Features _ icon

- 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

LG
Life's Good

LG Electronics
AE Company, Commercial Air Conditioning

20 Yeouido-dong, Yeongdeungpo-gu, Yeouido P.O.Box 335 Seoul, 150-721, Korea.
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www.lg.com www.lgeaircon.com

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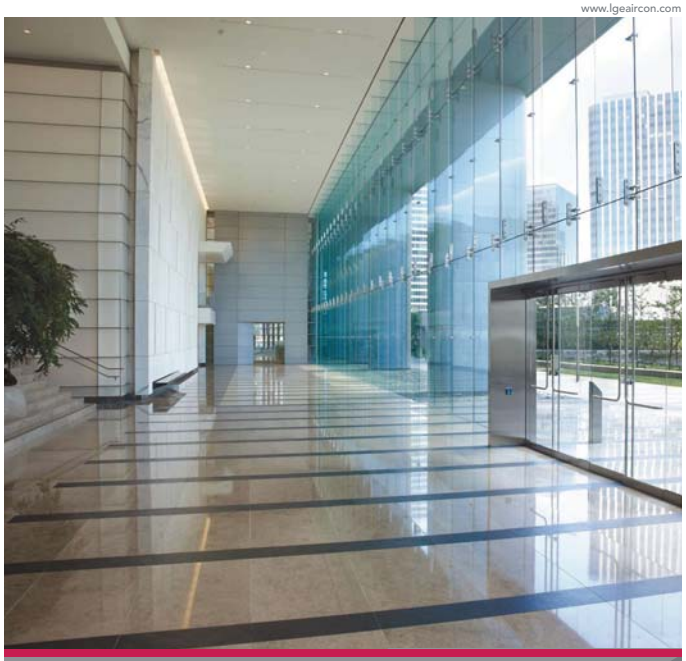


LG COMMERCIAL AIR CONDITIONERS 2011

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

LG
Life's Good

Vitalize with Good Air

In today's modern world, optimal living often comes at the expense of causing harm to the environment. Yet our health and well being are two values that should never be compromised.

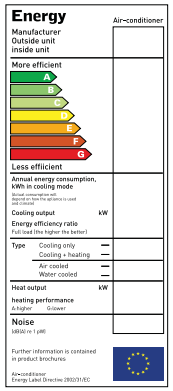
LG remains committed to providing reliable and energy-efficient air conditioning solutions for both your family and business so that you can live better without worrying about hurting Mother Nature.

Thanks to our innovative technology, our air conditioners are safe to use for your home and deliver cost-effective solutions for your office environment.

At LG we pride ourselves in protecting the planet. From production to disposal we use only eco-friendly refrigerants and components to ensure our products keep the earth green for generations to come.

Comfortable living in a sustainable world that is at the heart of every LG product.

eco



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

Design Award

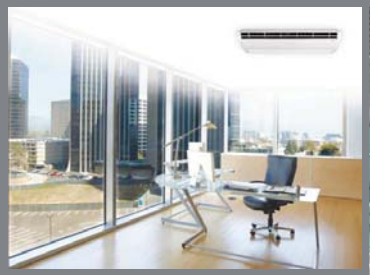
International Forum Design

reddot design award

Good Design Mark

Enjoy Clean, Quiet, and Comfortable

Air Conditioning with LG










06 Single Split

- Ceiling Cassette
- Ceiling Concealed Duct Type
- Ceiling & Floor / Ceiling Suspended Type
- Console Type
- Synchro Operation
- Floor Standing Type

70 Multi Split

- Outdoor Unit
- Indoor Unit

LG Commercial Air Conditioners
2011 Single split Model Line-up

Universal Indoor Type

Type \ kW	2.5	3.5	5.0	6.0	7.1	8.0	10.0	12.5	14.0(13.4*)	15.0
Ceiling Cassette Type	UT09 NRD	UT12H NP1 UT12 NRD	UT18H NP1 UT18 NQD	UT21H NN1	UT24H NN1 UT24 NPD	UT30 NPD	UT36H NM1 UT36 NND	UT42H NM1 UT42 NMD	*UT48H NM1 UT48 NMD	UT60 NMD
Ceiling Concealed Duct Type			UB18H NG1 UB18 NHD	UB21H NG1	UB24H NG1 UB24 NHD	UB30 NGD	UB36H NR1 UB36 NGD	UB42H NR1 UB42 NRD	*UB48H NR1 UB48 NRD	UB60 NRD
Ceiling and Floor Type	UV09 NED	UV12H NJ1 UV12 NED	UV18H NJ1 UV18 NBD	UV21H NK1	UV24H NK1 UV24 NBD	UV30 NBD	UV36H NL1 UV36 NKD	UV42H NL1 UV42 NLD	UV48H NL1 UV48 NLD	UV60 NLD
Console Type*	CQ09 NA0	CQ12 NA0	CQ18 NA0							

*Only Connectable to DC Inverter

Universal Outdoor Type

Type \ kW	2.5	3.5	5.0	6.0	7.1	8.0	10.0	12.5	14.0(13.4*)	15.0
H-Inverter		UU12WH UE1	UU18WH UE1	UU21WH U41	UU24WH U41		UU36WH U31	UU42WH U31	*UU48WH U31	
3Phase H-Inverter							UU37WH U31	UU43WH U31	UU49WH U31	
DC Inverter	UU09W ULD	UU12W ULD	UU18W UED1		UU24W UED	UU30W UED	UU36W UED	UU42W U3D	UU48W U3D	UU60W U3D
3Phase DC Inverter							UU37W UED	UU43W U3D	UU49W U3D	UU61W U3D

Set Type

Type \ kW	8.0
Floor Standing Type	P03AH SR1

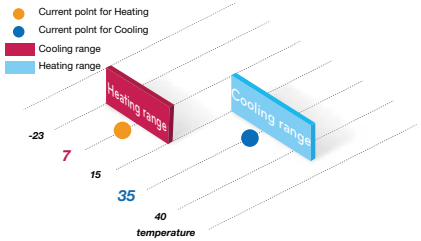
Type \ kW	14.0
Floor Standing Type	P05AH ST0

Type \ kW	21.1
Floor Standing Type	P08AH SF1

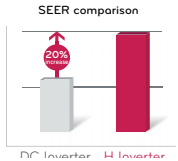
High COP & Energy Saving

Design based on SEER

SEER stands for Seasonal Energy Efficiency Ratio.
This is a new measure of air conditioning energy efficiency. It is conducted in various environmental conditions. The whole tested range of temperatures for heating and cooling reflect real life environments.



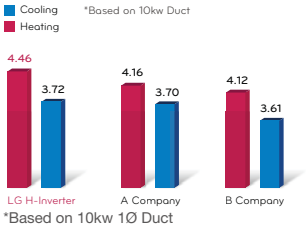
" Seasonal Efficiency of H Inverter 20% Up vs. Standard Inverter "



(*) Test model is 14Kw. Seasonal efficiencies are calculated based on draft PrEn 14825: 2009 (under inquiry stage). Data are subject to change.

World Highest COP

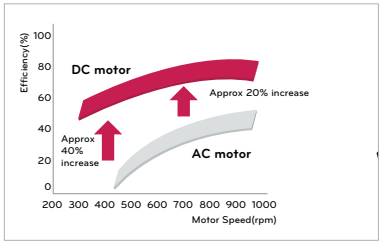
LG H-Inverter has achieved world highest EER & COP with BLDC Compressor & Fan Motor, and DC Inverter technology and Heating COP* of all models are above 4.0 *except 13.4kw CST combination

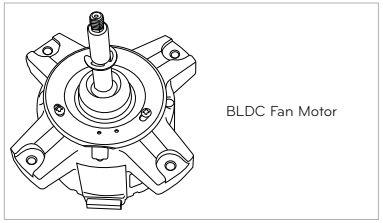


*Based on 10kw 1Ø Duct

BLDC Fan Technology

BLDC Fan motor offers additional energy saving in operating mode. Compared with AC motors, BLDC Fan motor can cut energy by 35% at full velocity.



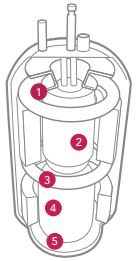


BLDC Fan Motor

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 the AC inverter.

1. Minimized Oil circulation
2. High Efficiency Motor
3. Optimize Compression Eff.
4. Optimize Vibration, Noise
5. High Reliability

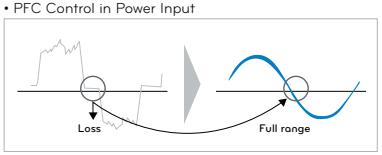


DC Inverter Technology

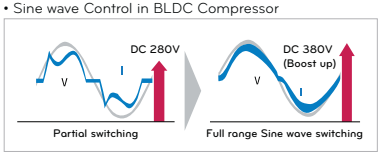
With the advancement of inverter technology comes more silent, economical and powerful air conditioning systems. The LG air conditioner is manufactured using the PFC and the sine wave technology.

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

• PFC Control in Power Input



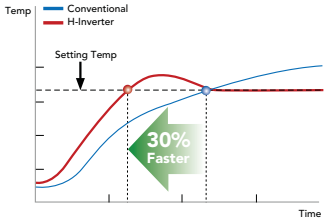
• Sine wave Control in BLDC Compressor



Comfort Operation

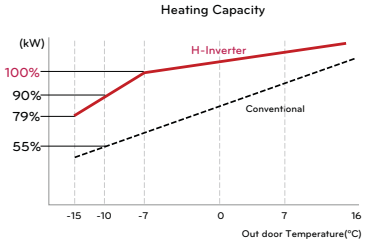
PI Control No Heating Capacity Reduction

H-Inverter can reach the set temperature 30% faster than conventional models and increase efficiency through PI Control. PI control adjusts operation according to the temperature and operating status.



No Heating Capacity Reduction

H-Inverter can keep the same heating capacity in low temperatures (-7°C) with the LG BLDC compressor and sub cooling effect of the larger condenser



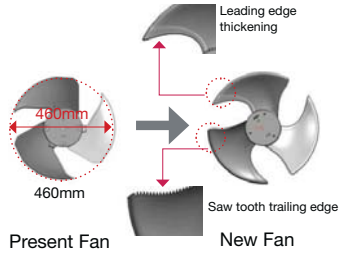
Silent Operation

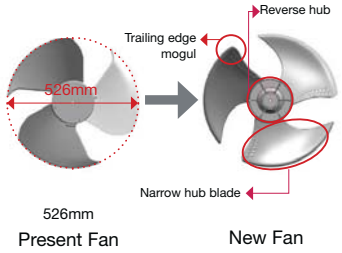
Lower Noise Level

Grille shape changed
The new grille shape design of the outdoor unit helps outlet airflow improvement so it increases heat exchange efficiency and reduces noise levels.

Axial Fan
The new axial fan shape has a thickening front edge and smooth rear edge provides high efficiency with low noise and a wide fan wing width. High Air flow rate and increasing fan operation efficiency are also improved.

Grille shape changed





Sound-proof cover
The outdoor unit is covered with a sound-proof layer that is made of rubber and mixed filamentum. It allows excess noise to be significantly reduced.

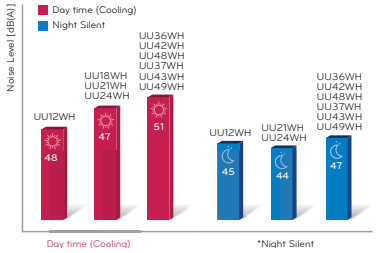
The noise level of outdoors will be decreased up to 3dB except for UU09W, UU12W, UU36W and UU12WH.

Night Silent Operation

Night Silent Operation can reduce noise level night time by setting deep switch on PCB in outdoor unit

Noise Level [dB(A)]

	Day time (Cooling)	Night Silent Mode
UU12WH	48	45
UU18WH	47	39
UU21WH	47	44
UU24WH	47	44
UU36WH	51	47
UU42WH	51	47
UU48WH	51	47
UU37WH	51	47
UU43WH	51	47
UU49WH	51	47

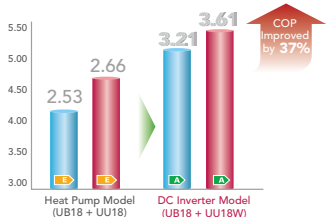


*UU18WH model has Night Silent Mode (39dB)

Improved COP and Energy Saving

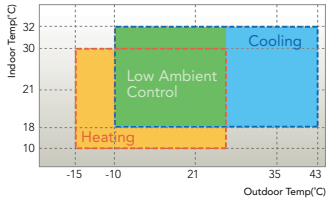
Improved COP / EER

Energy efficiency of DC inverter models are significantly improved compared to Heat pump models.



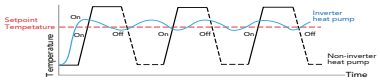
Wide Operating Range

In the event of low outdoor temperatures, when cooling or heating rooms, the BLDC inverter compressor and outdoor BLDC fan motor adjust air flow and volume, which ensures efficient operation by allowing the air conditioner to continually operate at -10°C.



Comfort Operation with DC Inverter Technology

Energy efficiency of DC inverter models is significantly improved compared with Heat pump models 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.

