such as restaurants, concert halls and hotels. Installation is not hindered by the location of lighting fixtures or room structure,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

Slim Duct



*Conventional Model : 650x230x535

Noise Level



Capacity (kW)	2.6	3.5	5.3	7.0
Built-in	MB09AHB NPO	MB12AHB NPO		
Low Static	MB09AHL NTO	MB12AHL NTO	MB18AHL NTO	
Slim Duct	MB09AHL N11	MB12AHL N11	MB18AHL N21	MB24AHL N21
High Static			MB18AH NHO	MB24AH NHO

Specifications

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

Model	Ceiling Concealed Duct - Low Static				
	MB09AHL NTO	MB12AHL NTO	MB18AHL NTO		
Cooling Capacity	kW	2.64	3.52	5.27	
	Btu/h	9,000	12,000	18,000	
Heating Capacity	kW	2.93	3.87	5.8	
	Btu/h	10,000	13,000	19,800	
Running current	Cooling	0.56	0.56	0.83	
Air flow rate (H/M/L)	cmm	8/7/6	10/9/8	13.5/12/10	
	cfm	282/246/211	352/317/282	477/424/353	
External static pressure	mmAq	2		2	
Dimensions (W*H*D)	Body mm(inch)	650*230*535(25.6*9.0*21.1)		1000*230*535(39.4*9.0*21.1)	
Weight	Body kg(lbs)	22 (48.5)		29 (63.9)	
Sound level (H/M/L)	dB(A)±3	34/32/30		38/36/34	
Piping Connections	Liquid mm(inch)	6.35 (1/4)		6.35 (1/4)	
	Gas mm(inch)	9.52 (3/8)		12.7 (1/2)	
Dehumidification rate	l/h	1		2	

Model	Ceiling Concealed Duct - Slim Duct				
	MB09AHL N11	MB12AHL N11	MB18AHL N21	MB24AHL N21	
Cooling Capacity	kW	2.64	3.52	5.27	7.03
	Btu/h	9,000	12,000	18,000	24,000
Heating Capacity	kW	2.93	3.87	5.8	7.74
	Btu/h	10,000	13,000	19,800	26,400
Running current	Cooling	0.7	0.7	0.7	0.7
Air flow rate (H/M/L)	cmm	8/7/6	10/9/8	13.5/12/10	17.5/16/15
	cfm	282/246/211	352/317/282	477/424/353	618/565/28
External static pressure	mmAq	2		2	
Dimensions (W*H*D)	Body mm(inch)	820*190*575(32.3*7.48*22.6)		1,100*190*575(43.3*7.48*22.6)	
Weight	Body kg(lbs)	20.5 (45.2)		30.0 (66.1)	
Sound level (H/M/L)	dB(A)±3	31/26/25		33/31/26	
Piping Connections	Liquid mm(inch)	6.35 (1/4)		6.35 (1/4)	
	Gas mm(inch)	9.52 (3/8)		12.7 (1/2)	
Dehumidification rate	l/h	1		2	

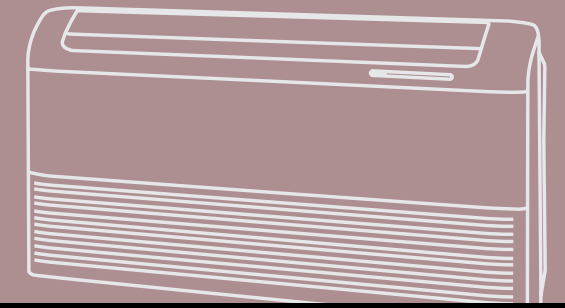
Model	Ceiling Concealed Duct - High Static		
	MB18AH NHO	MB24AH NHO	
Cooling Capacity	kW	5.28	7.03
	Btu/h	18,000	24,000
Heating Capacity	kW	5.80	7.74
	Btu/h	19,800	26,400
Running current	Cooling	0.75	0.75
Air flow rate (H/M/L)	cmm	16.5/14.5/13	18/16.5/14
	cfm	583/512/459	636/583/494
External static pressure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

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



Ceiling & Floor Type

Indoor Units



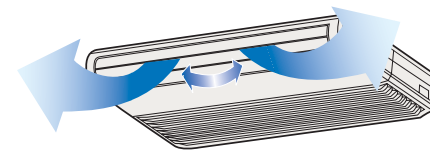
Upgraded Function



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

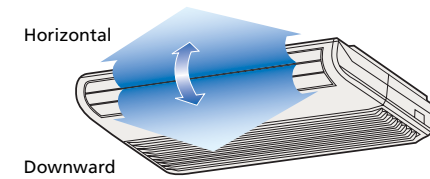
Airflow Direction Control Horizontal Airflow Direction Control.

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



Vertical Airflow Direction Control

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



Capacity (kW)	2.6	3.5	5.3	7.0
Ceiling & Floor Type	MV09AH NEO	MV12AH NEO	MV18AH NBO	MV24AH NBO

Specifications

Model	Ceiling & Floor					
	MV09AH NEO	MV12AH NEO	MV18AH NBO	MV24AH NBO		
Cooling Capacity	kW	2.64	3.52	5.27	7.03	
	Btu/h	9,000	12,000	18,000	24,000	
Heating Capacity	kW	2.93	3.87	5.80	7.38	
	Btu/h	10,000	13,200	19,800	25,200	
Running current	A	0.56	0.56	0.67	0.67	
Air flow rate (H/M/L)	cmm	7.8/6.4/5.0	10.0/8.3/6.5	13.5/12/11	15/13.5/12	
	cfm	276/226/177	353/293/230	477/424/388	530/477/424	
Dimensions (W*H*D)	Body	mm(inch)	900*200*490(35.4*7.9*19.3)	900*200*490(35.4*7.9*19.3)	1200*205*615(47.2*8.1*24.2)	1,200*205*615(47.2*8.1*24.2)
	Body	kg(lbs)	12 (26.5)	12 (26.5)	30 (66.1)	30(66.1)
Sound level (H/M/L)		dB(A)±3	36/32/28	40/36/31	43/40/37	45/42/39
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
Dehumidification rate		l/h	1.0	1.2	2.0	3.0

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



FM15AH UL3

Operation	Combination of Indoor Unit (kBtu/h)			Cooling											
				Each Capacity		Total Capacity						Input(W)			
				Min	Max	Min		Rating		Max		Min	Rating	Max	
UNIT-A	UNIT-B	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max
1 Unit	7	-	7	7000	-	4200	1.2	7000	2.1	8400	2.5	380	630	757	
	9	-	9	9000	-	5400	1.6	9000	3.2	10800	3.2	514	840	1028	
	12	-	12	12000	-	7200	2.1	12000	3.5	13800	4.0	703	1150	1450	
2 Unit	7	7	14	7000	7000	8400	2.5	14000	4.1	15500	4.5	784	1250	1500	
	7	9	16	6125	7875	8400	2.5	14000	4.1	15800	4.6	784	1250	1500	
	9	9	18	7000	7000	8400	2.5	14000	4.1	16000	4.7	784	1250	1500	
	7	12	19	5158	8842	8400	2.5	14000	4.1	15800	4.6	784	1250	1500	
	9	12	21	6000	8000	8400	2.5	14000	4.1	16000	4.7	784	1250	1500	

Note :
 1. Cooling Capacity is based on : indoor temp.27°CDB, 19°C WB; outdoor temp. 35°C DB 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 21k Btu/h 4. At least two indoor units should be connected.

FM15AH UL3

Operation	Combination of Indoor Unit (kBtu/h)			Heating											
				Each Capacity		Total Capacity						Input(W)			
				Min	Max	Min		Rating		Max		Min	Rating	Max	
UNIT-A	UNIT-B	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max
1 Unit	7	-	7	8400	-	5040	1.5	8400	2.5	9660	2.8	450	750	881	
	9	-	9	10800	-	6480	1.9	10800	3.2	12420	3.6	541	870	1037	
	12	-	12	13200	-	7920	2.3	13200	3.9	14400	4.2	757	1300	1450	
2 Unit	7	7	14	8000	8000	9600	2.8	16000	4.7	18000	5.3	730	1280	1500	
	7	9	16	7000	9000	9600	2.8	16000	4.7	18000	5.3	730	1280	1500	
	9	9	18	8000	8000	9600	2.8	16000	4.7	18000	5.3	730	1280	1500	
	7	12	19	5895	10105	9600	2.8	16000	4.7	18000	5.3	730	1280	1500	
	9	12	21	6857	9143	9600	2.8	16000	4.7	18000	5.3	730	1280	1500	

Note :
 1. Cooling Capacity is based on : indoor temp.27°CDB, 19°C WB; outdoor temp. 35°C DB 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 21k Btu/h 4. At least two indoor units should be connected.

FM17AH UL1

Operation	Combination			Cooling											
				Each Capacity		Total Capacity						Input(W)			
				Min	Max	Min		Rating		Max		Min	Rating	Max	
UNIT-A	UNIT-B	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max
1 Unit	7	-	7	8400	-	5040	1.5	8400	2.5	9660	2.8	450	750	881	
	9	-	9	10800	-	6480	1.9	10800	3.2	12420	3.6	541	870	1037	
	12	-	12	13200	-	7920	2.3	13200	3.9	14400	4.2	757	1300	1450	
2 Unit	7	7	14	7500	7500	9000	2.6	15000	4.4	17400	5.1	744	1220	1450	
	7	9	16	7656	9843	10200	3.0	17500	5.0	18000	5.3	730	1400	1550	
	9	9	18	9000	9000	10800	3.2	18000	5.3	19500	5.7	730	1400	1550	
	7	12	19	6447	11052	10200	3.0	17500	5.0	18500	5.4	730	1400	1550	
	9	12	21	7714	10286	10800	3.2	18000	5.3	19500	5.7	730	1400	1550	
12	12	24	9000	9000	10800	3.2	18000	5.3	19500	5.7	730	1400	1550		

Note :
 1. Cooling Capacity is based on : indoor temp.27°CDB, 19°C WB; outdoor temp. 35°C DB 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 21k Btu/h 4. At least two indoor units should be connected.

FM17AH UL1

Operation	Combination			Heating											
				Each Capacity		Total Capacity						Input(W)			
				Min	Max	Min		Rating		Max		Min	Rating	Max	
UNIT-A	UNIT-B	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max
1 Unit	7	-	7	8400	-	5040	1.5	8400	2.5	9660	2.8	450	750	881	
	9	-	9	10800	-	6480	1.9	10800	3.2	12420	3.6	541	870	1037	
	12	-	12	13200	-	7920	2.3	13200	3.9	14400	4.2	757	1300	1450	
2 Unit	7	7	14	7500	7500	9000	2.6	15000	4.4	17400	5.1	744	1220	1450	
	7	9	16	7656	9843	10200	3.0	17500	5.0	18000	5.3	730	1400	1550	
	9	9	18	9000	9000	10800	3.2	18000	5.3	19500	5.7	730	1400	1550	
	7	12	19	6447	11052	10200	3.0	17500	5.0	18500	5.4	730	1400	1550	
	9	12	21	7714	10286	10800	3.2	18000	5.3	19500	5.7	730	1400	1550	
12	12	24	9000	9000	10800	3.2	18000	5.3	19500	5.7	730	1400	1550		

Note :
 1. Cooling Capacity is based on : indoor temp.27°CDB, 19°C WB; outdoor temp. 35°C DB 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 21k Btu/h 4. At least two indoor units should be connected.