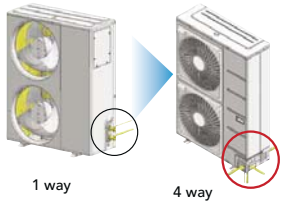


Easy to Service

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

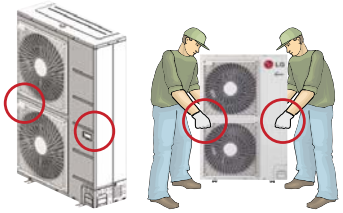
1. Inner SVC valve

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



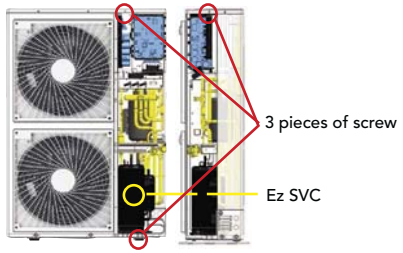
2. Convenient moving handle

- Fitted hand grips for easy transportation and installation



3. Compact Design & Ez SVC

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



SINGLE SPLIT

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

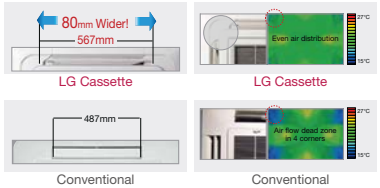
CEILING CASSETTE

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

Comfort Operation

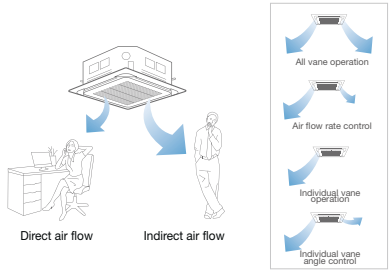
Wide jet Air Flow

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



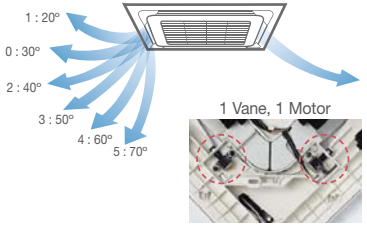
Independent Vane Operation

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



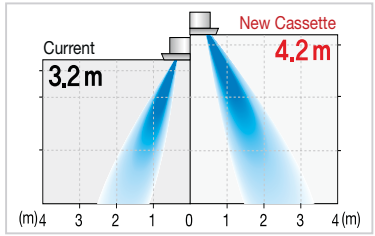
Automatic Vane angle Control

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



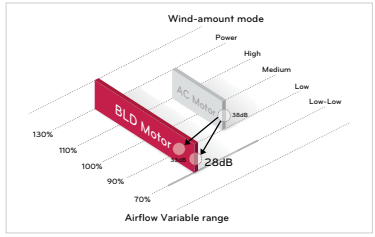
High Ceiling Mode

High ceiling mode with phase-control algorithm is possible to apply as high as 4.2m of ceiling.
This setting offers a reduction of drought.



Improved Low Noise

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



Variable range of wind of the interior fan motor

Weekly Program

You can set the daily temperature and automatic on/off times for one week
Weekly reservation keeps operating until it is cancelled by the user

*Indoor unit is turned on to the desired temperature, the TEMP up/down buttons can be used to set the desired present or preset temperature.
(Temperature selection range : 18°C~30°C)
*When desired temperature is not set, it is turned on automatically with the desired temperature of the previous operation

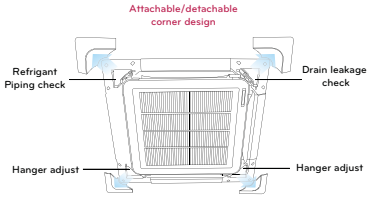
Easy Installation

Detachable Corner Panels

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

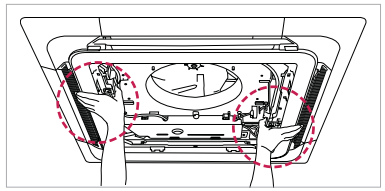
Drain leakage check

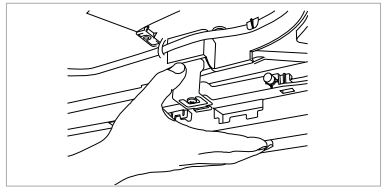
Hanger adjust



One Touch Panel

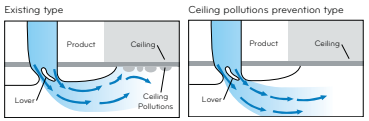
The simple push-up panel design easily connect the panel with the body, enabling the installer to use his two hands freely.





Design to Reduce the Ceiling Stains

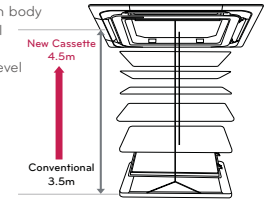
The new outlet design can reduce ceiling contamination from air current flowing along the ceiling.



Auto Elevation Grille
(Accessory : PTEGM0)

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



Inverter

• UT12H

UU12WH

Specifications

Indoor Unit

			UT12H NP1 PT-UMC
		F/Panel	
Nominal Capacity (Rated)	Cooling	kw	1.4-3.5-4.2
		Btu/h	4,770-11,900-14,300
	Heating	kw	1.6-4.2-5.0
		Btu/h	5,460-14,300-17,050
Nominal Input (Rated)	Cooling	kw	0.99
	Heating	kw	1.04
Running Current	Cooling / Heating	A	0.6
Power Supply		Ø/V/Hz	1/220-240/50
EER	Cooling	kw/kw	3.54
COP	Heating	kw/kw	4.04
Annual energy consumption	Cooling	kWh	495
Operational Temperature Range	Cooling	°CDB	-10 ~ 48
	Heating	°CWB	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	13 / 12 / 10
Sound Level (H/M/L)		dB(A)±3	35 / 33 / 31
Dehumidification Rate		l/h	1.3
Dimensions (WxHxD)	Body	mm	840x204x840
	Decorative Panel	mm	950x25x950
Weight	Body	kg	21
	Decorative Panel	kg	5
Piping Connections	Liquid	mm(inch)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)

Outdoor Unit

			UU12WH UE1
Compressor	Type		Twin Rotary
Refrigerant Charge	Charge	g	1,200
	Type		R410A
Fan	Discharge	Side/Top	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	48 / 48
	Night Operation	dB(A)±3	45
Dimensions	WxHxD	mm	870x655x320
Net Weight	Outdoor	kg	46
Piping connection	Liquid	mm(inch)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)
Circuit Breaker		A	15
Power Supply Cable (Includes earth)		No.*mm²	3 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4 x 0.75
Max. Piping Length / Elevation		m	30 / 20
Power Supply		Ø/V/Hz	1 / 220-240 / 50
Running Current	Cooling / Heating	A	4.4 / 4.6
Air flow rate		m³/min	50
Additional Refrigerant Charge (Over 10.0m)		g/m	20

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UT18H
•UT21H
•UT24H

UU18WH

UU21WH /UU24WH

Specifications

Indoor Unit

		F/Panel	UT18H NP1 PT-UMC	UT21H NN1 PT-UMC	UT24H NN1 PT-UMC
Nominal Capacity (Rated)	Cooling	kw	2.0 ~ 5.0 ~ 5.5	2.8 ~ 6.0 ~ 8.0	2.8 ~ 7.0 ~ 8.4
		Btu/h	6,820 ~ 17,060 ~ 18,760	9,550 ~ 20,470 ~ 27,300	9,550 ~ 23,900 ~ 28,660
	Heating	kw	2.2 ~ 5.5 ~ 6.05	3.2 ~ 7.0 ~ 9.0	3.2 ~ 8.0 ~ 9.4
		Btu/h	7,510 ~ 18,770 ~ 20,640	10,920 ~ 23,900 ~ 30,700	10,920 ~ 27,300 ~ 32,070
Nominal Input (Rated)	Cooling	kw	1.35	1.53	1.92
	Heating	kw	1.35	1.66	1.93
Running Current	Cooling / Heating	A	0.6	0.6	0.6
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	3.7	3.92	3.65
COP	Heating	kw/kw	4.07	4.22	4.15
Annual energy consumption	Cooling	kWh	675	765	960
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	17 / 15 / 13	21 / 18 / 16	21 / 18 / 16
Sound Level (H/M/L)		dB(A)±3	39 / 37 / 34	40 / 38 / 36	40 / 38 / 36
Dehumidification Rate		l/h	2.1	2.7	2.7
Dimensions (WxHxD)	Body	mm	840x204x840	840x246x840	840x246x840
	Decorative Panel	mm	950x25x950	950x25x950	950x25x950
Weight	Body	kg	21	23.5	23.5
	Decorative Panel	kg	5	5	5
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)

Outdoor Unit

			UU18WH UE1	UU21WH U41	UU24WH U41
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g	2,000	2,200	2,200
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Diacharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	47 / 50	47 / 50	47 / 50
	Night Operation	dB(A)±3	39	44	44
Dimensions	WxHxD	mm	870x808x320	950x834x330	950x834x320
Net Weight	Outdoor	kg	58	63	63
Piping connection	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Circuit Breaker		A	20	25	25
Power Supply Cable (Includes earth)		No.*mm²	3 x 2.5	3 x 2.5	3 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length / Elevation		m	50 / 30	50 / 30	50 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	6.0 / 6.7	7.6 / 7.7	9.5 / 9.0
Air flow rate		m³/min	58	58	58
Additional Refrigerant Charge (Over 10.0m)		g/m	20	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UT36H
•UT42H
•UT48H

UU36WH / UU42WH / UU48WH

Specifications

Indoor Unit

		F/Panel	UT36H NM1 PT-UMC	UT42H NM1 PT-UMC	UT48H NM1 PT-UMC
Nominal Capacity (Rated)	Cooling	kw	4.5 ~ 10.0 ~ 13.0	5.0 ~ 12.5 ~ 14.9	5.5 ~ 13.4 ~ 16.0
		Btu/h	15,350 ~ 34,120 ~ 44,360	17,060 ~ 42,650 ~ 50,840	18,770 ~ 45,720 ~ 54,590
	Heating	kw	4.9 ~ 11.2 ~ 14.0	5.5 ~ 14.0 ~ 16.8	6.4 ~ 15.5 ~ 17.9
		Btu/h	16,720 ~ 38,220 ~ 47,770	18,770 ~ 47,770 ~ 57,320	21,840 ~ 52,890 ~ 61,070
Nominal Input (Rated)	Cooling	kw	2.60	3.66	4.15
	Heating	kw	2.51	3.41	4.07
Running Current	Cooling / Heating	A	0.72	0.72	0.72
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	3.85	3.42	3.23
COP	Heating	kw/kw	4.46	4.11	3.81
Annual energy consumption	Cooling	kWh	1300	1830	2075
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	32 / 26.1 / 20.2	32 / 26.7 / 21.5	32 / 27.4 / 22.8
Sound Level (H/M/L)		dB(A)±3	47 / 45 / 42	47 / 45 / 42	47 / 45 / 42
Dehumidification Rate		l/h	2.7	3.6	3.6
Dimensions (WxHxD)	Body	mm	840x288x840	840x288x840	840x288x840
	Decorative Panel	mm	950x25x950	950x25x950	950x25x950
Weight	Body	kg	28	28	28
	Decorative Panel	kg	5	5	5
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

			UU36WH U31	UU42WH U31	UU48WH U31
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g	3600	3600	3600
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Diacharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	51 / 53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
Dimensions	WxHxD	mm	950x1380x330	950x1380x330	950x1380x330
Net Weight	Outdoor	kg	103	103	103
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)
Circuit Breaker		A	40	40	40
Power Supply Cable (Includes earth)		No.*mm²	3 x 5.0	3 x 5.0	3 x 5.0
Inter-unit Cable (Includes earth)		No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length / Elevation		m	75 / 30	75 / 30	75 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	11.5 / 11.3	16.8 / 15.0	18.7 / 18.0
Air flow rate		m³/min	55 x 2	55 x 2	55 x 2
Additional Refrigerant Charge (Over 10.0m)		g/m	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

3Phase High Efficiency Inverter

- UT36H
- UT42H
- UT48H

UU37WH / UU43WH / UU49WH

Specifications

Indoor Unit

		F/Panel	UT36H NM1 PT-UMC	UT42H NM1 PT-UMC	UT48H NM1 PT-UMC
Nominal Capacity (Rated)	Cooling	kw	4.5-10.0-13	5.0-12.5-14.9	5.5-13.4-16.0
		Btu/h	15,350-34,120-44,360	17,060-42,650-50,840	18,770-45,720-54,590
	Heating	kw	4.2-11.2-13.7	5.4-14-16.3	6.2-15.5-17.8
		Btu/h	16,720-38,220-47,770	18,770-47,770-57,320	21,840-52,890-61,070
Nominal Input (Rated)	Cooling	kw	2.6	3.7	4.18
	Heating	kw	2.57	3.49	4.2
Running Current	Cooling / Heating	A	0.72	0.72	0.72
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw	3.85	3.38	3.21
COP	Heating	kw/kw	4.36	4.01	3.69
Annual energy consumption	Cooling	kWh	1300	1850	2090
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	32 / 26.1 / 20.2	32 / 26.7 / 21.5	32 / 27.4 / 22.8
Sound Level (H/M/L)		dB(A)±3	47 / 45 / 42	47 / 45 / 42	47 / 45 / 42
Dehumidification Rate		l/h	2.7	3.6	3.6
Dimensions (WxHxD)	Body	mm	840x288x840	840x288x840	840x288x840
	Decorative Panel	mm	950x25x950	950x25x950	950x25x950
Weight	Body	kg	28	28	28
	Decorative Panel	kg	5	5	5
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