FM19AH UE0

Operation	Combination				Cooling												
					Each Capacity			Total Capacity						Input(W)			
					Min	Rating	Max	Min		Rating		Max		Min	Rating	Max	
UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max
1 Unit	7	-	-	7	7000	-	-	4600	1.3	7000	2.1	8400	2.5	480	690	866	
	9	-	-	9	9000	-	-	5400	1.6	9000	2.6	10800	3.2	541	874	1028	
	12	-	-	12	12000	-	-	7200	2.1	12000	3.5	14400	4.2	690	1149	1465	
	18	-	-	18	18000	-	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
2 Unit	7	7	-	14	7000	7000	-	8400	2.5	14000	4.1	16800	4.9	811	1333	1668	
	7	9	-	16	7000	9000	-	9600	2.8	16000	4.7	19200	5.6	906	1516	1984	
	9	9	-	18	9000	9000	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
	7	12	-	19	6632	11368	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
	9	12	-	21	7714	10286	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
	12	12	-	24	9000	9000	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
	7	18	-	25	5040	12960	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
	9	18	-	27	6000	12000	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
	12	18	-	30	7200	10800	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370	
	3Unit	7	7	7	21	6000	6000	6000	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
		7	7	9	23	5478	5478	7043	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
		7	9	9	25	5040	6480	6480	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
7		7	12	26	4846	4846	8308	10800	3.2	18000	5.3	21600	6.3	947	1580	2350	
9		9	9	27	6000	6000	6000	10800	3.2	18000	5.3	21600	6.3	947	1580	2350	
7		9	12	28	4500	5786	7714	10800	3.2	18000	5.3	21600	6.3	947	1580	2350	
9		9	12	30	5400	5400	7200	10800	3.2	18000	5.3	21600	6.3	947	1580	2350	

FM19AH UE0

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

FM21AH UE3

Operation	Combination (kBtu/h)				Cooling											
					Each Capacity (Btu/h)			Total Capacity						Input (W)		
	Unit-A	Unit-B	Unit-C	Total	Unit-A	Unit-B	Unit-C	Min		Rated		Max		Min	Rating	Max
1 Unit	7	-	-	7	-	-	-	6,300	1.85	7,000	2.05	8,400	2.46	720	740	800
	9	-	-	9	9,000	-	-	6,300	1.85	9,000	2.64	10,800	3.16	720	860	1,000
	12	-	-	12	12,000	-	-	7,200	2.11	12,000	3.52	14,400	4.22	780	1,110	1,290
	18	-	-	18	18,000	-	-	10,800	3.16	18,000	5.27	21,600	6.33	950	1,360	1,580
2 Unit	7	7	-	14	7,000	7,000	-	8,400	2.46	14,000	4.10	16,800	4.92	690	1,100	1,420
	7	9	-	16	7,000	9,000	-	9,600	2.81	16,000	4.69	19,200	5.63	850	1,220	1,650
	9	9	-	18	9,000	9,000	-	10,800	3.16	18,000	5.27	21,600	6.33	1,020	1,450	2,080
	7	12	-	19	7,000	12,000	-	11,400	3.34	19,000	5.57	22,800	6.68	1,140	1,630	2,330
	9	12	-	21	9,000	12,000	-	12,600	3.69	21,000	6.15	25,000	7.33	1,140	1,800	2,330
	12	12	-	24	10,500	10,500	-	12,600	3.69	21,000	6.15	25,000	7.33	1,140	1,800	2,330
	7	18	-	25	5,880	15,120	-	12,600	3.69	21,000	6.15	25,000	7.33	1,140	1,800	2,330
	9	18	-	27	7,000	14,000	-	12,600	3.69	21,000	6.15	25,000	7.33	1,140	1,800	2,330
	12	18	-	30	8,400	12,600	-	12,600	3.69	21,000	6.15	25,000	7.33	1,140	1,800	2,330
	3Unit	7	7	7	21	7,000	7,000	7,000	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750
7		7	9	23	6,391	6,391	8,217	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
7		9	9	25	5,880	7,560	7,560	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
7		7	12	26	5,654	5,654	9,692	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
9		9	9	27	7,000	7,000	7,000	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
7		9	12	28	5,250	6,750	9,000	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
9		9	12	30	6,300	6,300	8,400	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
7		12	12	31	4,742	8,129	8,129	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
7		7	18	32	4,594	4,594	11,813	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250
9		12	12	33	5,727	7,636	7,636	12,600	3.69	21,000	6.15	25,000	7.33	1,120	1,750	2,250

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

FM21AH UE3

Operation	Combination (kBtu/h)				Heating											
					Each Capacity (Btu/h)			Total Capacity						Input (W)		
	Unit-A	Unit-B	Unit-C	Total	Unit-A	Unit-B	Unit-C	Min		Rated		Max		Min	Rated	Max
1 Unit	7	-	-	7	8,400	-	-	7,560	2.22	8,400	2.46	9,240	2.71	888	1,040	1,120
	9	-	-	9	10,800	-	-	7,560	2.22	10,800	3.16	11,880	3.48	888	1,230	1,330
	12	-	-	12	13,200	-	-	7,920	2.32	13,200	3.87	14,520	4.25	1,000	1,430	1,540
	18	-	-	18	21,600	-	-	12,960	3.80	21,600	6.33	23,760	6.96	1,130	1,620	1,750
2 Unit	7	7	-	14	8,400	8,400	-	10,080	2.95	16,800	4.92	18,480	5.42	1,020	1,460	1,680
	7	9	-	16	8,400	10,800	-	11,520	3.38	19,200	5.63	21,120	6.19	1,100	1,570	1,810
	9	9	-	18	10,800	10,800	-	12,960	3.80	21,600	6.33	23,760	6.96	1,180	1,680	1,940
	7	12	-	19	8,400	14,400	-	13,680	4.01	22,800	6.68	25,080	7.35	1,250	1,790	2,070
	9	12	-	21	10,286	13,714	-	14,400	4.22	24,000	7.03	26,500	7.77	1,370	1,960	2,260
	12	12	-	24	12,000	12,000	-	14,400	4.22	24,000	7.03	26,500	7.77	1,370	1,960	2,260
	7	18	-	25	6,720	17,280	-	14,400	4.22	24,000	7.03	26,500	7.77	1,370	1,960	2,260
	9	18	-	27	8,000	16,000	-	14,400	4.22	24,000	7.03	26,500	7.77	1,370	1,940	2,260
	12	18	-	30	9,600	14,400	-	14,400	4.22	24,000	7.03	26,500	7.77	1,370	1,930	2,260
	3Unit	7	7	7	21	8,000	8,000	8,000	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880
7		7	9	23	7,304	7,304	9,391	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
7		9	9	25	6,720	8,640	8,640	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
7		7	12	26	6,462	6,462	11,077	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
9		9	9	27	8,000	8,000	8,000	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
7		9	12	28	6,000	7,714	10,286	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
9		9	12	30	7,200	7,200	9,600	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
7		12	12	31	5,419	9,290	9,290	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
7		7	18	32	5,250	5,250	13,500	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250
9		12	12	33	6,545	8,727	8,727	14,400	4.22	24,000	7.03	26,500	7.77	1,320	1,880	2,250

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

FM25AH UE3

Operation	Combination of Indoor Unit (kBtu/h)					Cooling												
						Each Capacity				Total Capacity						Input (W)		
						UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Min		Rating		Max		Min	Rated	Max
1 Unit	7				7	7,000	-	-	-	6,300	1.9	7,000	2.1	7,700	2.3	720	740	760
	9				9	9,000	-	-	-	6,300	1.9	9,000	2.6	9,900	2.9	720	780	850
	12				12	12,000	-	-	-	7,200	2.1	12,000	3.5	13,200	3.9	672	1,120	1,340
	18				18	18,000	-	-	-	10,800	3.2	18,000	5.3	19,800	5.8	1,002	1,670	1,750
	24				24	24,000	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,230	2,050	2,750
2 Unit	7	7			14	7,000	7,000	-	-	8,400	2.5	14,000	4.1	15,400	4.5	756	1,260	1,390
	7	9			16	7,000	9,000	-	-	9,600	2.8	16,000	4.7	17,600	5.2	876	1,460	1,550
	9	9			18	9,000	9,000	-	-	10,800	3.2	18,000	5.3	19,800	5.8	1,002	1,670	1,750
	7	12			19	7,000	12,000	-	-	11,400	3.4	19,000	5.6	20,900	6.1	1,008	1,680	1,820
	9	12			21	9,000	12,000	-	-	12,600	3.7	21,000	6.2	23,100	6.8	1,044	1,740	1,940
	12	12			24	11,500	11,500	-	-	13,800	4.1	23,000	7.0	25,500	7.5	1,194	1,990	2,380
	7	18			25	6,720	17,280	-	-	14,400	4.2	24,000	7.0	26,500	7.8	1,284	2,140	2,570
	9	18			27	8,000	16,000	-	-	14,400	4.2	24,000	7.0	27,500	8.1	1,284	2,140	2,680
	12	18			30	9,600	14,400	-	-	14,400	4.2	24,000	7.0	28,800	8.5	1,284	2,140	2,730
	7	24			31	5,419	18,581	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
	9	24			33	6,545	17,455	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
	18	18			36	12,000	12,000	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
	12	24			36	8,000	16,000	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
3Unit	7	7	7	7	21	7,000	7,000	7,000	-	12,600	3.7	21,000	6.2	23,100	6.8	1,044	1,740	1,940
	7	7	9	9	23	7,000	7,000	9,000	-	13,800	4.1	23,000	6.7	25,300	7.4	1,152	1,920	2,130
	7	9	9	9	25	6,720	8,640	8,640	-	14,400	4.2	24,000	7.3	26,500	7.8	1,200	2,000	2,570
	7	7	12	12	26	6,462	6,462	11,077	-	14,400	4.2	24,000	7.3	27,000	7.9	1,200	2,000	2,570
	9	9	9	9	27	8,000	8,000	8,000	-	14,400	4.2	24,000	7.3	27,500	8.1	1,200	2,000	2,680
	7	9	12	12	28	6,000	7,714	10,286	-	14,400	4.2	24,000	7.3	28,500	8.4	1,200	2,000	2,680
	9	9	12	12	30	7,200	7,200	9,600	-	14,400	4.2	24,000	7.3	29,000	8.5	1,200	2,000	2,680
	7	12	12	12	31	5,419	9,290	9,290	-	14,400	4.2	24,000	7.3	29,000	8.5	1,200	2,000	2,680
	7	7	18	18	32	5,250	5,250	13,500	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	9	12	12	12	33	6,545	8,727	8,727	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	7	9	18	18	34	4,941	6,353	12,706	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	12	12	12	12	36	8,000	8,000	8,000	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	9	9	18	18	36	6,000	6,000	12,000	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	7	12	18	18	37	4,541	7,784	11,676	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	7	7	24	24	38	4,421	4,421	15,158	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	9	12	18	18	39	5,538	7,385	11,077	-	14,400	4.2	24,000	7.3	29,000	8.5	1,230	2,050	2,750
	4Unit	7	7	7	7	28	6,000	6,000	6,000	6,000	14,400	4.2	24,000	7.3	28,500	8.4	1,194	1,990
7		7	7	7	30	5,600	5,600	5,600	7,200	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
7		7	9	9	32	5,250	5,250	6,750	6,750	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
7		7	7	7	33	5,091	5,091	5,091	8,727	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
7		9	9	9	34	4,941	6,353	6,353	6,353	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
7		7	9	9	35	4,800	4,800	6,171	8,229	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
9		9	9	9	36	6,000	6,000	6,000	6,000	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
7		9	9	9	37	4,541	5,838	5,838	7,784	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
7		7	12	12	38	4,421	4,421	7,579	7,579	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
9		9	9	9	39	5,538	5,538	5,538	7,385	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730
7		7	7	7	39	4,308	4,308	4,308	11,077	14,400	4.2	24,000	7.3	29,000	8.5	1,194	1,990	2,730

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

FM25AH UE3

Operation	Combination of Indoor Unit (kBtu/h)					Heating												
						Each Capacity				Total Capacity						Input (W)		
						UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Min		Rating		Max		Min	Rated	Max
1 Unit	7				7	8,000	-	-	-	7,560	2.2	8,000	2.4	8,800	3.0	880	1,050	1,260
	9				9	10,000	-	-	-	7,560	2.2	10,000	2.9	10,900	3.2	880	1,050	1,260
	12				12	13,200	-	-	-	7,920	2.3	13,200	3.9	14,500	4.3	880	1,200	1,320
	18				18	19,800	-	-	-	11,880	3.5	19,800	5.8	21,800	6.4	1,200	2,000	2,370
	24				24	25,400	-	-	-	15,240	4.5	25,400	7.5	26,600	7.8	1,368	2,280	2,500
2 Unit	7	7			14	8,400	8,400	-	-	10,080	3.0	16,800	4.9	18,500	5.4	918	1,530	1,470
	7	9			16	8,400	10,800	-	-	11,520	3.4	19,200	5.6	21,100	6.2	1,038	1,730	1,690
	9	9			18	10,800	10,800	-	-	12,960	3.8	21,600	6.4	23,700	7.0	1,200	2,000	2,200
	7	12			19	8,400	14,400	-	-	13,680	4.0	22,800	6.7	25,000	7.4	1,212	2,020	2,200
	9	12			21	10,800	14,400	-	-	15,120	4.4	25,200	7.4	27,700	8.1	1,260	2,100	2,260
	12	12			24	13,800	13,800	-	-	16,560	4.9	27,600	8.1	30,000	8.8	1,368	2,280	2,500
	7	18			25	7,784	20,016	-	-	16,680	4.9	27,800	8.2	30,000	8.8	1,428	2,380	2,740
	9	18			27	9,600	19,200	-	-	17,280	5.1	28,800	8.5	31,500	9.3	1,428	2,380	2,740
	12	18			30	11,520	17,280	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	7	24			31	6,503	22,297	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	9	24			33	7,855	20,945	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	18	18			36	14,400	14,400	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	12	24			36	9,600	19,200	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
3Unit	7	7	7		21	8,400	8,400	8,400	-	15,120	4.4	25,200	7.4	27,700	8.1	1,260	2,100	2,260
	7	7	9		23	8,400	8,400	10,800	-	16,560	4.9	27,600	8.1	30,000	8.8	1,278	2,130	2,430
	7	9	9		25													

FM27AH UE3

Operation	Combination of Indoor Unit (kBTU/h)						Cooling													
							Each Capacity					Total Capacity						Input (W)		
							UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	UNIT-E(Btu/h)	Min	Rating		Max		Min	Rated	Max	
1 Unit	7					7	7,000	-	-	-	-	6,300	1.9	7,000	2.1	7,700	2.3	720	740	1,001
	9					9	9,000	-	-	-	-	6,300	1.9	9,000	2.6	9,900	2.9	720	834	1,285
	12					12	12,000	-	-	-	-	7,200	2.1	12,000	3.5	13,200	3.9	774	1,106	1,703
	18					18	18,000	-	-	-	-	10,800	3.2	18,000	5.3	19,800	5.8	1,209	1,727	2,659
	24					24	24,000	-	-	-	-	14,400	4.2	24,000	7.1	25,500	7.5	1,446	2,066	3,182
2 Unit	7	7				14	7,000	7,000	-	-	-	8,400	2.5	14,000	4.1	16,100	4.7	834	1,232	1,897
	7	9				16	7,000	9,000	-	-	-	9,600	2.8	16,000	4.7	18,400	5.4	1,094	1,368	2,106
	9	9				18	9,000	9,000	-	-	-	10,800	3.2	18,000	5.3	20,700	6.1	1,265	1,581	2,435
	7	12				19	7,000	12,000	-	-	-	11,400	3.4	19,000	5.6	20,900	6.1	1,311	1,639	2,525
	9	12				21	9,000	12,000	-	-	-	12,600	3.7	21,000	6.2	23,100	6.8	1,490	1,862	2,868
	12	12				24	12,000	12,000	-	-	-	14,400	4.2	24,000	7.1	26,400	7.8	1,575	1,969	3,032
	7	18				25	7,000	18,000	-	-	-	15,000	4.4	25,000	7.4	27,500	8.1	1,699	2,400	3,271
	9	18				27	8,333	16,667	-	-	-	15,000	4.4	25,000	7.4	27,500	8.1	1,738	2,450	3,346
	12	18				30	10,800	16,200	-	-	-	16,200	4.8	27,000	7.9	29,700	8.7	1,738	2,500	3,346
	7	24				31	5,645	19,355	-	-	-	15,000	4.4	25,000	7.4	27,500	8.1	1,738	2,500	3,346
	9	24				33	6,818	18,182	-	-	-	15,000	4.4	25,000	7.4	27,500	8.1	1,738	2,500	3,346
	18	18				36	13,500	13,500	-	-	-	16,200	4.8	27,000	7.9	29,700	8.7	1,738	2,500	3,346
	12	24				36	9,000	18,000	-	-	-	16,200	4.8	27,000	7.9	29,700	8.7	1,738	2,500	3,346
3Unit	7	7	7			21	7,000	7,000	7,000	-	-	12,600	3.7	21,000	6.2	24,150	7.1	1,490	1,862	2,868
	7	7	9			23	7,000	7,000	9,000	-	-	13,800	4.1	23,000	6.8	26,450	7.8	1,575	1,969	3,032
	7	9	9			25	7,000	9,000	9,000	-	-	15,000	4.4	25,000	7.4	28,750	8.5	1,630	2,037	3,137
	7	7	12			26	7,000	7,000	12,000	-	-	15,600	4.6	26,000	7.6	29,900	8.8	1,661	2,076	3,197
	9	9	9			27	9,000	9,000	9,000	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	7	9	12			28	6,750	8,679	11,571	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	9	9	12			30	8,100	8,100	10,800	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	7	12	12			31	6,097	10,452	10,452	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	7	7	18			32	5,906	5,906	15,188	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	9	12	12			33	7,364	9,818	9,818	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	7	9	18			34	5,559	7,147	14,294	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	12	12	12			36	9,000	9,000	9,000	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	9	9	18			36	6,750	6,750	13,500	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	7	12	18			37	5,108	8,757	13,135	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	7	7	24			38	4,974	4,974	17,053	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	9	12	18			39	6,231	8,308	12,462	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
	7	9	24			40	4,725	6,075	16,200	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,661	2,076	3,197
4Unit	7	7	7	7		28	6,750	6,750	6,750	6,750	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	7	7	9		30	6,300	6,300	6,300	8,100	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	7	9	9		32	5,906	5,906	7,594	7,594	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	7	7	12		33	5,727	5,727	5,727	9,818	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	9	9	9		34	5,559	7,147	7,147	7,147	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	7	9	12		35	5,400	5,400	6,943	9,257	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	9	9	9	9		36	6,750	6,750	6,750	6,750	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	9	9	12		37	5,108	6,568	6,568	8,757	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	7	12	12		38	4,974	4,974	8,526	8,526	-	16,200	4.8	27,000	7.9	31,050	9.1	1,630	2,037	3,137
	9	9	9	12		39	6,231	6,231	6,231	8,308	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	7	7	18		39	4,846	4,846	4,846	12,462	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137
	7	9	12	12		40	4,725	6,075	8,100	8,100	-	16,200	4.8	27,000	7.9	31,050	9.1	1,630	2,037	3,137
	7	7	9	18		41	4,610	4,610	5,927	11,854	-	16,200	4.8	27,000	7.9	32,400	9.5	1,630	2,037	3,137

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.

FM27AH UE3

Operation	Combination of Indoor Unit (kBTU/h)						Heating													
							Each Capacity					Total Capacity						Input (W)		
							UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	UNIT-E(Btu/h)	Min	Rating		Max		Min	Rated	Max	
1 Unit	7					7	8,000	-	-	-	-	7,560	2.2	8,000	2.4	8,800	2.6	880	900	1,170
	9					9	10,000	-	-	-	-	7,560	2.2	10,000	2.9	11,000	3.2	978	1,222	1,638
	12					12	13,200	-	-	-	-	7,920	2.3	13,200	3.9	14,520	4.3	1,273	1,591	2,132
	18					18	19,800	-	-	-	-	11,880	3.5	19,800	5.8	21,780	6.4	1,606	2,008	2,691
	24					24	25,400	-	-	-	-	15,240	4.5	25,400	7.5	26,600	7.8	1,746	2,183	2,925
2 Unit	7	7				14	8,400	8,400	-	-	-	10,080	3.0	16,800	4.9	19,320	5.7	1,249	1,562	2,093
	7	9				16	8,400	10,800	-	-	-	11,520	3.4	19,200	5.6	22,080	6.5	1,366	1,707	2,288
	9	9				18	10,800	10,800	-	-	-	12,960	3.8	21,600	6.4	24,840	7.3	1,606	2,008	2,691
	7	12				19	8,400	14,400	-	-	-	13,680	4.0	22,800	6.7	25,080	7.4	1,653	2,066	2,769
	9	12				21	10,800	14,400	-	-	-	15,120	4.4	25,200	7.4	27,720	8.1	1,699	2,124	2,847
	12	12				24	14,400	14,400	-	-	-	17,280	5.1	28,800	8.5	31,680	9.3	1,746	2,183	2,925
	7	18				25	8,400	21,600	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,855	2,330	3,107
	9	18				27	10,333	20,667	-	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,855	2,512	3,107
	12	18				30	12,400	18,600	-	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,855	2,500	3,107
	7	24				31	7,000	24,000	-	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,855	2,555	3,107
	9	24				33	8,455	22,545	-	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,855	2,555	3,107
	18	18				36	15,500	15,500	-	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,855	2,450	3,107
	12	24				36	10,333	20,667	-	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,855	2,450	3,107
3Unit	7	7	7			21	8,400													