			UU37WH U31	UU43WH U31	UU49WH U31
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge		3600	3600	3600
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	51 / 53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
Dimensions	WxHxD	mm	950x1380x330	950x1380x330	950x1380x330
Net Weight	Outdoor	kg	103	103	103
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)
Circuit Breaker		A	15	15	15
Power Supply Cable (Includes earth)		No.*mm²	5.0 x 2.5	5.0 x 2.5	5.0 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4x0.75	4x0.75	4x0.75
Max. Piping Length / Elevation		m	75/30	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	4.2/4.1	6.0/5.7	6.7/6.5
Air flow rate		m³/min	55x2	55x2	55x2
Additional Refrigerant Charge (Over 10.0m)		g/m	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

DC Inverter

- UT09
- UT12
- UT18

UU09W / UU12W UU18W

Specifications

Indoor Unit

		F/Panel	UT09 NRD PT-UQC	UT12 NRD PT-UQC	UT18 NQD PT-UQC
Nominal Capacity (Rated)	Cooling	kw	1.0 ~ 2.5 ~ 2.75	1.36 ~ 3.4 ~ 3.74	2.0 ~ 5.0 ~ 5.5
		Btu/h	3,410 ~ 8,530 ~ 9,380	4,640 ~ 11,600 ~ 12,760	6,820 ~ 17,060 ~ 18,760
	Heating	kw	1.2 ~ 3.0 ~ 3.3	1.60 ~ 4.0 ~ 4.4	2.2 ~ 5.5 ~ 6.05
		Btu/h	4,090 ~ 10,240 ~ 11,260	5,460 ~ 13,650 ~ 15,010	7,510 ~ 18,770 ~ 20,640
Nominal Input (Rated)	Cooling	kw	0.75	1.06	1.56
	Heating	kw	0.81	1.1	1.52
Running Current	Cooling / Heating	A	0.3	0.3	0.3
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	3.33	3.21	3.21
COP	Heating	kw/kw	3.75	3.64	3.61
Annual energy consumption	Cooling	kWh	375	530	780
Operational Temperature	Cooling	°CDB	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range	Heating	°CWB	-10 ~ 18	-10 ~ 18	-10 ~ 18
Air Flow Rate (H/M/L)		m³/min	8.5 / 7.0 / 6.0	9.5 / 8 / 7	13 / 12 / 11
Sound Level (H/M/L)		dB(A)±3	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36
Dehumidification Rate		l/h	1.4	1.7	2.4
Dimensions (WxHxD)	Body	mm	570×214×570	570×214×570	570×256×570
	Decorative Panel	mm	700×22×700	700×22×700	700×22×700
Weight	Body	kg	14	14	15
	Decorative Panel	kg	3	3	3
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)

Outdoor Unit

			UU09W ULD	UU12W ULD	UU18W UED1
Compressor	Type		Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g	1000	1000	1500
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	48 / 42	48 / 42	51 / 45
Dimensions	WxHxD	mm	770×540×245	770×540×245	870×655×320
Net Weight	Outdoor	kg	32	32	48
Piping connection	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Circuit Breaker		A	15	15	15
Power Supply Cable (Includes earth)		No.*mm²	3 × 1.5	3 × 1.5	3 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4 × 0.75	4 × 0.75	4 × 0.75
Max. Piping Length / Elevation		m	15 / 10	15 / 10	40 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	3.42 / 3.87	5.02 / 5.03	7.1 / 7.1
Air flow rate		m³/min	50	50	50
Additional Refrigerant Charge (Over 7.5m)		g/m	20	20	20

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

- UT24
- UT30
- UT36
- UT42
- UT48
- UT60

UU24W / UU30W　UU36W　UU42W / UU48W / UU60W

Specifications

Indoor Unit

		F/Panel	UT24 NPD PT-UMC	UT30 NPD PT-UMC	UT36 NND PT-UMC	UT42 NMD PT-UMC	UT48 NMD PT-UMC	UT60 NMD PT-UMC
Nominal Capacity (Rated)	Cooling	kw	2.84 ~ 7.1 ~ 7.81	3.2 ~ 8.0 ~ 8.8	4.0 ~ 10.0 ~ 11.0	5.0 ~ 12.5 ~ 13.8	5.48 ~ 13.9 ~ 15.7	5.92 ~ 14.6 ~ 16.3
		Btu/h	9,680 ~ 24,200 ~ 26,620	10,920 ~ 27,300 ~ 30,030	13,640 ~ 34,100 ~ 37,550	17,060 ~ 42,650 ~ 46,915	18,700 ~ 46,750 ~ 51,425	20,200 ~ 50,500 ~ 55,550
	Heating	kw	3.2 ~ 8.0 ~ 8.8	3.6 ~ 9.0 ~ 9.9	4.4 ~ 11.0 ~ 12.1	5.0 ~ 14.0 ~ 15.4	6.4 ~ 15.5 ~ 17.6	6.8 ~ 16.9 ~ 18.7
		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
Nominal Input (Rated)	Cooling	kw	2.15	2.65	3.12	3.89	4.61	5.4
	Heating	kw	2.34	2.8	3.23	3.87	4.54	5.5
Running Current	Cooling / Heating	A	0.6	0.6	0.6	0.72	0.72	0.72
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	3.3	3.02	3.21	3.21	3.01	2.7
COP	Heating	kw/kw	3.42	3.21	3.41	3.61	3.41	3.07
Annual energy consumption	Cooling	kWh	1075	1325	1560	1945	2305	2700
Operational Temperature	Cooling	°CDB	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range	Heating	°CWB	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18
Air Flow Rate (H/M/L)		m³/min	17 / 15 / 13	19 / 17 / 15	24 / 22 / 19	30 / 28 / 26	34 / 32 / 30	34 / 32 / 30
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	840×204×840	840×204×840	840×246×840	840×288×840	840×288×840	840×288×840
	Decorative Panel	mm	950×25×950	950×25×950	950×25×950	950×25×950	950×25×950	950×25×950
Weight	Body	kg	21	21	23.5	26	26	26
	Decorative Panel	kg	5	5	5	5	5	5
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	2000	2000	2500	3600	3600	3600
	Type		R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	52 / 46	52 / 46	56 / 52	55 / 51	55 / 51	55 / 51
Dimensions	WxHxD	mm	870×808×320	870×808×320	870×1060×320	950×1380×330	950×1380×330	950×1380×330
Net Weight	Outdoor	kg	60	60	75	103	103	103
Piping connection	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Circuit Breaker		A	30	30	30	40	40	40
Power Supply Cable (Includes earth)		No.*mm²	3 × 2.5	3 × 2.5	3 × 2.5	3 × 3.5	3 × 3.5	3 × 3.5
Inter-unit Cable (Includes earth)		No.*mm²	4 × 0.75	4 × 0.75	4 × 0.75	4 × 0.75	4 × 0.75	4 × 0.75
Max. Piping Length / Elevation		m	50 / 30	50 / 30	50 / 30	75 / 30	75 / 30	75 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	10.0 / 10.7	12.0 / 13.0	14.0 / 14.2	17.7 / 16.7	20.5 / 20.5	24.7 / 23.5
Air flow rate		m³/min	58	58	32 × 2	55 × 2	55 × 2	55 × 2
Additional Refrigerant Charge (Over 7.5m)		g/m	35	35	50	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB　Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB　- Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

- UT36
- UT42
- UT48
- UT60

UU37W　UU43W / UU49W / UU61W

Specifications

Indoor Unit

		F/Panel	UT36 NND PT-UMC	UT42 NMD PT-UMC	UT48 NMD PT-UMC	UT60 NMD PT-UMC
Nominal Capacity (Rated)	Cooling	kw	4.0 ~ 10.0 ~ 11.0	5.0 ~ 12.5 ~ 13.8	5.48 ~ 13.8 ~ 15.7	5.92 ~ 14.7 ~ 16.3
		Btu/h	13,640 ~ 34,100 ~ 37,550	17,060 ~ 42,650 ~ 46,915	18,700 ~ 46,750 ~ 51,425	20,200 ~ 50,500 ~ 55,550
	Heating	kw	4.4 ~ 11.0 ~ 12.1	5.0 ~ 14.0 ~ 15.4	6.4 ~ 15.9 ~ 17.6	6.8 ~ 17.0 ~ 18.7
		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
Nominal Input (Rated)	Cooling	kw	3.12	3.89	4.58	5.63
	Heating	kw	3.23	3.87	4.66	5.64
Running Current	Cooling / Heating	A	0.6	0.72	0.72	0.72
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	3.21	3.21	3.01	2.61
COP	Heating	kw/kw	3.41	3.61	3.41	3.01
Annual energy consumption	Cooling	kWh	1560	1945	2305	2700
Operational Temperature	Cooling	°CDB	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range	Heating	°CWB	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18
Air Flow Rate (H/M/L)		m³/min	24 / 22 / 19	30 / 28 / 26	34 / 32 / 30	34 / 32 / 30
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	840×288×840	840×288×840	840×288×840
	Decorative Panel	mm	950×25×950	950×25×950	950×25×950	950×25×950
Weight	Body	kg(lbs)	23.5	26	26	26
	Decorative Panel	kg(lbs)	5	5	5	5
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	2500	3600	3600	3600
	Type		R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	54 / 50	55 / 51	55 / 51	55 / 51
Dimensions	WxHxD	mm	870×1060×320	950×1380×330	950×1380×330	950×1380×330
Net Weight	Outdoor	kg	80	103	103	103
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)
Circuit Breaker		A	15	15	15	15
Power Supply Cable (Includes earth)		No.*mm²	5.0 x 2.5	5.0x2.5	5.0 x 2.5	5.0 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4 × 0.75	4 × 0.75	4 × 0.75	4 × 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	3.7 / 3.9	4.09 / 4.28	4.98 / 5.23	5.91 / 5.79
Air flow rate		m³/min	32 × 2	55 × 2	55 × 2	55 × 2
Additional Refrigerant Charge (Over 7.5m)		g/m	45	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB　Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB　- Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

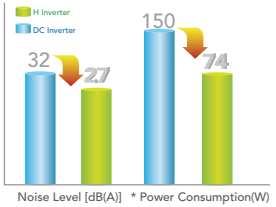
CEILING CONCEALED DUCT

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.

High Efficiency BLDC Fan

H-Inverter models can reduce operating noise and Save energy consumption with BLDC Fan

- 50% Reduction of Power consumption
- Low indoor Noise & Low vibration

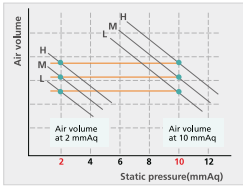


* Based on 5.0kw Duct
** Test Condition : Fan mode

Linear E.S.P. Control

Air volume and sound kept as design regardless of duct resistance using this technology , you can

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



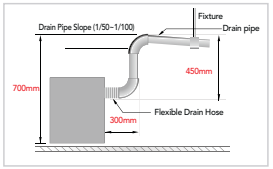
*E.S.P is easily controlled by remote controller

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.

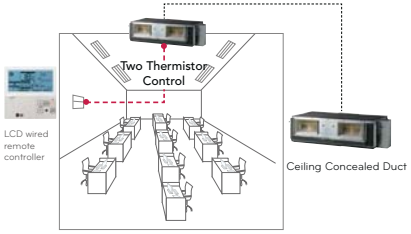
※ H-Inverter : High Head Drain Pump is Included in Indoor Unit

(Accessory:ABDPG)



Two Thermistor Control

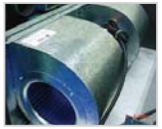
There may be a significant difference between the temperature taken at the installed product and indoor temperature. Two thermistor control provides option to control temperature by referring any of the two temperature. With the help of the slide switch at the back of the LCD wired remote controller,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



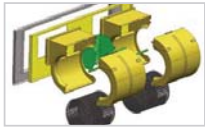
*Above Remote Controller is PQRCVSL0QW and this is only for all H-inverter Duct model. PVRCUSZ0 Remote controller will be provided for the rest of standard inverter model

Quiet Operation & Easy Service

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



Conventional



LG Fan and Housing

Weekly Program

You can set the daily temperature and automatic on/off times for one week Weekly reservation keeps operating until it is cancelled by the user

*It is possible 4 times setting a day but PVRCUSZ0 can be only 1 time.