FM30AH UE3

Operation	Combination of Indoor Unit (kBTU/h)						Cooling														
							Each Capacity					Total Capacity						Input (W)			
							UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	UNIT-E(Btu/h)	Rating		Max		Min	Rated	Max			
1 Unit	7					7	7,000	-	-	-	-	6,300	1.9	7,000	2.1	7,700	2.3	7,200	740	1,077	
	9					9	9,000	-	-	-	-	6,300	1.9	9,000	2.6	9,900	2.9	7,200	834	1,165	
	12					12	12,000	-	-	-	-	7,200	2.1	12,000	3.5	13,200	3.9	7,740	1,106	1,510	
	18					18	18,000	-	-	-	-	10,800	3.2	18,000	5.3	19,800	5.8	12,029	1,727	2,528	
	24					24	24,000	-	-	-	-	14,400	4.2	24,000	7.1	25,500	7.5	16,650	2,357	3,347	
2 Unit	7	7				14	7,000	7,000	-	-	-	8,400	2.5	14,000	4.1	16,100	4.7	834	1,232	1,678	
	7	9				16	7,000	9,000	-	-	-	9,600	2.8	16,000	4.7	18,400	5.4	1,094	1,368	2,106	
	9	9				18	9,000	9,000	-	-	-	10,800	3.2	18,000	5.3	20,700	6.1	1,265	1,581	2,435	
	7	12				19	7,000	12,000	-	-	-	11,400	3.4	19,000	5.6	20,900	6.1	1,311	1,639	2,525	
	9	12				21	9,000	12,000	-	-	-	12,600	3.7	21,000	6.2	23,100	6.8	1,490	1,862	2,868	
	12	12				24	12,000	12,000	-	-	-	14,400	4.2	24,000	7.1	26,400	7.8	1,653	2,066	3,182	
	7	18				25	7,000	18,000	-	-	-	15,000	4.4	25,000	7.4	28,750	8.5	1,746	2,183	3,361	
	9	18				27	9,000	18,000	-	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,893	2,367	3,645	
	12	18				30	12,000	18,000	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,809	
	7	24				31	6,774	23,226	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834	
	9	24				33	8,182	21,818	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834	
	18	18				36	15,000	15,000	-	-	-	18,000	5.3	30,000	8.8	34,500	10.1	1,979	2,474	3,834	
	12	24				36	10,000	20,000	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834	
	18	24				42	12,857	17,143	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834	
	24	24				48	15,000	15,000	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834	
	3Unit	7	7	7			21	7,000	7,000	7,000	-	-	12,600	3.7	21,000	6.2	24,150	7.1	1,490	1,862	2,872
		7	7	9			23	7,000	7,000	9,000	-	-	13,800	4.1	23,000	6.8	26,450	7.8	1,575	1,969	3,288
		7	9	9			25	7,000	9,000	9,000	-	-	15,000	4.4	25,000	7.4	28,750	8.5	1,746	2,183	3,557
		7	7	12			26	7,000	7,000	12,000	-	-	15,600	4.6	26,000	7.6	29,900	8.8	1,800	2,250	3,601
		9	9	9			27	9,000	9,000	9,000	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,893	2,367	3,787
		7	9	12			28	7,000	9,000	12,000	-	-	16,800	4.9	28,000	8.2	32,200	9.5	1,909	2,386	3,818
		9	9	12			30	9,000	9,000	12,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
		7	12	12			31	6,774	11,613	11,613	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
		7	7	18			32	6,563	6,563	16,875	-	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,896
9		12	12			33	8,182	10,909	10,909	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
7		9	18			34	6,176	7,941	15,882	-	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,896	
12		12	12			36	10,000	10,000	10,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
9		9	18			36	7,500	7,500	15,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
7		12	18			37	5,676	9,730	14,595	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
7		7	24			38	5,526	5,526	18,947	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
9		12	18			39	6,923	9,231	13,846	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
7		9	24			40	5,250	6,750	18,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
12		12	18			42	8,571	8,571	12,857	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
9		9	24			42	6,429	6,429	17,143	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
7		18	18			43	4,884	12,558	12,558	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
7		12	24			43	4,884	8,372	16,744	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
9		18	18			45	6,000	12,000	12,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
9		12	24			45	6,000	8,000	16,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
12		18	18			48	7,500	11,250	11,250	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
12		12	24			48	7,500	7,500	15,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896	
4Unit		7	7	7	7		28	7,000	7,000	7,000	7,000	-	16,800	4.9	28,000	8.2	33,600	9.9	1,948	2,435	3,870
		7	7	9	9		30	7,000	7,000	9,000	-	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	7	9	9		32	6,563	6,563	8,438	8,438	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	7	7	12		33	6,364	6,364	6,364	10,909	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	9	9	9		34	6,176	7,941	7,941	7,941	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	7	9	12		35	6,000	6,000	7,714	10,286	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		9	9	9	9		36	7,500	7,500	7,500	7,500	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	9	9	12		37	5,676	7,297	7,297	9,730	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	7	12	12		38	5,526	5,526	9,474	9,474	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
		9	9	9	12		39	6,923	6,923	6,923	9,231	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	7	18	18		39	5,385	5,385	5,385	13,846	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	9	12	12		40	5,250	6,750	9,000	9,000	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
		7	7	9	18		41	5,122	5,122	6,585	13,171	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		9	9	12	12		42	6,429	6,429	8,571	8,571	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	12	12	12		43	4,884	8,372	8,372	8,372	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
		7	9	9	18		43	4,884	6,279	6,279	12,558	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		7	7	12	18		44	4,773	4,773	8,182	12,275	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
		9	12	12	12		45	6,000	8,000	8,000	8,000	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
		9	9	9	18		45	6,000	6,000												

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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			
16	9,600	2.8	16,000	4.7	18,400	5.4	1,038	1,730	2,140
18	10,800	3.2	18,000	5.3	20,700	6.1	1,107	1,845	2,280
19	11,400	3.3	19,000	5.6	21,850	6.4	1,136	1,894	2,360
21	12,600	3.7	21,000	6.2	24,150	7.1	1,244	2,074	2,575
23	13,800	4.0	23,000	6.7	26,450	7.7	1,317	2,195	2,708
24	14,400	4.2	24,000	7.0	27,600	8.1	1,420	2,366	2,960
25	15,000	4.4	25,000	7.3	28,750	8.4	1,459	2,432	3,024
26	15,600	4.6	26,000	7.6	29,900	8.8	1,501	2,502	3,140
27	16,200	4.7	27,000	7.9	31,050	9.1	1,536	2,560	3,190
28	16,800	4.9	28,000	8.2	32,200	9.4	1,593	2,655	3,310
30	18,000	5.3	30,000	8.8	34,500	10.1	1,688	2,814	3,487
31	18,600	5.4	31,000	9.1	35,650	10.4	1,696	2,826	3,524
32	19,200	5.6	32,000	9.4	36,800	10.8	1,755	2,925	3,640
33	19,800	5.8	33,000	9.7	37,950	11.1	1,788	2,980	3,712
34	20,400	6.0	34,000	10.0	39,100	11.5	1,872	3,120	3,820
35	21,000	6.2	35,000	10.3	40,250	11.8	1,944	3,240	4,068
36	21,600	6.3	36,000	10.5	41,400	12.1	2,020	3,366	4,232
37	22,200	6.5	37,000	10.8	42,550	12.5	2,106	3,510	4,410
38	22,800	6.7	38,000	11.1	43,700	12.8	2,144	3,574	4,500
39	23,400	6.9	39,000	11.4	44,850	13.1	2,173	3,621	4,570
40	24,000	7.0	40,000	11.7	45,000	13.5	2,178	3,630	4,652
41	24,000	7.0	40,000	11.7	45,000	13.5	2,190	3,650	4,652
42	24,000	7.0	40,000	11.7	45,000	13.5	2,190	3,650	4,652
43	24,000	7.0	40,000	11.7	46,000	13.5	2,190	3,650	4,652
44	24,000	7.0	40,000	11.7	46,000	13.5	2,190	3,650	4,652
45	24,000	7.0	40,000	11.7	46,000	13.5	2,190	3,650	4,652
46	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
47	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
48	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
49	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
50	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
51	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
52	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652

Note :
 1.Cooling Capacity is based on : indoor temp.27°C DB, 19°.. WB; outdoor temp. 35°C DB
 2.Heating Capacity is based on : indoor temp.20°C DB; outdoor temp. 7°C DB, 6°C WB
 3.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.
 4.Total capacity index of indoor unit should be within 16-52 Btu/h(40%-130%)
 5.At least two indoor units should be connected.

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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			
16	11,040	3.2	18,400	5.4	20,424	6.0	1,428	2,380	2,642
18	12,420	3.6	20,700	6.1	22,977	6.7	1,562	2,604	2,860
19	13,110	3.8	21,850	6.4	24,254	7.1	1,638	2,730	3,004
21	14,490	4.2	24,150	7.1	26,807	7.9	1,728	2,880	3,292
23	15,870	4.6	26,450	7.7	29,360	8.6	1,749	2,915	3,346
24	16,560	4.9	27,600	8.1	30,636	9.0	1,809	3,015	3,412
25	17,250	5.1	28,750	8.4	31,913	9.4	1,859	3,098	3,540
26	17,940	5.3	29,900	8.8	33,189	9.7	1,958	3,264	3,705
27	18,630	5.5	31,050	9.1	34,466	10.1	2,009	3,349	3,818
28	19,320	5.7	32,200	9.4	35,742	10.5	2,055	3,425	3,980
30	20,700	6.1	34,500	10.1	38,295	11.2	2,074	3,456	4,165
31	21,390	6.3	35,650	10.4	39,572	11.6	2,090	3,483	4,234
32	22,080	6.5	36,800	10.8	40,848	12.0	2,110	3,517	4,312
33	22,770	6.7	37,950	11.1	42,125	12.3	2,143	3,571	4,464
34	23,460	6.9	39,100	11.5	43,401	12.7	2,162	3,604	4,585
35	24,150	7.1	40,250	11.8	44,678	13.1	2,167	3,612	4,606
36	24,840	7.3	41,400	12.1	45,954	13.5	2,182	3,636	4,655
37	25,530	7.5	42,550	12.5	47,231	13.8	2,186	3,644	4,745
38	26,220	7.7	43,700	12.8	48,507	14.2	2,190	3,650	4,770
39	26,910	7.9	44,850	13.1	49,784	14.6	2,204	3,674	4,811
40	27,600	8.1	46,000	13.5	50,000	14.7	2,220	3,700	4,843
41	27,600	8.1	46,000	13.5	50,000	14.7	2,220	3,700	4,843
42	27,600	8.1	46,000	13.5	50,000	14.7	2,220	3,700	4,843
43	27,600	8.1	46,000	13.5	50,000	14.7	2,220	3,700	4,843
44	27,600	8.1	46,000	13.5	50,000	14.7	2,220	3,700	4,843
45	27,600	8.1	46,000	13.5	50,000	14.7	2,220	3,700	4,843
46	27,600	8.1	46,000	13.5	51,000	14.9	2,220	3,700	4,843
47	27,600	8.1	46,000	13.5	51,000	14.9	2,190	3,650	4,843
48	27,600	8.1	46,000	13.5	51,000	14.9	2,190	3,650	4,843
49	27,600	8.1	46,000	13.5	51,000	14.9	2,190	3,650	4,843
50	27,600	8.1	46,000	13.5	51,000	14.9	2,190	3,650	4,843
51	27,600	8.1	46,000	13.5	51,000	14.9	2,190	3,650	4,843
52	27,600	8.1	46,000	13.5	51,000	14.9	2,190	3,650	4,843