*Indoor unit is turned on to the desired temperature, the TEMP up/down buttons can be used to set the desired present or preset temperature.
(Temperature selection range : 18°C~30°C)
*When desired temperature is not set, it is turned on automatically with the desired temperature of the previous operation

*Above Remote Controller is PQRCVSL0QW and this is only for all H-inverter Duct model. PVRCUSZ0 Remote controller will be provided for the rest of standard inverter model

•UB18H
•UB21H
•UB24H

UU18WH UU21WH /UU24WH

Specifications

Indoor Unit

			UB18H NG1	UB21H NG1	UB24H NG1
Nominal Capacity (Min-Rating-Max)	Cooling	kw	2.5 ~ 5 ~ 6	2.4 ~ 6.0 ~ 6.6	2.84 ~ 7.1 ~ 7.81
		Btu/h	8,530 ~ 17,061 ~ 20,473	8,189 ~ 20,473 ~ 22,520	9,690 ~ 24,226 ~ 26,649
	Heating	kw	3 ~ 6 ~ 7.2	2.8 ~ 7.0 ~ 7.7	3.2 ~ 8.0 ~ 8.8
		Btu/h	10,236 ~ 20,473 ~ 24,567	9,554 ~ 23,885 ~ 26,273	10,919 ~ 27,297 ~ 30,027
Nominal Input (Rating)	Cooling	kw	1.35	1.73	2.09
	Heating	kw	1.49	1.74	1.99
Running Current	Cooling / Heating	A	0.5 / 0.5	0.9 / 0.9	0.9 / 0.9
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw	3.70	3.47	3.40
COP	Heating	kw/kw	4.03	4.02	4.02
Annual energy consumption	Cooling	kWh	675	865	1045
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	17 / 15 / 13	25 / 20 / 14	25 / 20 / 14
Sound Level (H/M/L)		dB(A)±3	30 / 28 / 27	37 / 33 / 29	37 / 33 / 29
Dehumidification Rate		l/h	1.2	0.37	1.36
Dimensions (WxHxD)	Body	mm	1,182x298x450	1,182x298x450	1,182x298x450
Weight	Body	kg	34	35	35
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
	Drain (OD/ID)	mm	32 / 26	32 / 26	32 / 26

Outdoor Unit

			UU18WH UE1	UU21WH U41	UU24WH U41
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g	2000	2,200	2,200 (77.6)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	47 / 50	47 /50	47 / 50
	Night Operation	dB(A)±3	39	44	44
Dimensions	WxHxD	mm	870x808x320	950x834x330	950x834x330
Net Weight	Outdoor	kg	58	63	63
Piping connection	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Circuit Breaker		A	20	25	25
Power Supply Cable (Includes earth)		No.*mm²	3 x 2.5	3 x 2.5	3 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length / Elevation		m	50 / 30	50 / 30	50 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	6.0 / 6.7	7.6 / 7.7	9.5 / 9.0
Air flow rate		m³/min	58	58	58
Additional Refrigerant Charge (Over 10.0m)		g/m	20	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UB36H
•UB42H
•UB48H

UU36WH / UU42WH / UU48WH

Specifications

Indoor Unit

			UB36H NR1	UB42H NR1	UB48H NR1
Nominal Capacity (Min-Rating-Max)	Cooling	kw	4.8 ~ 10.0 ~ 14.1	5.0 ~ 12.5 ~ 15.0	5.6 ~ 13.4 ~ 16.0
		Btu/h	16,380 ~ 34,120 ~ 48,110	17,060 ~ 42,650 ~ 51,180	19,100 ~ 45,720 ~ 54,590
	Heating	kw	5.2 ~ 11.2 ~ 14.5	5.6 ~ 14.0 ~ 17.6	6.6 ~ 15.5 ~ 18.5
		Btu/h	17,740 ~ 38,220 ~ 49,480	19,110 ~ 47,770 ~ 60,050	22,520 ~ 52,890 ~ 63,120
Nominal Input (Rating)	Cooling	kw	2.69	3.67	4.15
	Heating	kw	2.51	3.25	3.82
Running Current	Cooling / Heating	A	1.2 / 1.2	1.2 / 1.2	1.2 / 1.2
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	3.72	3.41	3.23
COP	Heating	kw/kw	4.46	4.31	4.06
Annual energy consumption	Cooling	kWh	1345	1835	2075
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	34 / 27 / 20	37 / 31 / 24	40 / 34 / 28
Sound Level (H/M/L)		dB(A)±3	38 / 37 / 36	39 / 38 / 37	39 / 38 / 37
Dehumidification Rate		l/h	4.0	5.0	5.0
Dimensions (WxHxD)	Body	mm	1230x380x590	1230x380x590	1230x380x590
Weight	Body	kg	53	53	53
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)
	Drain (OD/ID)	mm	32 / 26	32 / 26	32 / 26

Outdoor Unit

			UU36WH U31	UU42WH U31	UU48WH U31
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g	3600	3600	3600
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Diacharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	51 / 53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
Dimensions	WxHxD	mm	950x1380x330	950x1380x330	950x1380x330
Net Weight	Outdoor	kg	103	103	103
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)
Circuit Breaker		A	40	40	40
Power Supply Cable (Includes earth)		No.*mm²	3 x 5.0	3 x 5.0	3 x 5.0
Inter-unit Cable (Includes earth)		No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length / Elevation		m	75 / 30	75 / 30	75 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	11.5 / 11.3	16.8 / 15.0	18.7 / 18.0
Air flow rate		m³/min	55 x 2	55 x 2	55 x 2
Additional Refrigerant Charge (Over 10.0m)		g/m	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UB36H •UB42H •UB48H

3Phase High Efficiency Inverter

UU37WH / UU43WH / UU49WH

Specifications

Indoor Unit

			UB36H NR1	UB42H NR1	UB48H NR1
Nominal Capacity (Min–Rating–Max)	Cooling	kw	4.8 – 10.0 – 14.1	5.0 – 12.5 – 15.0	5.6 – 13.4 – 16.0
		Btu/h	16,380 – 34,120 – 48,110	17,060 – 42,650 – 51,180	19,100 – 45,720 – 54,590
	Heating	kw	5.2 – 11.2 – 14.5	5.6 – 14.0 – 17.6	6.6 – 15.5 – 18.5
		Btu/h	17,740 – 38,220 – 49,480	19,110 – 47,770 – 60,050	22,520 – 52,890 – 63,120
Nominal Input (Rating)	Cooling	kw	2.69	3.67	4.15
	Heating	kw	2.51	3.25	3.82
Running Current	Cooling / Heating	A	1.2 / 1.2	1.2 / 1.2	1.2 / 1.2
Power Supply		Ø/V/Hz	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50
EER	Cooling	kw/kw	3.72	3.41	3.23
COP	Heating	kw/kw	4.46	4.31	4.06
Annual energy consumption	Cooling	kWh	1345	1835	2075
Operational Temperature	Cooling	°CDB	-10 – 48	-10 – 48	-10 – 48
Range	Heating	°CWB	-15 – 18	-15 – 18	-15 – 18
Air Flow Rate (H/M/L)		m³/min	34 / 27 / 20	37 / 31 / 24	40 / 34 / 28
Sound Level (H/M/L)		dB(A)±3	38 / 37 / 36	39 / 38 / 37	39 / 38 / 37
Dehumidification Rate		l/h	4.0	5.0	5.0
Dimensions (WxHxD)	Body	mm	1230x380x590	1230x380x590	1230x380x590
Weight	Body	kg	53	53	53
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)
	Drain (OD/ID)	mm	32 / 26	32 / 26	32 / 26

Outdoor Unit

			UU37WH U31	UU43WH U31	UU49WH U31
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g	3600	3600	3600
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	51 / 53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
Dimensions	WxHxD	mm	950x1380x330	950x1380x330	950x1380x330
Net Weight	Outdoor	kg	103	103	103
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)
Circuit Breaker		A	15	15	15
Power Supply Cable (Includes earth)		No.*mm²	5.0 x 2.5	5.0 x 2.5	5.0 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4.0x0.75	4.0x0.75	4.0x0.75
Max. Piping Length / Elevation		m	75/30	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	4.2/4.1	6.0/5.7	6.7/6.5
Air flow rate		m³/min	55x2	55x2	55x2
Additional Refrigerant Charge (Over 10.0m)		g/m	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UB18 •UB24 •UB30 •UB36 •UB42 •UB48 •UB60

DC Inverter

UU18W

UU24W / UU30W

UU36W

UU48W / UU60W

Specifications

Indoor Unit

			UB18 NHD	UB24 NHD	UB30 NGD	UB36 NGD	UB42 NRD	UB48 NRD	UB60 NRD
Nominal Capacity (Min–Rating–Max)	Cooling	kw	1.98–4.95–5.44	2.84–7.1–7.81	3.2–8.0–8.8	4.0–9.8–11.0	5.0–12.5–13.8	5.6–14.0–15.4	5.92–14.8–16.3
		Btu/h	6,756–16,890–18,562	9,680–24,200–26,620	10,920–27,300–30,030	13,640–34,100–37,500	17,060–42,650–46,910	19,100–47,770–52,540	20,200–50,500–55,550
	Heating	kw	2.4–6.0–6.6	3.2–8.0–8.8	3.6–9.0–9.9	4.48–11.2–12.3	5.6–14.0–15.4	6.6–16.4–18.2	6.8–16.8–18.7
		Btu/h	8,120–20,300–22,330	10,920–27,300–30,030	12,280–30,700–33,770	15,280–38,200–42,020	19,108–47,770–52,540	22,520–56,300–61,930	23,200–58,000–63,800
Nominal Input (Rating)	Cooling	kw	1.54	2.62	2.65	3.25	4.15	4.65	5.26
	Heating	kw	1.66	2.75	2.49	3.28	3.73	4.54	4.57
Running Current	Cooling / Heating	A	0.92	0.92	1.34	1.42	3.65	3.65	3.65
Power Supply		Ø/V/Hz	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50
EER	Cooling	kw/kw	3.21	2.71	3.01	3.25	3.01	3.01	2.81
COP	Heating	kw/kw	3.61	2.91	3.61	3.28	3.75	3.61	3.67
Annual energy consumption	Cooling	kWh	770	1308	1420	1755	2075	2915	3145
Operational Temperature	Cooling	°CDB	-10 – 43	-10 – 43	-10 – 43	-10 – 43	-10 – 43	-10 – 43	-10 – 43
Range	Heating	°CWB	-10 – 18	-10 – 18	-10 – 18	-10 – 18	-10 – 18	-10 – 18	-10 – 18
Air Flow Rate (H/M/L)		m³/min	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
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	2.5	3.3	4.0	5.0	6.0	6.5
Dimensions (WxHxD)	Body	mm	882×260×450	882×260×450	1,182×298×450	1,182×298×450	1230×380×590	1230×380×590	1230×380×590
Weight	Body	kg	35	35	38	38	60	60	62
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 UED1	UU24W UED	UU30W UED	UU36W UED	UU42W U3D	UU48W U3D	UU60W U3D
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g	1500	2000	2000	2500	3600	3600	3600
	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	51 / 45	52 / 46	52 / 46	56 / 52	55 / 51	55 / 51	55 / 51
Dimensions	WxHxD	mm	870×655×320	870×808×320	870×808×320	870×1060×320	950×1380×330	950×1380×330	950×1380×330
Net Weight	Outdoor	kg	48	60	60	75	103	103	103
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)
Circuit Breaker		A	15	30	30	30	40	40	40
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
Inter-unit Cable (Includes earth)		No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length / Elevation		m	40 / 30	50 / 30	50 / 30	50 / 30	75 / 30	75 / 30	75 / 30
Power Supply		Ø/V/Hz	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50
Running Current	Cooling / Heating	A	7.01 / 7.42	10.0 / 10.7	12.0 / 13.0	14.0 / 14.2	17.7 / 16.7	20.5 / 20.5	24.7 / 23.5
Air flow rate		m³/min	50	58	58	32 × 2	55 × 2	55 × 2	55 × 2
Additional Refrigerant Charge (Over 7.5m)		g/m	20	35	35	50	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UB36 •UB42 •UB48 •UB60

UU37W

UU43W / UU49W / UU61W

Specifications

Indoor Unit

			UB36 NGD	UB42 NRD	UB48 NRD	UB60 NRD
Nominal Capacity (Min–Rating–Max)	Cooling	kw	4.0 – 10.0 – 11.0	5.0 – 12.5 – 13.8	5.6 – 14.0 – 15.4	5.92 – 14.8 – 16.3
		Btu/h	13,640 – 34,100 – 37,500	17,060 – 42,650 – 46,910	19,100 – 47,770 – 52,540	20,200 – 50,500 – 55,550
	Heating	kw	4.48 – 11.2 – 12.3	5.6 – 14.0 – 15.4	6.6 – 16.7 – 18.2	6.8 – 17.0 – 18.7
		Btu/h	15,280 – 38,200 – 42,020	19,108 – 47,770 – 52,540	22,520 – 56,300 – 61,930	23,200 – 58,000 – 63,800
Nominal Input (Rating)	Cooling	kw	3.51	4.15	4.65	5.26
	Heating	kw	3.49	3.82	4.57	4.7
Running Current	Cooling / Heating	A	1.42	3.65	3.65	3.65
Power Supply		Ø/V/Hz	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50
EER	Cooling	kw/kw	2.85	3.01	3.01	2.81
COP	Heating	kw/kw	3.21	3.66	3.61	3.61
Annual energy consumption	Cooling	kWh	1755	2075	2915	3145
Operational Temperature	Cooling	°CDB	-10 – 43	-10 – 43	-10 – 43	-10 – 43
Range	Heating	°CWB	-10 – 18	-10 – 18	-10 – 18	-10 – 18
Air Flow Rate (H/M/L)		m^3/min	32 / 29 / 26	36 / 32 / 38	40 / 35 / 30	50 / 45 / 40
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	5	6	6.5
Dimensions (WxHxD)	Body	mm	1180×298×450	1230×380×590	1230×380×590	1230x380x590
Weight	Body	kg	38	60	60	62
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	2500	3600	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	dB(A)±3	54 / 50	55 / 51	55 / 51	55 / 51
Dimensions	WxHxD	mm	870×1060×320	950×1380×330	950×1380×330	950x1380x330
Net Weight	Outdoor	kg	80	103	103	103
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)
Circuit Breaker		A	15	15	15	15
Power Supply Cable (Includes earth)		No.*mm^2	5.0 x 2.5	5.0 x 2.5	5.0 x 2.5	5.0 x 2.5
Inter-unit 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	3 / 380 – 415 / 50	3 / 380 – 415 / 50	3 / 380 – 415 / 50	3 / 380 – 415 / 50
Running Current	Cooling / Heating	A	3.7 / 3.9	4.09 / 4.28	4.98 / 5.23	5.91 / 5.79
Air flow rate		m^3/min	32 x 2	55 x 2	55 x 2	55 x 2
Additional Refrigerant Charge (Over 7.5m)		g/m	45	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

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.

Flexible Installation

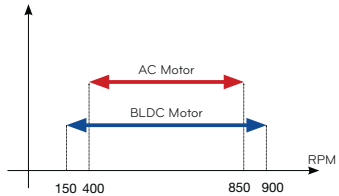
The Ceiling & Floor model can be installed either ceiling or floor. So you can save the space when you install this units on your shop or office.

*Floor is only for DC inverter

High Efficiency BLDC Motor

H-inverter models can extend the RPM range compare to normal AC Motors

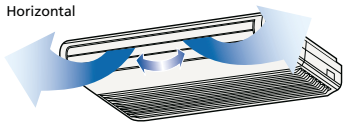
- More efficiency than ordinary model
- Wide range of RPM



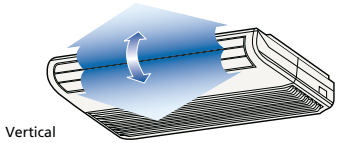
*Based on 5.0kw ODU

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.



Ez-Remote Controller

User Friendly & Modern Design and Easy use!!
-Comfortable to grab
- Sliding type
- Bigger size button
- Highlighted some buttons with different colors
- Easy to recognize functions withgraphics

Weekly Program

You can set the daily temperature and automatic on/off times for one week Weekly reservation keeps operating until it is cancelled by the user

-Indoor unit is turned on to the desired temperature, the TEMP up/down buttons can be used to set the desired present or preset temperature.
(Temperature selection range : 18°C~30°C)
-When desired temperature is not set, it is turned on automatically with the desired temperature of the previous operation
*This is only for all H-inverter convertible model and UV09,UV12 standard inverter model. PVRCUSZ0 Remote Controller will be provided for the rest of standard inverter model.

*It is possible 4 times setting a day but PVRCUSZ0 can be only 1 time.

•UV12H
•UV18H
•UV21H
•UV24H

UV12H, UV18H

UV21H , UV24H

UU12WH UU18WH UU21WH /UU24WH

Specifications

Indoor Unit

			UV12H NJ1	UV18H NJ1	UV21H NK1	UV24H NK1
Nominal Capacity (Min-Rating-Max)	Cooling	kw	1.4-3.5-4.2	2.0-5.0-5.5	2.8-6.0-8.0	2.8-7.0-8.4
		Btu/h	4,770-11,900-14,300	6,820-17,060-18,760	9,550-20,470-27,300	9,550-23,900-28,660
	Heating	kw	1.6-4.0-4.8	2.2-5.4-6.05	3.1-7.0-9.0	3.2-7.7-9.2
		Btu/h	4,780-13,650-16,380	7,510-18,430-20,640	10,580-23,900-30,700	10,920-26,270-31,390
Nominal Input (Rated)	Cooling	kw	1.03	1.31	1.6	1.94
	Heating	kw	1.05	1.50	1.66	1.92
Running Current	Cooling / Heating	A	0.6	0.6	0.7	0.7
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw	3.40	3.81	3.75	3.61
COP	Heating	kw/kw	3.81	3.61	4.22	4.01
Annual energy consumption	Cooling	kWh	515	655	800	970
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	12.4/11.4/10.4	13.9/12.9/11.9	20.4/18.8/17.2	21.4/19.8/18.2
Sound Level ((H/M/L/LL)		dB(A)±3	42 / 40 / 39 / 37	44 / 43 / 41 / 40	44 / 42 / 40 / 40	45 / 44 / 41 / 40
Dehumidification Rate		l/h	0.58	1.63	1.86	1.86
Dimensions (WxHxD)	Body	mm	950x650x220	950x650x220	1350x650x220	1350x650x220
Weight	Body	kg	24.6	24.6	35	35
Piping Connections	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas	mm(inch)	9.52(3/8)	12.7(1/2)	15.88(5/8)	15.88(5/8)

Outdoor Unit

			UU12WH UE1	UU18WH UE1	UU21WH U41	UU24WH U41
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g	1,200	2,000	2,200	2,200
	Type		R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Diacharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	48 / 48	47 / 50	47 / 50	47 / 50
	Night Operation	dB(A)±3	45	39	44	44
Dimensions	WxHxD	mm	870x655x320	870x808x320	950x834x330	950x834x320
Net Weight	Outdoor	kg	46	58	63	63
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)
Circuit Breaker		A	15	20	25	25
Power Supply Cable (Includes earth)		No.*mm²	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5
Inter-unit 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	30 / 20	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	4.4 / 4.6	6.0 / 6.7	7.6 / 7.7	9.5 / 9.0
Air flow rate		m³/min	50	58	58	58
Additional Refrigerant Charge (Over 10.0m)		g/m	20	20	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UV36H
•UV42H
•UV48H

UV36H, UV42H, UV48H

UU36WH / UU42WH / UU48WH

Specifications

Indoor Unit

			UV36H NL1	UV42H NL1	UV48H NL1
Nominal Capacity (Min-Rating-Max)	Cooling	kw	4.3-9.5-12.4	5.0-12.5-14.9	5.4-13.3-16.1
		Btu/h	14,670-32,420-42,310	17,060-42,650-50,840	18,430-45,380-54,940
	Heating	kw	4.2-10.5-13.7	5.4-13.6-16.3	6.2-15-17.8
		Btu/h	14,330-35,830-46,750	18,430-46,410-55,620	21,160-51,180-60,740
Nominal Input (Rated)	Cooling	kw	2.63	3.89	4.42
	Heating	kw	2.62	3.57	4.16
Running Current	Cooling / Heating	A	0.9	0.9	0.9
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw	3.61	3.21	3.01
COP	Heating	kw/kw	4.01	3.81	3.61
Annual energy consumption	Cooling	kWh	1315	1945	2210
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	28.6/26.9/25.2	30/28.3/26.6	31.5/29.7/28
Sound Level ((H/M/L/LL)		dB(A)±3	46 / 44 / 43 / 42	47 / 46 / 44 / 43	48 / 47 / 45 / 44
Dehumidification Rate		l/h	2.93	4.77	5.05
Dimensions (WxHxD)	Body	mm	1750×650×220	1750×650×220	1750×650×220
Weight	Body	kg	45	45	45
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

			UU36WH U31	UU42WH U31	UU48WH U31
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g	3600	3600	3600
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Diacharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	51 / 53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
Dimensions	WxHxD	mm	950x1380x330	950x1380x330	950x1380x330
Net Weight	Outdoor	kg	103	103	103
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)
Circuit Breaker		A	40	40	40
Power Supply Cable (Includes earth)		No.*mm²	3 x 5.0	3 x 5.0	3 x 5.0
Inter-unit Cable (Includes earth)		No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length / Elevation		m	75 / 30	75 / 30	75 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	11.5 / 11.3	16.8 / 15.0	18.7 / 18.0
Air flow rate		m³/min	55 x 2	55 x 2	55 x 2
Additional Refrigerant Charge (Over 10.0m)		g/m	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UV36H
•UV42H
•UV48H

3Phase High Efficiency Inverter

UV36H, UV42H, UV48H

UU37WH / UU43WH / UU49WH

Specifications

Indoor Unit

			UV36H NL1	UV42H NL1	UV48H NL1
Nominal Capacity (Min-Rating-Max)	Cooling	kw	4.3-9.5-12.4	5.0-12.5-14.9	5.4-13.3-16.1
		Btu/h	14,670-32,420-42,310	17,060-42,650-50,840	18,430-45,380-54,940
	Heating	kw	4.2-10.5-13.7	5.4-13.6-16.3	6.2-15-17.8
		Btu/h	14,330-35,830-46,750	18,430-46,410-55,620	21,160-51,180-60,740
Nominal Input (Rated)	Cooling	kw	2.63	3.89	4.42
	Heating	kw	2.62	3.57	4.16
Running Current	Cooling / Heating	A	0.9	0.9	0.9
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw	3.61	3.21	3.01
COP	Heating	kw/kw	4.01	3.81	3.61
Annual energy consumption	Cooling	kWh	1315	1945	2210
Operational Temperature	Cooling	°CDB	-10 ~ 48	-10 ~ 48	-10 ~ 48
Range	Heating	°CWB	-15 ~ 18	-15 ~ 18	-15 ~ 18
Air Flow Rate (H/M/L)		m³/min	28.6/26.9/25.2	30/28.3/26.6	31.5/29.7/28
Sound Level ((H/M/L/LL)		dB(A)±3	46 / 44 / 43 / 42	47 / 46 / 44 / 43	48 / 47 / 45 / 44
Dehumidification Rate		l/h	2.93	4.77	5.05
Dimensions (WxHxD)	Body	mm	1750×630×220	1750×630×220	1750×630×220
Weight	Body	kg	45	45	45
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

			UU37WH U31	UU43WH U31	UU49WH U31
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Charge	Charge	g(oz)	3600(127)	3600(127)	3600(127)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	Cooling/Heating	dB(A)±3	51 / 53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
Dimensions	WxHxD	mm	950x1380x330	950x1380x330	950x1380x330
Net Weight	Outdoor	kg	103	103	103
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)
Circuit Breaker		A	15	15	15
Power Supply Cable (Includes earth)		No.*mm²	5.0 x 2.5	5.0 x 2.5	5.0 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4*0.75	4*0.75	4*0.75
Max. Piping Length / Elevation		m	75/30	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	4.2/4.1	6.0/5.7	6.7/6.5
Air flow rate		m³/min	55x2	55x2	55x2
Additional Refrigerant Charge (Over 10.0m)		g/m	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UV09 •UV12
•UV18 •UV24
•UV30

DC Inverter

UV09/UV12

UV18~UV30

UU09W/UU12W

UU18W

UU24W/UU30W

Specifications

Indoor Unit

			UV09 NED	UV12 NED	UV18 NBD	UV24 NBD	UV30 NBD
Nominal Capacity (Min-Rating-Max)	Cooling	kw	1.0 ~ 2.5 ~ 2.75	1.32 ~ 3.3 ~ 3.63	1.92 ~ 4.8 ~ 5.28	2.8 ~ 7.0 ~ 7.7	3.04 ~ 7.6 ~ 8.36
		Btu/h	3,410 ~ 8,530 ~ 9,380	4,504 ~ 11,260 ~ 12,386	6,510 ~ 16,378 ~ 18,016	9,553 ~ 23,884 ~ 26,272	10,373 ~ 25,932 ~ 28,525
	Heating	kw	1.2 ~ 3.0 ~ 3.3	1.52 ~ 3.8 ~ 4.18	2.04 ~ 5.1 ~ 5.61	3.08 ~ 7.7 ~ 8.47	3.36 ~ 8.4 ~ 9.24
		Btu/h	4,090 ~ 10,240 ~ 11,260	5,186 ~ 12,966 ~ 14,262	6,960 ~ 17,401 ~ 19,142	10,509 ~ 26,274 ~ 28,901	11,464 ~ 28,662 ~ 31,528
Nominal Input (Rated)	Cooling	kw	0.75	1.09	1.49	2.30	2.68
	Heating	kw	0.83	1.18	1.49	2.74	2.99
Running Current	Cooling / Heating	A	0.13	0.13	0.56	0.56	0.56
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	3.33	3.03	3.22	3.04	2.84
COP	Heating	kw/kw	3.61	3.22	3.42	2.81	2.81
Annual energy consumption	Cooling	kWh	375	545	745	1150	1340
Operational Temperature	Cooling	°CDB	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range	Heating	°CWB	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18
Air Flow Rate (H/M/L)		m³/min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.59	13.5 / 12 / 11	15 / 13.5 / 12	18 / 16 / 14
Sound Level (H/M/L)		dB(A)±3	38 / 35 / 32	40 / 36 / 31	43 / 40 / 37	45 / 42 / 39	45 / 42 / 39
Dehumidification Rate		l/h	1.2	1.2	2.3	3.2	3.5
Dimensions (WxHxD)	Body	mm	900×200×490	900×200×490	1,200×205×615	1,200×205×615	1,200×205×615
Weight	Body	kg	13.7	13.7	30	30	30
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)