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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			
16	9,600	2.8	16,000	4.7	18,400	5.4	1,038	1,730	2,140
18	10,800	3.2	18,000	5.3	20,700	6.1	1,107	1,845	2,280
19	11,400	3.3	19,000	5.6	21,850	6.4	1,136	1,894	2,360
21	12,600	3.7	21,000	6.2	24,150	7.1	1,244	2,074	2,575
23	13,800	4.0	23,000	6.7	26,450	7.7	1,317	2,195	2,708
24	14,400	4.2	24,000	7.0	27,600	8.1	1,420	2,366	2,960
25	15,000	4.4	25,000	7.3	28,750	8.4	1,459	2,432	3,024
26	15,600	4.6	26,000	7.6	29,900	8.8	1,501	2,502	3,140
27	16,200	4.7	27,000	7.9	31,050	9.1	1,536	2,560	3,190
28	16,800	4.9	28,000	8.2	32,200	9.4	1,593	2,655	3,310
30	18,000	5.3	30,000	8.8	34,500	10.1	1,688	2,814	3,487
31	18,600	5.4	31,000	9.1	35,650	10.4	1,696	2,826	3,524
32	19,200	5.6	32,000	9.4	36,800	10.8	1,755	2,925	3,640
33	19,800	5.8	33,000	9.7	37,950	11.1	1,788	2,980	3,712
34	20,400	6.0	34,000	10.0	39,100	11.5	1,872	3,120	3,820
35	21,000	6.2	35,000	10.3	40,250	11.8	1,944	3,240	4,068
36	21,600	6.3	36,000	10.5	41,400	12.1	2,020	3,366	4,232
37	22,200	6.5	37,000	10.8	42,550	12.5	2,106	3,510	4,410
38	22,800	6.7	38,000	11.1	43,700	12.8	2,144	3,574	4,500
39	23,400	6.9	39,000	11.4	44,850	13.1	2,173	3,621	4,570
40	24,000	7.0	40,000	11.7	45,000	13.5	2,178	3,630	4,652
41	24,000	7.0	40,000	11.7	45,000	13.5	2,190	3,650	4,652
42	24,000	7.0	40,000	11.7	45,000	13.5	2,190	3,650	4,652
43	24,000	7.0	40,000	11.7	46,000	13.5	2,190	3,650	4,652
44	24,000	7.0	40,000	11.7	46,000	13.5	2,190	3,650	4,652
45	24,000	7.0	40,000	11.7	46,000	13.5	2,190	3,650	4,652
46	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
47	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
48	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
49	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
50	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
51	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652
52	24,000	7.0	40,000	11.7	46,000	13.5	2,178	3,630	4,652

Note :
 1.Cooling Capacity is based on : indoor temp.27°C DB, 19°.. WB; outdoor temp. 35°C DB
 2.Heating Capacity is based on : indoor temp.20°C DB; outdoor temp. 7°C DB, 6°C WB
 3.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.
 4.Total capacity index of indoor unit should be within 16-52 Btu/h(40%-130%)
 5.At least two indoor units should be connected.

FM40AH UH3

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			
16	11,040	3.2	18,400	5.4	20,424	6.0	1,428	2,380	2,642
18	12,420	3.6	20,700	6.1	22,977	6.7	1,562	2,604	2,860
19	13,110	3.8	21,850	6.4	24,254	7.1	1,638	2,730	3,004
21	14,490	4.2	24,150	7.1	26,807	7.9	1,728	2,880	3,292
23	15,870	4.6	26,450	7.7	29,360	8.6	1,749	2,915	3,346
24	16,560	4.9	27,600	8.1	30,636	9.0	1,809	3,015	3,412
25	17,250	5.1	28,750	8.4	31,913	9.4	1,859	3,098	3,540
26	17,940	5.3	29,900	8.8	33,189	9.7	1,958	3,264	3,705
27	18,630	5.5	31,050	9.1	34,466	10.1			

FM48AH U33

Total Indoor Unit Capacity(kBtu/h)	Cooling Capacity						Input(W)		
	Min		Rating		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
19	11,400	3.3	19,000	5.6	20,900	6.1	841	1,401	1,611
20	12,000	3.5	20,000	5.9	22,000	6.4	883	1,472	1,693
21	12,600	3.7	21,000	6.2	23,100	6.8	926	1,543	1,774
22	13,200	3.9	22,000	6.4	24,200	7.1	968	1,614	1,856
23	13,800	4.0	23,000	6.7	25,300	7.4	1,011	1,684	1,937
24	14,400	4.2	24,000	7.0	26,400	7.7	1,053	1,755	2,019
25	15,000	4.4	25,000	7.3	27,500	8.1	1,096	1,826	2,100
26	15,600	4.6	26,000	7.6	28,600	8.4	1,161	1,935	2,225
27	16,200	4.7	27,000	7.9	29,610	8.7	1,227	2,044	2,351
28	16,800	4.9	28,000	8.2	30,670	9.0	1,292	2,153	2,476
29	17,400	5.1	29,000	8.5	31,720	9.3	1,357	2,262	2,602
30	18,000	5.3	30,000	8.8	32,780	9.6	1,423	2,372	2,727
31	18,600	5.5	31,000	9.1	33,830	9.9	1,488	2,481	2,853
32	19,200	5.6	32,000	9.4	34,890	10.2	1,554	2,590	2,978
33	19,800	5.8	33,000	9.7	35,940	10.5	1,619	2,699	3,104
34	20,400	6.0	34,000	10.0	37,000	10.8	1,685	2,808	3,229
35	21,000	6.2	35,000	10.3	38,050	11.2	1,750	2,917	3,355
36	21,600	6.3	36,000	10.5	39,600	11.6	1,816	3,026	3,480
37	22,200	6.5	37,000	10.8	40,700	11.9	1,859	3,099	3,564
38	22,800	6.7	38,000	11.1	41,800	12.2	1,903	3,172	3,648
39	23,400	6.9	39,000	11.4	42,900	12.6	1,947	3,245	3,732
40	24,000	7.0	40,000	11.7	44,000	12.9	1,991	3,318	3,816
41	24,600	7.2	41,000	12.0	46,100	13.5	2,035	3,391	3,900
42	25,200	7.4	42,000	12.3	46,850	13.7	2,121	3,536	4,066
43	25,800	7.6	43,000	12.6	47,590	13.9	2,208	3,680	4,232
44	26,400	7.7	44,000	12.9	48,340	14.2	2,295	3,824	4,398
45	27,000	7.9	45,000	13.2	49,080	14.4	2,381	3,969	4,564
46	27,600	8.1	46,000	13.5	49,830	14.6	2,468	4,113	4,730
47	28,200	8.3	47,000	13.8	50,570	14.8	2,554	4,257	4,896
48	28,800	8.4	48,000	14.1	52,800	15.5	2,712	4,520	5,062
49	29,400	8.6	48,343	14.2	53,177	15.6	2,712	4,520	5,062
50	30,000	8.8	48,686	14.3	53,554	15.7	2,720	4,533	5,077
51	30,600	9.0	49,029	14.4	53,931	15.8	2,728	4,546	5,077
52	31,200	9.1	49,372	14.5	54,308	15.9	2,735	4,559	5,106
53	31,800	9.3	49,715	14.6	54,685	16.0	2,743	4,572	5,121
54	32,400	9.5	50,058	14.7	55,062	16.1	2,751	4,585	5,135
55	33,000	9.7	50,401	14.8	55,439	16.2	2,759	4,598	5,150
56	33,600	9.8	50,744	14.9	55,816	16.4	2,767	4,611	5,164
57	34,200	10.0	51,087	15.0	56,193	16.5	2,774	4,624	5,179
58	34,800	10.2	51,430	15.1	56,570	16.6	2,782	4,637	5,350
59	35,400	10.4	51,773	15.2	56,947	16.7	2,790	4,650	5,350
60	36,000	10.5	52,116	15.3	57,324	16.8	2,798	4,663	5,350
61	36,600	10.7	52,459	15.4	57,701	16.9	2,806	4,676	5,350
62	37,200	10.9	52,800	15.5	58,080	17.0	2,813	4,689	5,350

Note :
 1.Cooling Capacity is based on : indoor temp.27... DB, 19... WB; outdoor temp. 35... DB
 2.Heating Capacity is based on : indoor temp.20... DB; outdoor temp. 7... DB, 6... WB
 3.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.
 4.Total capacity index of indoor unit should be within 19-63 Btu/h(40%-130%)
 5.At least two indoor units should be connected.

FM48AH U33

Total Indoor Unit Capacity(kBtu/h)	Heating Capacity						Input(W)		
	Min		Rating		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
19	12,768	3.7	21,280	6.2	22,897	6.7	1,301	2,168	2,494
20	13,440	3.9	22,400	6.6	24,014	7.0	1,350	2,250	2,588
21	14,112	4.1	23,520	6.9	25,131	7.4	1,399	2,332	2,681
22	14,784	4.3	24,640	7.2	26,249	7.7	1,448	2,413	2,775
23	15,456	4.5	25,760	7.5	27,366	8.0	1,497	2,495	2,869
24	16,128	4.7	26,880	7.9	28,483	8.3	1,546	2,576	2,963
25	16,800	4.9	28,000	8.2	29,600	8.7	1,643	2,739	3,150
26	17,472	5.1	29,120	8.5	30,869	9.0	1,696	2,826	3,250
27	18,144	5.3	30,240	8.9	32,138	9.4	1,748	2,913	3,350
28	18,816	5.5	31,360	9.2	33,407	9.8	1,800	3,000	3,450
29	19,488	5.7	32,480	9.5	34,676	10.2	1,852	3,087	3,550
30	20,160	5.9	33,600	9.8	35,945	10.5	1,904	3,174	3,650
31	20,832	6.1	34,720	10.2	37,215	10.9	1,957	3,261	3,750
32	21,504	6.3	35,840	10.5	38,484	11.3	2,009	3,348	3,850
33	22,176	6.5	36,960	10.8	39,753	11.6	2,061	3,435	3,950
34	22,848	6.7	38,080	11.2	41,022	12.0	2,113	3,522	4,050
35	23,520	6.9	39,200	11.5	42,291	12.4	2,165	3,609	4,150
36	24,192	7.1	40,320	11.8	43,560	12.8	2,217	3,696	4,250
37	24,864	7.3	41,440	12.1	44,829	13.1	2,269	3,783	4,350
38	25,536	7.5	42,560	12.5	46,098	13.4	2,321	3,870	4,450
39	26,208	7.7	43,680	12.8	47,367	13.7	2,373	3,957	4,550
40	26,880	7.9	44,800	13.1	48,636	14.0	2,425	4,044	4,650
41	27,552	8.1	45,920	13.5	49,905	14.4	2,477	4,131	4,750
42	28,224	8.3	47,040	13.8	51,174	14.8	2,529	4,218	4,850
43	28,896	8.5	48,160	14.1	52,443	15.2	2,581	4,305	4,950
44	29,568	8.7	49,280	14.4	53,712	15.5	2,633	4,392	5,050
45	30,240	8.9	50,400	14.8	54,981	16.1	2,685	4,479	5,150
46	30,912	9.1	51,520	15.1	56,250	16.5	2,737	4,566	5,250
47	31,584	9.3	52,640	15.4	57,519	17.0	2,789	4,653	5,350
48	32,256	9.5	53,760	15.8	58,788	16.4	2,841	4,740	5,450
49	32,928	9.7	54,880	16.2	60,057	16.8	2,893	4,827	5,550
50	33,600	9.9	56,000	16.5	61,326	17.2	2,945	4,914	5,650
51	34,272	10.1	57,120	16.9	62,595	17.6	2,997	5,001	5,750
52	34,944	10.3	58,240	17.2	63,864	18.0	3,049	5,088	5,850
53	35,616	10.5	59,360	17.6	65,133	18.4	3,101	5,175	5,950
54	36,288	10.7	60,480	18.0	66,402	18.8	3,153	5,262	6,050
55	36,960	10.9	61,600	18.4	67,671	19.2	3,205	5,349	6,150
56	37,632	11.1	62,720	18.8	68,940	19.6	3,257	5,436	6,250
57	38,304	11.3	63,840	19.2	70,209	20.0	3,309	5,523	6,350
58	38,976	11.5	64,960	19.6	71,478	20.4	3,361	5,610	6,450
59	39,648	11.7	66,080	20.0	72,747	20.8	3,413	5,697	6,550
60	40,320	11.9	67,200	20.4	74,016	21.2	3,465	5,784	6,650
61	40,992	12.1	68,320	20.8	75,285	21.6	3,517	5,871	6,750
62	41,664	12.3	69,440	21.2	76,554	22.0	3,569	5,958	6,850

FM56AH U33

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			
23	13,800	4.0	23,000	6.7	25,300	7.4	1,011	1,684	1,937
24	14,400	4.2	24,000	7.0	26,400	7.7	1,053	1,755	2,019
25	15,000	4.4	25,000	7.3	28,000	8.2	1,096	1,826	2,100
26	15,600	4.6	26,000	7.6	29,060	8.5	1,161	1,935	2,225
27	16,200	4.7	27,000	7.9	30,110	8.8	1,227	2,044	2,351
28	16,800	4.9	28,000	8.2	31,170	9.1	1,292	2,153	2,476
29	17,400	5.1	29,000	8.5	32,220	9.4	1,357	2,262	2,602
30	18,000	5.3	30,000	8.8	33,280	9.8	1,423	2,372	2,727
31	18,600	5.5	31,000	9.1	34,330	10.1	1,488	2,481	2,853
32	19,200	5.6	32,000	9.4	35,390	10.4	1,554	2,590	2,978
33	19,800	5.8	33,000	9.7	36,440	10.7	1,619	2,699	3,104
34	20,400	6.0	34,000	10.0	37,500	11.0	1,685	2,808	3,229
35	21,000	6.2	35,000	10.3	38,550	11.3	1,750	2,917	3,355
36	21,600	6.3	36,000	10.5	39,600	11.6	1,816	3,026	3,480
37	22,200	6.5	37,000	10.8	40,700	11.9	1,859	3,099	3,564
38	22,800	6.7	38,000	11.1	41,800	12.2	1,903	3,172	3,648
39	23,400	6.9	39,000	11.4	42,900	12.6	1,947	3,245	3,732
40	24,000	7.0	40,000	11.7	44,000	12.9	1,991	3,318	3,816
41	24,600	7.2	41,000	12.0	46,100	13.5	2,035	3,391	3,900
42	25,200	7.4	42,000	12.3	46,850	13.7	2,083	3,472	3,993
43	25,800	7.6	43,000	12.6	47,590	13.9	2,132	3,553	4,086
44	26,400	7.7	44,000	12.9	48,340	14.2	2,180	3,634	4,179
45	27,000	7.9	45,000	13.2	49,080	14.4	2,229	3,714	4,271
46	27,600	8.1	46,000	13.5	49,830	14.6	2,277	3,795	4,364
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Combination Table



FM37AH UEO

Total Indoor Unit Capacity(kBtu/h)	Cooling Capacity						Current(A)			Input(W)		
	Min		Rating		Max		Min	Rated	Max	Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW						
16	9600	2.8	16000	4.7	17600	5.2	1.7	2.6	2.9	800	1333	1533
18	10800	3.2	18000	5.3	19800	5.8	1.8	2.9	3.2	900	1500	1725
19	11400	3.3	19000	5.6	20900	6.1	1.9	3.0	3.3	950	1583	1821
21	12600	3.7	21000	6.2	23100	6.8	2.1	3.3	3.6	1050	1750	2013
23	13800	4.0	23000	6.7	25300	7.4	2.3	3.6	4.0	1150	1917	2204
24	14400	4.2	24000	7.0	26400	7.7	2.4	3.7	4.2	1200	2000	2300
25	15000	4.4	25000	7.3	27500	8.1	2.5	3.8	4.3	1250	2083	2396
26	15600	4.6	26000	7.6	28600	8.4	2.5	4.0	4.5	1300	2167	2492
27	16200	4.7	27000	7.9	29700	8.7	2.6	4.1	4.6	1350	2250	2588
28	16800	4.9	28000	8.2	30800	9.0	2.7	4.3	4.8	1400	2333	2683
30	18000	5.3	30000	8.8	33000	9.7	2.9	4.5	5.1	1500	2500	2875
31	18300	5.4	30500	8.9	33550	9.8	3.0	4.7	5.3	1550	2583	2971
32	18600	5.5	31000	9.1	34100	10.0	3.1	4.8	5.4	1600	2667	3067
33	18900	5.5	31500	9.2	34650	10.2	3.2	5.0	5.6	1650	2750	3163
34	19200	5.6	32000	9.4	35200	10.3	3.3	5.1	5.8	1700	2833	3258
35	19500	5.7	32500	9.5	35750	10.5	3.3	5.2	5.9	1750	2917	3354
36	21600	6.3	33000	9.7	37000	10.8	3.4	5.4	6.0	1800	3000	3450
37	22200	6.5	33942	9.9	37336	10.9	3.5	5.4	6.0	1807	3012	3464
38	22800	6.7	34507	10.1	37958	11.1	3.5	5.4	6.1	1811	3019	3472
39	23400	6.9	34884	10.2	38373	11.2	3.5	5.4	6.1	1814	3024	3477
40	24000	7.0	35239	10.3	38763	11.4	3.5	5.4	6.1	1819	3032	3486
41	24600	7.2	35565	10.4	39121	11.5	3.5	5.4	6.1	1823	3038	3494
42	25200	7.4	35594	10.4	39153	11.5	3.5	5.5	6.1	1824	3040	3496
43	25800	7.6	35947	10.5	39542	11.6	3.5	5.5	6.1	1831	3051	3509
44	26400	7.7	36167	10.6	39784	11.7	3.5	5.5	6.1	1835	3059	3518
45	27000	7.9	36167	10.6	39784	11.7	3.5	5.5	6.1	1835	3059	3518
46	27600	8.1	36300	10.6	39930	11.7	3.5	5.5	6.2	1838	3063	3523

FM37AH UEO

Total Indoor Unit Capacity(kBtu/h)	Heating Capacity						Current(A)			Input(W)		
	Min		Rating		Max		Min	Rated	Max	Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW						
16	10752	3.2	17920	5.3	19712	5.8	1.7	2.6	2.9	813	1356	1559
18	12096	3.5	20160	5.9	22176	6.5	1.8	2.9	3.2	915	1525	1754
19	12768	3.7	21280	6.2	23408	6.9	1.9	3.0	3.4	966	1610	1851
21	14112	4.1	23520	6.9	25872	7.6	2.1	3.3	3.7	1068	1779	2046
23	15456	4.5	25760	7.5	28336	8.3	2.3	3.6	4.0	1169	1949	2241
24	16128	4.7	26880	7.9	29568	8.7	2.4	3.7	4.2	1220	2033	2338
25	16800	4.9	28000	8.2	30800	9.0	2.5	3.9	4.4	1271	2118	2436
26	17472	5.1	29120	8.5	32032	9.4	2.6	4.0	4.6	1322	2203	2533
27	18144	5.3	30240	8.9	33264	9.7	2.7	4.2	4.7	1373	2288	2631
28	18816	5.5	31360	9.2	34496	10.1	2.8	4.4	4.9	1423	2372	2728
30	20160	5.9	33600	9.8	36960	10.8	3.0	4.6	5.2	1525	2542	2923
31	20832	6.1	34720	10.2	38192	11.2	3.1	4.8	5.4	1576	2626	3020
32	21504	6.3	35840	10.5	39424	11.6	3.2	4.9	5.5	1627	2711	3118
33	21511	6.3	35851	10.5	39436	11.6	3.2	5.1	5.7	1678	2796	3215
34	22048	6.5	36747	10.8	40422	11.8	3.3	5.2	5.8	1728	2881	3313
35	22579	6.6	37632	11.0	41395	12.1	3.4	5.3	6.0	1779	2965	3410
36	22800	6.7	38000	11.1	42000	12.3	3.5	5.4	6.1	1830	3050	3508
37	23145	6.8	38576	11.3	42433	12.4	3.4	5.4	6.1	1822	3037	3493
38	23353	6.8	38921	11.4	42813	12.5	3.4	5.4	6.0	1818	3030	3484
39	23491	6.9	39151	11.5	43067	12.6	3.4	5.4	6.0	1815	3025	3478
40	23560	6.9	39267	11.5	43194	12.7	3.4	5.3	6.0	1800	3000	3449
41	23644	6.9	39406	11.5	43347	12.7	3.4	5.3	5.9	1790	2983	3430
42	23630	6.9	39383	11.5	43322	12.7	3.4	5.3	5.9	1785	2974	3421
43	23768	7.0	39613	11.6	43574	12.8	3.3	5.2	5.9	1762	2937	3377
44	23847	7.0	39744	11.6	43719	12.8	3.3	5.2	5.8	1747	2911	3348
45	23860	7.0	39767	11.7	43744	12.8	3.3	5.1	5.8	1742	2904	3339
46	23906	7.0	39843	11.7	43827	12.8	3.3	5.1	5.8	1739	2899	3334

Note :

- Cooling Capacity is based on : indoor temp.27°C DB, 19°C 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 22-73 Btu/h(40%-130%)
- At least two indoor units should be connected.

Combination Table



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Total Indoor Unit Capacity(kBtu/h)	Cooling Capacity						Input(W)		
	Min		Rating		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
16	9600	2.8	16000	4.7	17600	5.2	796	1327	1526
18	10800	3.2	18000	5.3	19800	5.8	893	1489	1712
19	11400	3.3	19000	5.6	20900	6.1	943	1572	1807
21	12600	3.7	21000	6.2	23100	6.8	1042	1737	1998
23	13800	4.0	23000	6.7	25300	7.4	1011	1684	1937
24	14400	4.2	24000	7.0	26400	7.7	1053	1755	2019
25	15000	4.4	25000	7.3	27500	8.1	1096	1826	2100
26	15600	4.6	26000	7.6	28600	8.4	1161	1935	2225
27	16200	4.7	27000	7.9	29700	8.7	1227	2044	2351
28	16800	4.9	28000	8.2	30800	9.0	1292	2153	2476
29	17400	5.1	29000	8.5	31900	9.3	1357	2262	2602
30	18000	5.3	30000	8.8	33000	9.7	1423	2372	2727
31	18600	5.5	31000	9.1	34100	10.0	1488	2481	2853
32	19200	5.6	32000	9.4	35200	10.3	1554	2590	2978
33	19800	5.8	33000	9.7	36300	10.6	1619	2699	3104
34	20400	6.0	34000	10.0	37400	11.0	1685	2808	3229
35	21000	6.2	35000	10.3	38500	11.3	1750	2917	3355
36	21600	6.3	36000	10.5	39600	11.6	1816	3026	3480
37	22200	6.5	37000	10.8	40700	11.9	1859	3099	3564
38	22800	6.7	38000	11.1	41800	12.2	1903	3172	3648
39	23400	6.9	39000	11.4	42900	12.6	1947	3245	3732
40	24000	7.0	40000	11.7	44000	12.9	1991	3318	3816
41	24600	7.2	41000	12.0	45100	13.2	2035	3391	3900
42	25200	7.4	42000	12.3	46200	13.5	2083	3472	3993
43	25400	7.4	42333	12.4	46167	13.5	2132	3553	4086
44	25600	7.5	42667	12.5	46333	13.6	2180	3634	4179
45	25800	7.6	43000	12.6	46500	13.6	2229	3714	4271
46	26000	7.6	43333	12.7	46667	13.7	2277	3795	4364
47	26200	7.7	43667	12.8	46833	13.7	2325	3876	4457
48	26400	7.7	44000	12.9	47000	13.8	2370	3950	4550
49	26600	7.8	44333	13.0	47167	13.8	2418	4030	4643
50	26800	7.9	44667	13.1	47333	13.9	2460	4100	4736
51	27000	7.9	45000	13.2	47500	13.9	2400	4000	4829
52	27200	8.0	45333	13.3	47667	14.0	2400	4000	4900
53	27400	8.0	45667	13.4	47833	14.0	2400	4000	4900
54	27600	8.1	46000	13.5	48000	14.1	2400	4000	4900

Note :

- Cooling Capacity is based on : indoor temp.27°C DB, 19°C 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.