Outdoor Unit

			UU09W ULD	UU12W ULD	UU18W UED1	UU24W UED	UU30W UED
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g	1000	1000	1500	2000	2000
	Type		R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	48 / 42	48 / 42	51 / 45	52 / 46	52 / 46
Dimensions	WxHxD	mm	770×540×245	770×540×245	870×655×320	870×808×320	870×808×320
Net Weight	Outdoor	kg	32	32	48	60	60
Piping connection	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Circuit Breaker		A	15	15	15	30	30
Power Supply Cable (Includes earth)		No.*mm²	3 × 1.5	3 × 1.5	3 x 2.5	3 × 2.5	3 × 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4 × 0.75	4 × 0.75	4 × 0.75	4 × 0.75	4 × 0.75
Max. Piping Length / Elevation		m	15 / 10	15 / 10	40 / 30	50 / 30	50 / 30
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
Running Current	Cooling / Heating	A	3.42 / 3.87	5.02 / 5.03	7.1 / 7.1	10.0 / 10.7	12.0 / 13.0
Air flow rate		m³/min	50	50	50	58	58
Additional Refrigerant Charge (Over 7.5m)		g/m	20	20	20	35	35

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UV36 •UV42 •UV48 •UV60

UV36

UV42, UU48 , UV60

UU36W

UU42W / UU48W / UU60W

Specifications

Indoor Unit

			UV36 NKD	UV42 NLD	UV48 NLD	UV60 NLD
Nominal Capacity (Min-Rating-Max)	Cooling	kw	3.8 ~ 9.5 ~ 10.5	5.0 ~ 12.5 ~ 13.8	5.32 ~ 13.3 ~ 14.6	5.72 ~ 14.4 ~ 15.7
		Btu/h	12,960 ~ 32,400 ~ 35,640	17,060 ~ 42,650 ~ 46,915	18,160 ~ 45,400 ~ 49,940	195,20 ~ 48,800 ~ 53,680
	Heating	kw	4.2 ~ 10.5 ~ 11.6	5.6 ~ 13.6 ~ 15.4	6.4 ~ 15.3 ~ 17.6	6.8 ~ 16.8 ~ 18.7
		Btu/h	14,320 ~ 35,800 ~ 39,380	19,108 ~ 47,770 ~ 52,547	21,840 ~ 54,600 ~ 60,060	23,200 ~ 58,000 ~ 63,800
Nominal Input (Rated)	Cooling	kw	3.32	4.00	4.41	5.3
	Heating	kw	3.27	3.98	4.76	5.5
Running Current	Cooling / Heating	A	0.97	1.34	1.34	1.34
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	2.86	3.12	3.01	2.71
COP	Heating	kw/kw	3.21	3.41	3.21	3.05
Annual energy consumption	Cooling	kWh	1660	2075	2325	2630
Operational Temperature	Cooling	°CDB	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range	Heating	°CWB	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18
Air Flow Rate (H/M/L)		m³/min	29 / 27 / 24	32 / 30 / 28	36 / 34 / 32	38 / 36 / 34
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	1350×650×220	1750×650×220	1750×650×220	1750×650×220
Weight	Body	kg	35	45	45	45
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	2500	3600	3600	3600
	Type		R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	56 / 52	55 / 51	55 / 51	55 / 51
Dimensions	WxHxD	mm	870×1060×320	950×1380×330	950×1380×330	950×1380×330
Net Weight	Outdoor	kg	75	103	103	103
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)
Circuit Breaker		A	30	40	40	40
Power Supply Cable (Includes earth)		No.*mm²	3 × 2.5	3 × 3.5	3 × 3.5	3 × 3.5
Inter-unit Cable (Includes earth)		No.*mm²	4 × 0.75	4 × 0.75	4 × 0.75	4 × 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 flow rate		m³/min	32 × 2	55 × 2	55 × 2	55 × 2
Additional Refrigerant Charge (Over 7.5m)		g/m	50	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

•UV36 •UV42 •UV48 •UV60

UV36

UV42, UV48 , UV60

UU37W

UU43W / UU49W / UU61W

Specifications

Indoor Unit

			UV36 NKD	UV42 NLD	UV48 NLD	UV60 NLD
Nominal Capacity (Min-Rating-Max)	Cooling	kw	3.8 ~ 9.5 ~ 10.5	5.0 ~ 12.5 ~ 13.8	5.32 ~ 13.3 ~ 14.6	5.72 ~ 14.4 ~ 15.7
		Btu/h	12,960 ~ 32,400 ~ 35,640	17,060 ~ 42,650 ~ 46,915	18,160 ~ 45,400 ~ 49,940	19,520 ~ 48,800 ~ 53,680
	Heating	kw	4.2 ~ 10.5 ~ 11.6	5.6 ~ 13.6 ~ 15.4	6.4 ~ 15.3 ~ 17.6	6.8 ~ 16.8 ~ 18.7
		Btu/h	14,320 ~ 35,800 ~ 39,380	19,108 ~ 47,770 ~ 52,547	21,840 ~ 54,600 ~ 60,060	23,200 ~ 58,000 ~ 63,800
Nominal Input (Rated)	Cooling	kw	3.32	4	4.41	5.30
	Heating	kw	3.27	3.98	4.76	5.5
Running Current	Cooling / Heating	A	0.97	0.67 x 2	0.67 x 2	0.67 x 2
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50
EER	Cooling	kw/kw	2.86	3.12	3.01	2.71
COP	Heating	kw/kw	3.21	3.41	3.21	3.05
Annual energy consumption	Cooling	kWh	1660	2075	2325	2630
Operational Temperature	Cooling	°CDB	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range	Heating	°CWB	-10 ~ 18	-10 ~ 18	-10 ~ 18	-10 ~ 18
Air Flow Rate (H/M/L)		m³/min	29 / 27 / 24	32 / 30 / 28	36 / 34 / 32	38 / 36 / 34
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	1350×650×220	1750×650×220	1750×650×220	1750×650×220
Weight	Body	kg	35	45	45	45
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	2500	3600	3600	3600
	Type		R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	54 / 50	55 / 51	55 / 51	55 / 51
Dimensions	WxHxD	mm	870×1060×320	950×1380×330	950×1380×330	950×1380×330
Net Weight	Outdoor	kg	80	103	103	103
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)
Circuit Breaker		A	15	15	15	15
Power Supply Cable (Includes earth)		No.*mm²	5.0 x 2.5	5.0 x 2.5	5.0 x 2.5	5.0 x 2.5
Inter-unit Cable (Includes earth)		No.*mm²	4 × 0.75	4 × 0.75	4 × 0.75	4 × 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	3.7 / 3.9	4.09 / 4.28	4.98 / 5.23	5.91 / 5.79
Air flow rate		m³/min	32 × 2	55 × 2	55 × 2	55 × 2
Additional Refrigerant Charge (Over 7.5m)		g/m	45	40	40	40

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

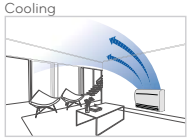
CONSOLE

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

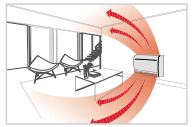
Comfort Air Flow

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

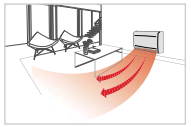
Cooling



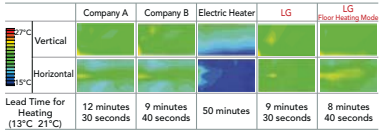
Heating (Nomal)



Heating (Floor Heating Mode)



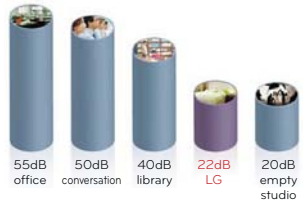
•Quick floor heating
Console air conditioners can operate faster to provider more powerful performance. The results is to attain the desired temperature much faster in floor heating mode than conventional air conditioners.



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

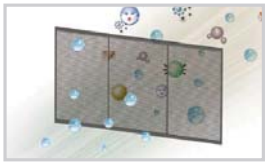
• EZ vane tap control

•Quiet operation (22dB)



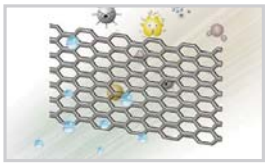
Healthy Air (3 stage air filter system)

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



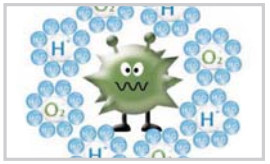
1st Advanced pre filter

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



2nd Allergy Filter

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



3rd Plasma Ion Generator

LG Unique design

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

- **Full front panel**
- **3 dimensional round design**

EZ Installation & SVC

• 6 Way Pipe Installation
6 way connectable pipe offers the flexible installation.

• Sliding-Type PCB at control box
It offers easy access to slide in and out the PCB.

Ez-Remote Controller

User Friendly & Modern Design and Easy use!!
-Comfortable to grab
- Sliding type
- Bigger size button
- Highlighted some buttons with different colors
- Easy to recognize functions withgraphics

Inverter

- CQ09
- CQ12
- CQ18

UU09W/UU12W

UU18W

Specifications

Indoor Unit

			CQ09 NA0	CQ12 NA0	CQ18 NA0
Nominal Capacity (Min-Rating-Max)	Cooling	kw	1.3 – 2.55 – 3.4	1.36 – 3.5 – 3.74	2.0 – 4.6 – 5.5
		Btu/h	4,439 – 8,707 – 11,609	4,644 – 11,950 – 12,770	6,829 – 15,706 – 18,779
	Heating	kw	1.36 – 3.1 – 4.2	1.6 – 4.0 – 4.4	2.2 – 5.0 – 6.0
		Btu/h	4,644 – 10,585 – 14,341	5,463 – 13,658 – 15,023	7,512 – 17,072 – 20,487
Nominal Input (Rated)	Cooling	kw	0.635	1.06	1.49
	Heating	kw	0.74	1.08	1.46
Running Current	Cooling /Heating	A	0.2	0.2	0.2
Power Supply		Ø/V/Hz	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50
EER	Cooling	kw/kw	4.02	3.3	3.09
COP	Heating	kw/kw	4.19	3.7	3.43
Annual energy consumption	Cooling	kWh	317	530	745
Operational Temperature	Cooling	°CDB	-10 – 43	-10 – 43	-10 – 43
Range	Heating	°CWB	-10 – 18	-10 – 18	-10 – 18
Air Flow Rate (H/M/L)		m^3/min	8.1 / 6.5 / 5.2	8.1 / 6.5 / 5.2	10.1 / 8.6 / 7.2
Sound Level (H/M/L)		dB(A)±3	38 / 32 / 27 / 22	39 / 32 / 27 / 23	44 / 39 / 35 / 32
Dimensions (WxHxD)	Body	mm	700×600×210	700×600×210	700×600×210
	Decorative Panel	mm	696×786×286	696×786×286	696×786×286
Weight	Body	kg	13.8	13.8	13.8
	Gross Weight	kg	16	16	16
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)

Outdoor Unit

			UU09W ULD	UU12W ULD	UU18W UED1
Compressor	Type		Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g	1000	1000	1500(46)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	H/L	dB(A)±3	48 / 42	48 / 42	51 / 45
Dimensions	WxHxD	mm	770×540×245	770×540×245	870×655×320
Net Weight	Outdoor	kg	32	32	48
Piping connection	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Circuit Breaker		A	15	15	15
Power Supply Cable (Includes earth)		No.*mm^2	3 × 1.5	3 × 1.5	3 × 2.5
Inter-unit Cable (Includes earth)		No.*mm^2	4 × 0.75	4 × 0.75	4 × 0.75
Max. Piping Length / Elevation		m	15 / 10	15 / 10	40 / 30
Power Supply		Ø/V/Hz	1 / 220 – 240 / 50	1 / 220 – 240 / 50	1 / 220 – 240 / 50
Running Current	Cooling / Heating	A	3.42 / 3.87	5.02 / 5.03	7.1 / 7.1
Air flow rate		m^3/min	50	50	50
Additional Refrigerant Charge (Over 7.5m)		g/m	20	20	20

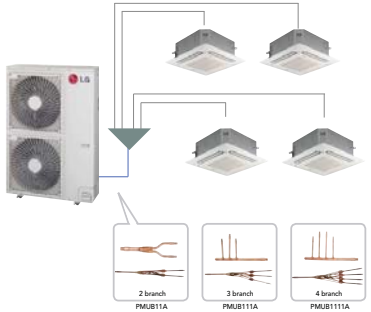
Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB
- Outdoor Temperature 35°C DB /24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

SYNCHRO OPERATION

It offers very useful solution for economic customer because it uses 2,3 or 4 indoor units with one outdoor unit. Each indoor units are running as one cycle with same mode(cooling or heating). It helps same air distribution all arround the middle or larger room(office or open places) even in irregualr shaped spaces.

Synchro

- Simultaneously On/Off (1 Cycle)
- Connectable up to 4 indoor units
- Only using simple branch piping
- H-Inverter : 10.0/12.5/13.4 kW
- 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

- UU36WH
- UU42WH
- UU48WH

Specifications

Indoor Unit

			UT12H/UT18H/UT21H/UT24H N*1 / UV12H/UV18H/UV21H/UV24H N*1 UB18H/UB21H/UB24H N*1
Nominal Capacity	Cooling	Kw	Synchro application(simultaneous operation). Refer to each indoor unit specification ※Bellow functions are not available for Synchro Operation - Group Control, Zone Control, Dry Contact and Auto Changeover
		Btu/h	
(Min~Rating~Max)	Heating	Kw	
		Btu/hr	
Nominal Input	Cooling	Kw	
(Min~Rating~Max)	Heating	Kw	
E.E.R		Kw/Kw	
C.O.P		Kw/Kw	
Operational Temperature	Cooling	°CDB	-10 ~ 48
Range(Outdoor)	Heating	°CWB	-15 ~ 18

Outdoor Unit

			UU36WH U31	UU42WH U31	UU48WH U31
Nominal Capacity	Cooling	kW	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *
(Min~Rated~Max)	Heating	Btu/h			
Norminal Input	Cooling	kW			
(Min~Rated~Max)	Heating	kW			
Running Current	Cooling/Heating	A	11.5/11.3	16.8/15	18.7/18
Power supply		Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Dimensions	WxHxD	mm	840x288x840	840x288x840	840x288x840
Net Weight	Outdoor	kg	103	950x25x950	950x25x950
Refrigerant	Charge*	g	3600	103	103
Air flow rate		m3/min	55*2	55*2	55*2
Noise Level	Cooling/Heating	dB(A)±3	51 /53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
SVC Valve	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)
Max. Interunit	Total Piping(Main+Total Branch)	m	80	80	80
Piping Length	Main Piping	m	45	45	45
	Total Branch Piping	m	40	40	40
	Each Branch Piping	m	15	15	15
Max. Installation	Indoor Unit~Outdoor Unit	m	30	30	30
Height Difference	Indoor Unit~Indoor Unit	m	1	1	1

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

- UU37WH
- UU43WH
- UU49WH

Specifications

Indoor Unit

			UT12H/UT18H/UT21H/UT24H N*1 / UV12H/UV18H/UV21H/UV24H N*1 UB18H/UB21H/UB24H N*1
Nominal Capacity	Cooling	Kw	Synchro application(simultaneous operation). Refer to each indoor unit specification ※Bellow functions are not available for Synchro Operation - Group Control, Zone Control, Dry Contact and Auto Changeover
		Btu/h	
(Min~Rating~Max)	Heating	Kw	
		Btu/hr	
Nominal Input	Cooling	Kw	
(Min~Rating~Max)	Heating	Kw	
E.E.R		Kw/Kw	
C.O.P		Kw/Kw	
Operational Temperature	Cooling	°CDB	-10 ~ 48
Range(Outdoor)	Heating	°CWB	-15 ~ 18

Outdoor Unit

			UU37WH U31	UU43WH U31	UU49WH U31
Nominal Capacity	Cooling	kW	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *
(Min~Rated~Max)	Heating	Btu/h			
Norminal Input	Cooling	kW			
(Min~Rated~Max)	Heating	kW			
Running Current	Cooling/Heating	A	4.2/4.1	6.0/5.7	6.7/6.5
Power supply		Ø/V/Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Dimensions	WxHxD	mm	950x1380x330	950x1380x330	950x1380x330
Net Weight	Outdoor	kg	103	103	103
Refrigerant	Charge*	g	3600	3600	3600
Air flow rate		m3/min	55*2	55*2	55*2
Noise Level	Cooling/Heating	dB(A)±3	51 / 53	51 / 53	51 / 53
	Night Operation	dB(A)±3	47	47	47
SVC Valve	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)
Max. Interunit	Total Piping(Main+Total Branch)	m	80	80	80
Piping Length	Main Piping	m	45	45	45
	Total Branch Piping	m	40	40	40
	Each Branch Piping	m	15	15	15
Max. Installation	Indoor Unit~Outdoor Unit	m	30	30	30
Height Difference	Indoor Unit~Indoor Unit	m	1	1	1

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

- UU42W
- UU48W
- UU60W

Specifications

Indoor Unit

			UT12/UT18/UT24/UT30 N*D UV18/UV24/UV30/UB18/UB24/UB30 N*D
Nominal Capacity	Cooling	Kw	Synchro application(simultaneous operation). Refer to each indoor unit specification ※Bellow functions are not available for Synchro Operation - Group Control, Zone Control, Dry Contact and Auto Changeover
		Btu/h	
(Min~Rating~Max)	Heating	Kw	
		Btu/hr	
Nominal Input	Cooling	Kw	
(Min~Rating~Max)	Heating	Kw	
E.E.R		Kw/Kw	
C.O.P		Kw/Kw	
Operational Temperature	Cooling	°CDB	-10 ~ 43
Range(Outdoor)	Heating	°CWB	-10 ~ 18

Outdoor Unit

			UU42W U3D	UU48W U3D	UU60W U3D
Nominal Capacity	Cooling	kW	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *
(Min~Rated~Max)	Heating	Btu/h			
Norminal Input	Cooling	kW			
(Min~Rated~Max)	Heating	kW			
Running Current	Cooling/Heating	A	17.7/16.7	20.5/20.5	24.7/23.5
Power supply		Ø/V/Hz	1 / 220~240 / 50	1 / 220~240 / 50	1 / 220~240 / 50
Dimensions	WxHxD	mm	950×1380×330	950×1380×330	950×1380×330
Net Weight	Outdoor	kg	103	103	103
Refrigerant	Charge*	g	3600	3600	3600
Air flow rate		m3/min	55×2	55 X 2	55 X 2
Noise Level	H/L	dB(A)±3	55 / 51	55 / 51	55 / 51
SVC Valve	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)
Max. Interunit	Total Piping(Main+Total Branch)	m	80	80	80
Piping Length	Main Piping	m	40	40	40
	Total Branch Piping	m	40	40	40
	Each Branch Piping	m	10	10	10
Max. Installation	Indoor Unit~Outdoor Unit	m	30	30	30
Height Difference	Indoor Unit~Indoor Unit	m	1	1	1

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

- UU43W
- UU49W
- UU61W

Specifications

Indoor Unit

			UT12/UT18/UT24/UT30 N*D UV18/UV24/UV30/UB18/UB24/UB30 N*D
Nominal Capacity	Cooling	Kw	Synchro application(simultaneous operation). Refer to each indoor unit specification ※Bellow functions are not available for Synchro Operation - Group Control, Zone Control, Dry Contact and Auto Changeover
		Btu/h	
(Min~Rating~Max)	Heating	Kw	
		Btu/hr	
Nominal Input	Cooling	Kw	
(Min~Rating~Max)	Heating	Kw	
E.E.R		Kw/Kw	
C.O.P		Kw/Kw	
Operational Temperature	Cooling	°CDB	-10 ~ 43
Range(Outdoor)	Heating	°CWB	-10 ~ 18

Outdoor Unit

			UU43W U3D	UU49W U3D	UU61W U3D
Nominal Capacity	Cooling	kW	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *	*Synchro application (simultaneous operation). Refer to combination table. *
(Min~Rated~Max)	Heating	Btu/h			
Norminal Input	Cooling	kW			
(Min~Rated~Max)	Heating	kW			
Running Current	Cooling/Heating	A	4.09/4.28	4.98/5.23	5.91/5.79
Power supply		Ø/V/Hz	3 / 380~415 / 50	3 / 380~415 / 50	3 / 380~415 / 50
Dimensions	WxHxD	mm	950×1380×330	950×1380×330	950×1380×330
Net Weight	Outdoor	kg	103	103	103
Refrigerant	Charge*	g	3600	3600	3600
Air flow rate		m3/min	55×2	55×2	55 X 2
Noise Level	H/L	dB(A)±3	55 / 51	55 / 51	55 / 51
SVC Valve	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)
Max. Interunit	Total Piping(Main+Total Branch)	m	80	80	80
Piping Length	Main Piping	m	40	40	40
	Total Branch Piping	m	40	40	40
	Each Branch Piping	m	10	10	10
Max. Installation	Indoor Unit~Outdoor Unit	m	30	30	30
Height Difference	Indoor Unit~Indoor Unit	m	1	1	1

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

Combination Table

			Possible combination of indor units								
			Installation scene								
IDU : INDOOR UNIT ODU : OUT DOOR INUT BD : BRANCH DISTRIBUTOR UNIT REMO : WIRED REMOTE CONTROLLER			Duo			Trio			Quartet		
OUTDOOR UNITS	Capacity (kW)		Cassette	Duct	Ceiling & Floor	Cassette	Duct	Ceiling & Floor	Cassette	Duct	Ceiling & Floor
	Cooling	Heating									
UU36WH U31	10.0	11.2	UT18H NP1 *2	UB18H NG1 *2	UV18H NJ1 *2	UT12H NP1 *3	-	-	-	-	-
UU37WH U31			UT18H NP1 *2	UB18H NG1 *2	UV18H NJ1 *2	UT12H NP1 *3	-	-	-		
UU42WH U31	12.5	14.0	UT21H NN1 *2	UB21H NG1 *2	UV21H NK1 *2	UT18H NP1 *3	UB18H NG1 *3	UV18H NJ1 *3	UT12H NP1 *4	-	-
UU43WH U31			UT21H NN1 *2	UB21H NG1 *2	UV21H NK1 *2	UT18H NP1 *3	UB18H NG1 *3	UV18H NJ1 *3	UT12H NP1 *4		
UU48WH U31	13.4	15.5	UT24H NN1 *2	UB24H NG1 *2	UV24H NK1 *2	UT18H NP1 *3	UB18H NG1 *3	UV18H NI1 *3	UT12H NP1 *4	-	-
UU49WH U31			UT24H NN1 *2	UB24H NG1 *2	UV24H NK1 *2	UT18H NP1 *3	UB18H NG1 *3	UV18H NI1 *3	UT12H NP1 *4		
UU42W U3D	12.5	14.0	UT24 NPD *2	UB24 NHD *2	UV24 NBD *2	UT18 NQD *3	UB18 NHD *3	UV18 NBD *3	UT12H NRD *4	-	-
UU43W U3D											
UU48W U3D	14.0	16.0	UT24 NPD *2	UB24 NHD *2	UV24 NBD *2	UT18 NQD *3	UB18 NHD *3	UV18 NBD *3	UT12H NRD *4	-	-
UU49W U3D											
UU60W U3D	15.0	17.0	UT30 NPD *2	UB30 NGD *2	UV30 NBD*2	UT18 NQD *3	UB18 NHD *3	UV18 NBD *3	UT12H NRD *4	-	-
UU61W U3D											
Applied Accessiries	Wired remote controller*				*			*			
	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" for DC inverter, Duct, Convertable(UV18~60) and PQRCVSL0QW for H inverter and the rest of them.

* 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.

Additional Refrigerant Charge

Plz refer to PDB or Installation manual

Branch Pipe

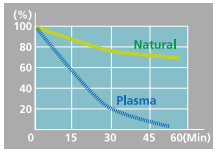
Model Outdoor	Indoor	Indoor Capacity Ratio(%)
PMUB11A	2 units	50:50 (1:1)
PMUB111A	3 units	33:33:33 (1:1:1)
PMUB1111A	4 units	25:25:25:25 (1:1:1:1)

FLOOR STANDING

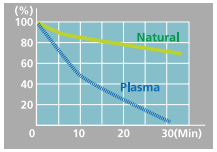
This is a floor standing type that blends in perfectly with the surrounding decoration. Clean and fresh air conditioning is ensured with a high level of cooling or heating performance and air purifying operation.

PLASMA Air Purifying System

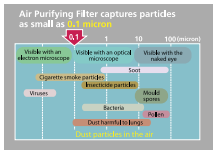
The PLASMA Air Purifying System within the air conditioner removes microscopic contaminants and dust to eliminate offensive odors and prevent allergic reactions. It can also be used as an air-purifying unit even though the air-cooling function is off.



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



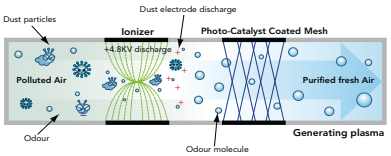
Deodorization
LG's Plasma unit effectively removes high concentration tobacco odors confirmed in Sensory tests of odor index carried out in Korea and Japan.



Anti-Allergy In clinical tests, the plasma unit has earned asatisfaction 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.)

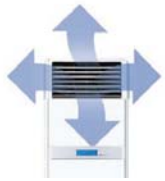
Anti-Bacteria Filter

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



4-Way Auto Swing (P03AH/P05AH

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 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.