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Total Indoor Unit Capacity(kBtu/h)	Heating Capacity						Input(W)		
	Min		Rating		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
16	10752	3.2	17920	5.3	19533	5.7	887	1478	1700
18	11880	3.5	19800	5.8	21582	6.3	975	1625	1868
19	12540	3.7	20900	6.1	22781	6.7	1029	1715	1972
21	13860	4.1	23100	6.8	25179	7.4	1137	1896	2180
23	15180	4.4	25300	7.4	27577	8.1	1355	2259	2869
24	15840	4.6	26400	7.7	28776	8.4	1400	2333	2963
25	16500	4.8	27500	8.1	29975	8.8	1488	2480	3150
26	17160	5.0	28600	8.4	31174	9.1	1535	2559	3250
27	17820	5.2	29700	8.7	32373	9.5	1579	2631	3342</

Combination Table



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Total Indoor Unit Capacity(kBtu/h)	Cooling Capacity						Input(W)		
	Min		Rating		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
19	11400	3.3	19000	5.6	20900	6.1	943	1572	1807
21	12600	3.7	21000	6.2	23100	6.8	1042	1737	1998
23	13800	4.0	23000	6.7	25300	7.4	1011	1684	1937
24	14400	4.2	24000	7.0	26400	7.7	1053	1755	2019
25	15000	4.4	25000	7.3	27500	8.1	1096	1826	2100
26	15600	4.6	26000	7.6	28600	8.4	1161	1935	2225
27	16200	4.7	27000	7.9	29700	8.7	1227	2044	2351
28	16800	4.9	28000	8.2	30800	9.0	1292	2153	2476
29	17400	5.1	29000	8.5	31900	9.3	1357	2262	2602
30	18000	5.3	30000	8.8	33000	9.7	1423	2372	2727
31	18600	5.5	31000	9.1	34100	10.0	1488	2481	2853
32	19200	5.6	32000	9.4	35200	10.3	1554	2590	2978
33	19800	5.8	33000	9.7	36300	10.6	1619	2699	3104
34	20400	6.0	34000	10.0	37400	11.0	1685	2808	3229
35	21000	6.2	35000	10.3	38500	11.3	1750	2917	3355
36	21600	6.3	36000	10.5	39600	11.6	1816	3026	3480
37	22200	6.5	37000	10.8	40700	11.9	1881	3135	3606
38	22800	6.7	38000	11.1	41800	12.2	1947	3244	3732
39	23400	6.9	39000	11.4	42900	12.6	2012	3353	3858
40	24000	7.0	40000	11.7	44000	12.9	2078	3462	3984
41	24600	7.2	41000	12.0	45100	13.2	2143	3571	4110
42	25200	7.4	42000	12.3	46200	13.5	2209	3680	4236
43	25800	7.6	43000	12.6	47300	13.9	2274	3789	4362
44	26400	7.7	44000	12.9	48400	14.2	2340	3898	4488
45	27000	7.9	45000	13.2	49500	14.5	2405	4007	4614
46	27600	8.1	46000	13.5	50600	14.8	2471	4116	4740
47	28200	8.3	47000	13.8	51700	15.2	2536	4225	4866
48	28800	8.4	48000	14.1	52800	15.5	2602	4334	4992
49	29006	8.5	48343	14.2	53171	15.6	2629	4375	5039
50	29211	8.6	48686	14.3	53543	15.7	2656	4416	5086
51	29417	8.6	49029	14.4	53914	15.8	2683	4457	5133
52	29623	8.7	49371	14.5	54286	15.9	2710	4498	5180
53	29829	8.7	49714	14.6	54657	16.0	2737	4539	5227
54	30034	8.8	50057	14.7	55029	16.1	2764	4580	5274
55	30240	8.9	50400	14.8	55400	16.2	2791	4621	5321
56	30446	8.9	50743	14.9	55771	16.3	2818	4662	5368
57	30651	9.0	51086	15.0	56143	16.5	2845	4703	5415
58	30857	9.0	51429	15.1	56514	16.6	2872	4744	5462
59	31063	9.1	51771	15.2	56886	16.7	2900	4785	5509
60	31269	9.2	52114	15.3	57257	16.8	2927	4826	5556
61	31474	9.2	52457	15.4	57629	16.9	2954	4867	5603
62	31680	9.3	52800	15.5	58000	17.0	2981	4908	5650

Note :
 1.Cooling Capacity is based on : indoor temp.27... DB, 19"... WB; outdoor temp. 35"... DB
 2.Heating Capacity is based on : indoor temp.20"... DB; outdoor temp. 7"... DB, 6"... WB
 3.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.
 4.Total capacity index of indoor unit should be within 19-63 Btu/h(40%-130%)
 5.At least two indoor units should be connected.

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Total Indoor Unit Capacity(kBtu/h)	Heating Capacity						Input(W)		
	Min		Rating		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
19	12540	3.7	20900	6.1	22781	6.7	1136	1894	2178
21	13860	4.1	23100	6.8	25179	7.4	1256	2093	2407
23	15180	4.4	25300	7.4	27577	8.1	1497	2495	2869
24	15840	4.6	26400	7.7	28776	8.4	1546	2576	2963
25	16500	4.8	27500	8.1	29975	8.8	1643	2739	3150
26	17160	5.0	28600	8.4	31174	9.1	1696	2826	3250
27	17820	5.2	29700	8.7	32373	9.5	1743	2906	3342
28	18480	5.4	30800	9.0	33572	9.8	1791	2986	3433
29	19140	5.6	31900	9.3	34771	10.2	1839	3065	3525
30	19800	5.8	33000	9.7	35970	10.5	1887	3145	3617
31	20460	6.0	34100	10.0	37169	10.9	1935	3225	3708
32	21120	6.2	35200	10.3	38368	11.2	1983	3304	3800
33	21780	6.4	36300	10.6	39567	11.6	2030	3384	3892
34	22440	6.6	37400	11.0	40766	11.9	2078	3464	3983
35	23100	6.8	38500	11.3	41965	12.3	2126	3543	4075
36	23760	7.0	39600	11.6	43164	12.6	2174	3623	4166
37	24420	7.2	40700	11.9	44363	13.0	2222	3702	4258
38	25080	7.3	41800	12.2	45562	13.4	2270	3782	4349
39	25740	7.5	42900	12.6	46761	13.7	2318	3861	4440
40	26400	7.7	44000	12.9	47960	14.1	2366	3941	4532
41	27060	7.9	45100	13.2	49159	14.4	2414	4020	4623
42	27600	8.1	46000	13.5	50000	14.7	2444	4077	4670
43	28400	8.3	47300	13.9	51000	14.9	2496	4159	4783
44	29200	8.6	48667	14.3	52000	15.2	2548	4241	4896
45	30000	8.8	50000	14.7	53000	15.5	2599	4323	5009
46	30800	9.0	51333	15.0	54000	15.8	2651	4405	5122
47	31600	9.3	52667	15.4	55000	16.1	2703	4487	5235
48	32400	9.5	54000	15.8	56000	16.4	2755	4569	5348
49	32486	9.5	54143	15.9	56214	16.5	2770	4580	5390
50	32571	9.5	54286	15.9	56429	16.5	2785	4600	5432
51	32657	9.6	54429	15.9	56643	16.6	2799	4620	5474
52	32743	9.6	54571	16.0	56857	16.7	2814	4640	5516
53	32829	9.6	54714	16.0	57071	16.7	2828	4660	5558
54	32914	9.6	54857	16.1	57286	16.8	2843	4680	5600
55	33000	9.7	55000	16.1	57500	16.8	2858	4700	5642
56	33086	9.7	55143	16.2	57714	16.9	2873	4720	5684
57	33171	9.7	55286	16.2	57929	17.0	2888	4740	5726
58	33257	9.7	55429	16.2	58143	17.0	2903	4760	5768
59	33343	9.8	55571	16.3	58357	17.1	2918	4780	5810
60	33429	9.8	55714	16.3	58571	17.2	2933	4800	5852
61	33514	9.8	55857	16.4	58786	17.2	2948	4820	5894
62	33600	9.8	56000	16.4	59000	17.3	2963	4840	5936

FM57AH U33

Total Indoor Unit Capacity(kBtu/h)	Cooling Capacity						Input(W)		
	Min		Rating		Max		Min	Rated	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
23	13800	4.0	23000	6.7	25300	7.4	1011	1684	1937
24	14400	4.2	24000	7.0	26400	7.7	1053	1755	2019
25	15000	4.4	25000	7.3	27500	8.1	1096	1826	2100
26	15600	4.6	26000	7.6	28600	8.4	1161	1935	2225
27	16200	4.7	27000	7.9	29700	8.7	1227	2044	2351
28	16800	4.9	28000	8.2	30800	9.0	1292	2153	2476
29	17400	5.1	29000	8.5	31900	9.3	1357	2262	2602
30	18000	5.3	30000	8.8	33000	9.7	1423	2372	2727
31	18600	5.5	31000	9.1	34100	10.0	1488	2481	2853
32	19200	5.6	32000	9.4	35200	10.3	1554	2590	2978
33	19800	5.8	33000	9.7	36300	10.6	1619	2699	3104
34	20400	6.0	34000	10.0	37400	11.0	1685	2808	3229
35	21000	6.2	35000	10.3	38500	11.3	1750	2917	3355
36	21600	6.3	36000	10.5	39600	11.6	1816	3026	3480
37	22200	6.5	37000	10.8	40700	11.9	1881	3135	3606
38	22800	6.7	38000	11.1	41800	12.2	1947	3244	3732
39	23400	6.9	39000	11.4	42900	12.6	2012	3353	3858
40	24000	7.0	40000	11.7	44000	12.9	2078	3462	3984
41	24600	7.2	41000	12.0	45100	13.2	2143	3571	4110
42	25200	7.4	42000	12.3	46200	13.5	2209	3680	4236
43	25800	7.6	43000	12.6	47300	13.9	2274	3789	4362
44	26400	7.7	44000	12.9	48400	14.2	2340	3898	4488
45	27000	7.9	45000	13.2	49500	14.5	2405	4007	4614
46	27600	8.1	46000	13.5	50600	14.8	2471	4116	4740
47	28200	8.3	47000	13.8	51700	15.2	2536	4225	4866
48	28800	8.4	48000	14.1	52800	15.5	2602	4334	4992
49	29006	8.5	48343	14.2	53171	15.6	2629	4375	5039
50	29211	8.6	48686	14.3	53543	15.7	2656	4416	5086
51	29417	8.6	49029	14.4	53914	15.8	2683	4457	5133
52	29623	8.7	49371	14.5	54286	15.9	2710	4498	5180
53	29829	8.7	49714	14.6	54657	16.0	2737	4539	5227
54	30034	8.8	50057	14.7	55029	16.1	2764	4580	5274
55	30240	8.9	50400	14.8	55400	16.2	2791	4621	5321
56	30446	8.9	50743	14.9	55771	16.3	2818	4662	5368
57	30651	9.0	51086	15.0	56143	16.5	2845	4703	5415
58	30857	9.0	51429</						

M14AH

Operation	Combination(k Btu/h)					Cooling Capacity (Btu/h)			Current (A)	Input (W)
	A	B	C	D	Total	Unit-A	Unit-B	Total		
1 unit	7				7	9,000		9,000	6.1	1,300
2 unit	7	7			14	7,500	7,500	15,000	6.7	1,400

M14AH

Operation	Combination(k Btu/h)					Cooling Capacity (Btu/h)			Current (A)	Input (W)
	A	B	C	D	Total	Unit-A	Unit-B	Total		
1 unit	7				7	9,400		9,400	6.1	1,350
2 unit	7	7			14	7,200	7,200	14,400	6.6	1,450

Operation	Combination(k Btu/h)					Heating Capacity (Btu/h)			Current (A)	Input (W)
	A	B	C	D	Total	Unit-A	Unit-B	Total		
1 unit	7				7	10,000		10,000	7.0	1,500
2 unit	7	7			14	7,300	7,300	14,600	6.0	1,300

Note :
 1.Cooling Capacity is based on : indoor temp.27°C DB/ 19°C WB; outdoor temp. 35°C DB/24°CWB
 2.Heating Capacity is based on : indoor temp.20°C DB/15°C WB outdoor temp. 7°C DB/ 6°C WB
 3.The total ability of connected a indoor unit is up to 14k Btu/h(4.1kW)

M18AH

Operation	Combination(k Btu/h)					Cooling Capacity (Btu/h)			Current (A)	Input (W)
	A	B	C	D	Total	Unit-A	Unit-B	Total		
1 unit	7				7	7,000		7,000	3.5	780
	9				9	9,500		9,500	5.0	1,100
	12				12	11,000		11,000	5.0	1,100
2 unit	7	7			14	7,000	7,000	14,000	8.5	1,900
	7	9			16	7,000	9,000	16,000	8.5	1,900
	9	9			18	9,000	9,000	18,000	8.5	1,900
	7	12			19	7,000	11,000	18,000	8.5	1,900

M18AH

Operation	Combination(k Btu/h)					Heating Capacity (Btu/h)			Current (A)	Input (W)
	A	B	C	D	Total	Unit-A	Unit-B	Total		
1 unit	7				7	9,000		9,000	6.0	1,300
	9				9	10,500		10,500	5.6	1,250
	12				12	12,100		12,100	5.5	1,200
2 unit	7	7			14	7,700	7,700	15,400	8.5	1,900
	7	9			16	7,700	9,900	17,600	8.5	1,900
	9	9			18	9,900	9,900	19,800	8.5	1,900
	7	12			19	7,700	12,100	19,800	8.5	1,900

Note :
 1.Cooling Capacity is based on : indoor temp.27°C DB/ 19°C WB; outdoor temp. 35°C DB/24°CWB
 2.Heating Capacity is based on : indoor temp.20°C DB/15°C WB outdoor temp. 7°C DB/ 6°C WB
 3.The total ability of connected a indoor unit is up to 19k Btu/h(5.6kW)

M21AH

Operation	Combination(k Btu/h)				Cooling Capacity (Btu/h)				Current (A)	Input (W)
	A	B	C	Total	Unit-A	Unit-B	Unit-C	Total		
1 unit	7			7	8,000			8,000	4.0	880
	9			9	9,500			9,500	4.1	900
	12			12	11,000			11,000	5.1	1,150
	12			12	12,000			12,000	5.1	1,150
2 unit	7	7		14	8,400	8,400		16,800	9.4	2,100
	7	9		16	8,000	10,000		18,000	9.4	2,100
	9	9		18	9,500	9,500		19,000	9.4	2,100
	7	12		19	8,000	11,000		19,000	9.4	2,100
	7	12		19	8,000	12,000		20,000	9.4	2,100
	9	12		21	9,000	12,000		21,000	9.4	2,100
3 unit	7	7	7	21	7,000	7,000	7,000	21,000	9.4	2,100
	7	7	9	23	6,400	6,400	8,200	21,000	9.4	2,100

M21AH

Operation	Combination(k Btu/h)				Heating Capacity (Btu/h)				Current (A)	Input (W)
	A	B	C	Total	Unit-A	Unit-B	Unit-C	Total		
1 unit	7			7	9,000			9,000	6.0	1,350
	9			9	10,450			10,450	6.2	1,350
	12			12	12,100			12,100	6.2	1,400
	12			12	13,200			13,200	6.2	1,400
2 unit	7	7		14	9,200	9,200		18,400	9.8	2,200
	7	9		16	8,800	11,000		19,800	9.8	2,200
	9	9		18	10,000	10,000		20,000	9.8	2,200
	7	12		19	8,800	12,100		20,900	9.8	2,200
	7	12		19	8,400	12,600		21,000	9.8	2,200
	9	12		21	9,000	12,000		21,000	8.5	1,900
3 unit	7	7	7	21	7,000	7,000	7,000	21,000	8.5	1,900
	7	7	9	23	6,400	6,400	8,200	21,000	8.5	1,900

Note :
 1.Cooling Capacity is based on : indoor temp.27°C DB/ 19°C WB; outdoor temp. 35°C DB/24°CWB
 2.Heating Capacity is based on : indoor temp.20°C DB/15°C WB outdoor temp. 7°C DB/ 6°C WB
 3.The total ability of connected a indoor unit is up to 23k Btu/h(6.7 kW)

M30AH

Operation	Combination(k Btu/h)					Cooling Capacity (Btu/h)					Current (A)	Input (W)
	A	B	C	D	Total	Unit-A	Unit-B	Unit-C	Unit-D	Total		
1 unit	7				7	9,000				9,000	4.8	1,100
	9				9	10,000				10,000	5.0	1,130
	12				12	12,000				12,000	5.2	1,180
	18				18	18,000				18,000	9.0	1,900
	24				24	23,000				23,000	13.5	3,000
2 unit	7	7			14	8,000	8,000			16,000	8.8	1,850
	7	9			16	7,500	9,500			17,000	9.0	1,900
	7	12			19	7,000	12,000			19,000	9.1	1,920
	7	18			25	9,000	19,000			28,000	14.5	3,150
	7	24			31	7,000	22,000			29,000	15.0	3,250
	9	9			18	9,000	9,000			18,000	9.0	1,900
	9	12			21	11,000	14,000			25,000	13.5	3,000
	9	18			27	10,000	18,000			28,000	14.5	3,150
	9	24			33	8,000	21,500			29,500	15.0	3,250
	12	12			24	13,000	13,000			26,000	14.0	3,100
	12	18			30	12,000	18,000			30,000	15.0	3,250
	3 unit	7	7	7		21	9,000	9,000	9,000		27,000	14.5
7		7	9		23	9,000	9,000	11,000		29,000	14.5	3,150
7		7	12		26	8,000	8,000	12,000		28,000	15.0	3,250
7		7	18		32	6,500	6,500	17,000		30,000	15.0	3,250
7		9	9		25	9,000	10,000	10,000		29,000	14.5	3,250
7		9	12		28	7,500	9,500	12,000		29,000	15.0	3,150
7		12	12		31	7,000	11,500	11,500		30,000	15.0	3,250
9		9	9		27	10,000	10,000	10,000		30,000	15.0	3,250
9		9	12		30	9,000	9,000	12,000		30,000	15.0	3,250
9		12	12		33	8,000	11,000	11,000		30,000	15.0	3,250
4 unit	7	7	7	7	28	7,500	7,500	7,500	7,500	30,000	14.5	3,200
	7	7	7	9	30	7,000	7,000	7,000	7,000	30,000	15.0	3,250
	7	7	7	12	33	6,500	6,500	6,500	10,500	30,000	15.0	3,250
	7	7	9	9	32	6,500	6,500	8,500	8,500	30,000	14.7	3,250

Note :
 1.Cooling Capacity is based on : indoor temp.27°C DB/ 19°C WB; outdoor temp. 35°C DB/24°CWB
 2.Heating Capacity is based on : indoor temp.20°C DB/15°C WB outdoor temp. 7°C DB/ 6°C WB
 3.The total ability of connected a indoor unit is up to 33k Btu/h(9.7 kW)

M30AH

Operation	Combination(k Btu/h)					Heating Capacity (Btu/h)					Current (A)	Input (W)
	A	B	C	D	Total	Unit-A	Unit-B	Unit-C	Unit-D	Total		
1 unit	7				7	10,000				10,000	6.2	1,350
	9				9	11,000				11,000	6.5	1,470
	12				12	12,000				12,000	6.0	1,310
	18				18	18,000				18,000	9.7	2,050
	24				24	26,400				26,400	16.5	3,600
2 unit	7	7			14	8,800	8,800			17,600	9.3	1,950
	7	9			16	8,200	10,400			18,600	9.3	1,950
	7	12			19	7,000	12,000			19,000	9.7	2,050
	7	18			25	9,900	20,900			30,800	15.5	3,360
	7	24			31	7,700	23,000			30,700	15.0	3,300
	9	9			18	9,900	9,900			19,800	9.5	2,050
	9	12			21	12,100	15,400			27,500	15.5	3,360
	9	18			27	11,000	19,800			30,800	15.5	3,360
	9	24			33	8,800	22,500			31,300	15.5	3,360
	12	12			24	14,300	14,300			28,600	15.5	3,360
	12	18			30	13,200	19,800			33,000	15.5	3,360
	3 unit	7	7	7		21	9,900	9,900	9,900		29,700	15.5
7		7	9		23	9,900	9,900	12,100		31,900	15.5	3,400
7		7	12		26	8,800	8,800	13,200		30,800	15.5	3,360
7		7	18		32	7,100	7,100	18,700		32,900	15.5	3,360
7		9	9		25	9,900	11,000	11,000		31,900	15.5	3,360
7		9	12		28	8,200	10,400	13,200		31,800	15.5	3,360
7		12	12		31	7,700	12,600	12,600		32,900	15.5	3,360
9		9	9		27	11,000	11,000	11,000		33,000	15.5	3,360
9		9	12		30	9,900	9,900	13,200		33,000	15.5	3,360
9		12	12		33	8,800	12,100	12,100		33,000	15.5	3,360
4 unit	7	7	7	7	28	8,200	8,200	8,200	8,200	32,800	13.5	2,950
	7	7	7	9	30	7,700	7,700	7,700	9,900	33,000	13.5	2,950
	7	7	7	12	33	7,100	7,100	7,100	12,100	33,000	14.0	3,000
	7	7	9	9	32	7,100	7,100	9,300	9,300	32,800	13.5	2,950

Note :
 1.Cooling Capacity is based on : indoor temp.27°C DB/ 19°C WB; outdoor temp. 35°C DB/24°CWB
 2.Heating Capacity is based on : indoor temp.20°C DB/15°C WB outdoor temp. 7°C DB/ 6°C WB
 3.The total ability of connected a indoor unit is up to 33k Btu/h(9.7 kW)

Memo

Horizontal dashed lines for memo writing.

Memo

Horizontal dashed lines for memo writing.

Features **_icon**

- Anti Corrosion Gold Fin
- Weekly Program
- Turbo Fan
- High Head Drain Pump
- Low Standby Power
- Auto Restart
- Central Controller(Accessory)
- Group Control
- Child Lock Function
- Two Thermistor Control
- Auto Changeover
- Long & High Elevation Piping
- Hot Start
- Zone Control (Optional)
- Wireless Remote Controller
- Jet Cool
- Auto Operation
- 7-Hour OFF Setting Timer
- 24-Hour ON/OFF Setting Timer
- Duct Operation