Set Type

•P03AH
•P05AH

P03AH P05AH

Specifications

Indoor Unit			P03AH NR1	P05AH NT0
Capacity	Cooling	Kw	8.14	13.48
		Btu/h	27,800	46,000
	Heating	Kw	8.14	14.06
		Btu/h	27,800	48,000
	Electric Heater	Kw	2	4
Input	Cooling	Kw	2.8	5.3
	Heating	Kw	2.8	5
	Electric Heater	Kw	2	4
Running Current	Cooling	A	13	9.5
	Heating	A	13	9.0
	Electric Heater	A	8.7	18.2
Power Supply	Indoor Only	Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50
	Electric Heater	Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER	Cooling	Kw/Kw	2.91	2.54
COP	Heating	Kw/Kw	2.91	2.81
Annual energy consumption	Cooling	kWh	1400	2650
Operational Temperature	Cooling	°CDB	21 ~ 43	21 ~ 43
Range	Heating	°CWB	-10 ~ 18	-10 ~ 18
Air Flow Rate(H/M/L)		m^3/min	19/16/13	30/28/26
Sound Level(H/M/L)		dB(A)±3	50/45/40	53/51/48
Dehumidification Rate		l/h	3.3	6.0
Dimensions(WxHxD)	Body	mm	570×1,820×310	590×1,850×440
Weight	Body	kg	33	60
Piping Connections	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	19.05 (3/4)

Outdoor Unit			P03AH UR1	P05AH UT0
Power Supply		Ø/V/Hz	1 / 220-240 / 50	3 / 380-415 / 50
Refrigerant	Type		R410A	R410A
Fan	Discharge	Side/Top	Side Dischagre	Side Dischagre
Air flow rate		m^3/min	58	104
Noise Level		dB(A)±3	58	58
Dimensions	WxHxD	mm	870×808×320	900×1,165×370
Net Weight	Outdoor	kg	63	90
Circuit Breaker		A	30	30
Piping Connections	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	19.05 (3/4)
Piping Length(Maximum)		m	30	40
Interunit Level difference(Maximum)		m	20	25

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. 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
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

Set Type

•P08AH

P08AH

Specifications

Indoor Unit			P08AH NF1
Capacity	Cooling	Kw	20
		Btu/h	68,200
	Heating	Kw	21.1
		Btu/h	72,000
	Electric Heater	Kw	10
Input	Cooling	Kw	7
	Heating	Kw	6
	Electric Heater	Kw	10
Running Current	Cooling	A	11.1
	Heating	A	10.0
	Electric Heater	A	15.2
Power Supply	Indoor Only	Ø/V/Hz	1 / 220-240 / 50
	Electric Heater	Ø/V/Hz	3 / 380-415 / 50
EER	Cooling	Kw/Kw	2.86
COP	Heating	Kw/Kw	3.52
Annual energy consumption	Cooling	kWh	3500
Operational Temperature	Cooling	°CDB	21 ~ 43
Range	Heating	°CWB	-10 ~ 18
Air Flow Rate(H/M/L)		m^3/min	57/-/48
Sound Level(H/M/L)		dB(A)±3	62/-/59
Dehumidification Rate		l/h	8.1
Dimensions(WxHxD)	Body	mm	1,050×1,880×495
Weight	Body	kg	132
Piping Connections	Liquid	mm(inch)	9.52 (3/8)
	Gas	mm(inch)	19.05 (3/4)

Outdoor Unit			P08AH UF1
Power Supply		Ø/V/Hz	3 / 380-415 / 50
Refrigerant	Type		R410A
Fan	Discharge	Side/Top	Side Dischagre
Air flow rate		m^3/min	135
Noise Level		dB(A)±3	63
Dimensions	WxHxD	mm	950×1,380×330
Net Weight	Outdoor	kg	113
Circuit Breaker		A	30
Piping Connections	Liquid	mm(inch)	9.52 (3/8)
	Gas	mm(inch)	19.05 (3/4)
Piping Length(Maximum)		m	40
Interunit Level difference(Maximum)		m	25

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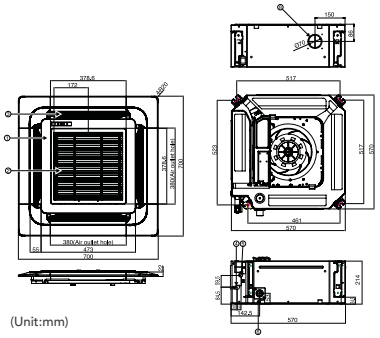
2. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB /19°C WB - Outdoor Temperature 35°C DB /24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB - Outdoor Temperature 7°C DB / 6°C WB
3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

Dimensions _ Ceiling Cassette

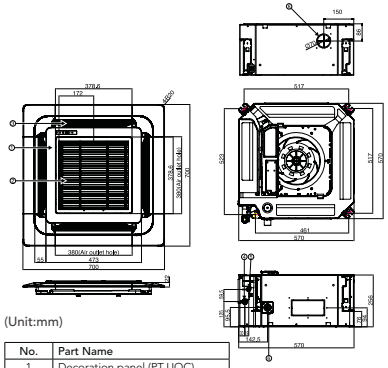
•UT09 NRD
•UT12 NRD



(Unit:mm)

No.	Part Name
1	Decoration panel (PT-UQC)
2	Air suction grille
3	Air discharge grille
4	Gas pipe connection
5	Liquid pipe connection
6	Drain pipe connection
7	Power supply connection
8	Fresh air connection (Ø70)

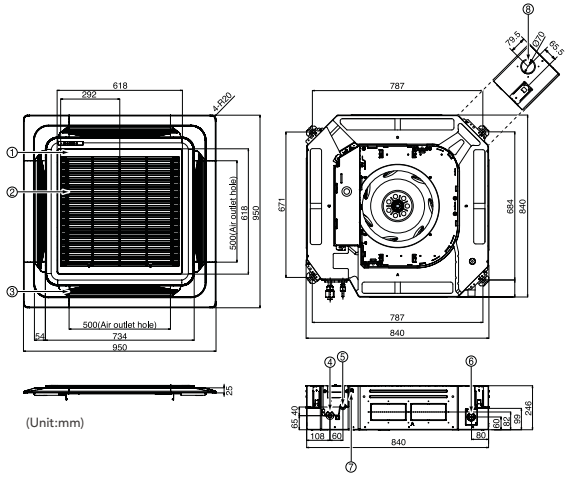
•UT18 NQD



(Unit:mm)

No.	Part Name
1	Decoration panel (PT-UQC)
2	Air suction grille
3	Air discharge grille
4	Gas pipe connection
5	Liquid pipe connection
6	Drain pipe connection
7	Power supply connection
8	Fresh air connection (Ø70)

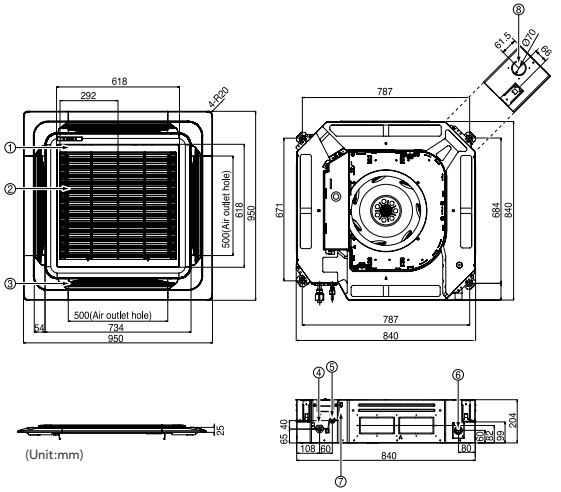
•UT21H NN1
•UT36 NND •UT24H NN1



(Unit:mm)

No.	Part Name
1	Decoration panel (PT-UMC)
2	Air suction grille
3	Air discharge grille
4	Gas pipe connection
5	Liquid pipe connection
6	Drain pipe connection
7	Power supply connection
8	Fresh air connection (Ø70)

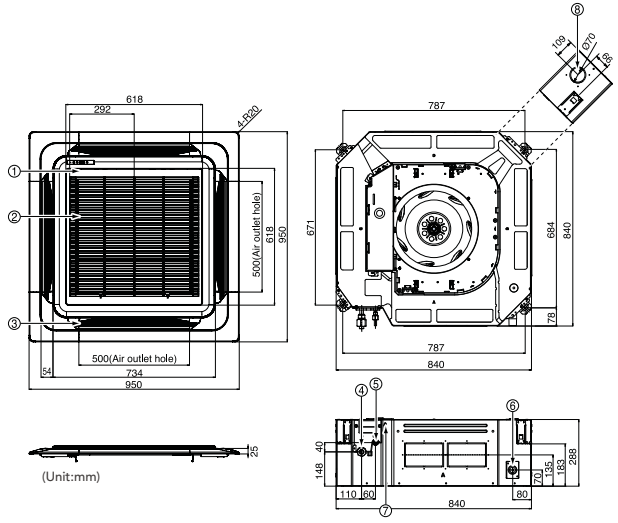
•UT24 NPD •UT12H NP1
•UT30 NPD •UT18H NP1



(Unit:mm)

No.	Part Name
1	Decoration panel (PT-UMC)
2	Air suction grille
3	Air discharge grille
4	Gas pipe connection
5	Liquid pipe connection
6	Drain pipe connection
7	Power supply connection
8	Fresh air connection (Ø70)

•UT42 NMD •UT36H NM1
•UT48 NMD •UT42H NM1
•UT60 NMD •UT48H NM1

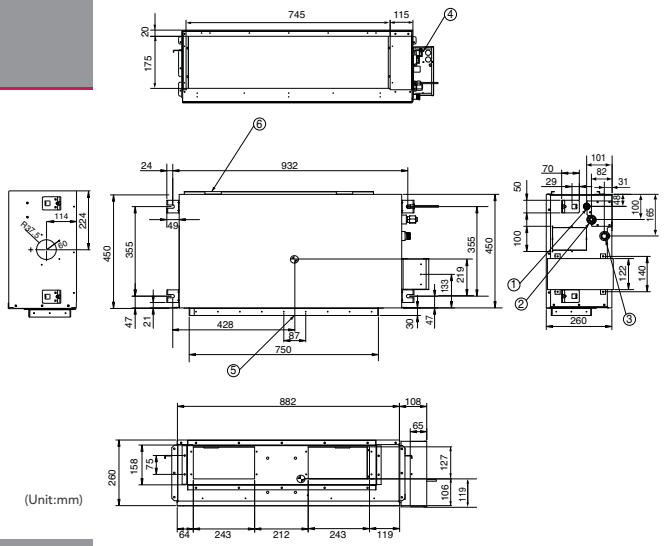


(Unit:mm)

No.	Part Name
1	Decoration panel (PT-UMC)
2	Air suction grille
3	Air discharge grille
4	Gas pipe connection
5	Liquid pipe connection
6	Drain pipe connection
7	Power supply connection
8	Fresh air connection (Ø70)

Dimensions _
Ceiling Concealed Duct

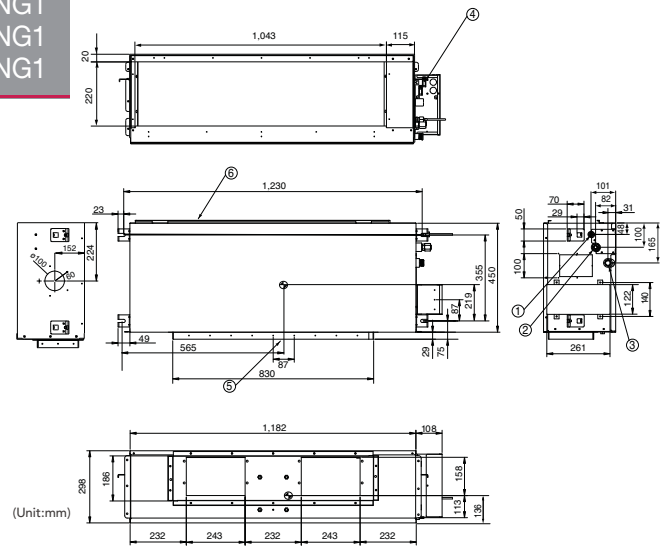
•UB18 NHD
•UB24 NHD



(Unit:mm)

No.	Part Name
1	Liquid pipe connection
2	Gas pipe connection
3	Drain pipe connection
4	Power supply connection
5	Air discharge
6	Air suction

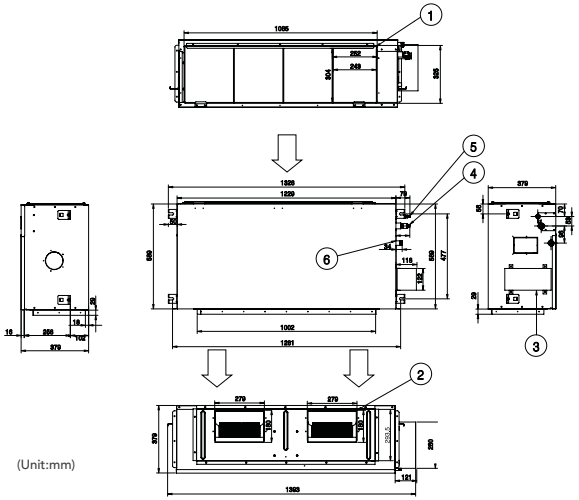
•UB30 NGD •UB18H NG1
•UB36 NGD •UB21H NG1 •UB24H NG1



(Unit:mm)

No.	Part Name
1	Liquid pipe connection
2	Gas pipe connection
3	Drain pipe connection
4	Power supply connection
5	Air discharge
6	Air suction

•UB42 NRD •UB36H NR1
•UB48 NRD •UB42H NR1
•UB60 NRD •UB48H NR1

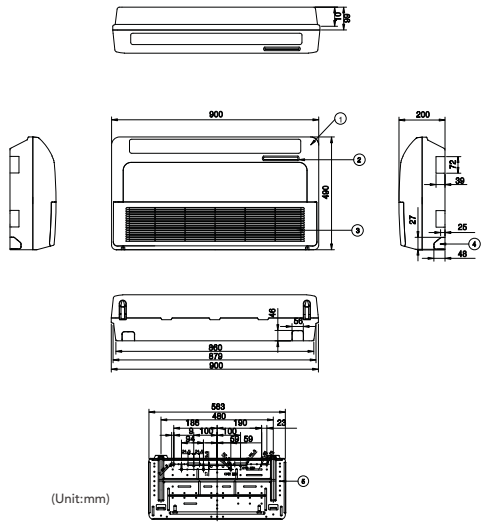


(Unit:mm)

No.	Part Name
1	Air suction flange
2	Air discharge flange
3	Control box
4	Gas pipe connection
5	Luquid pipe connection
6	Drain pipe connection

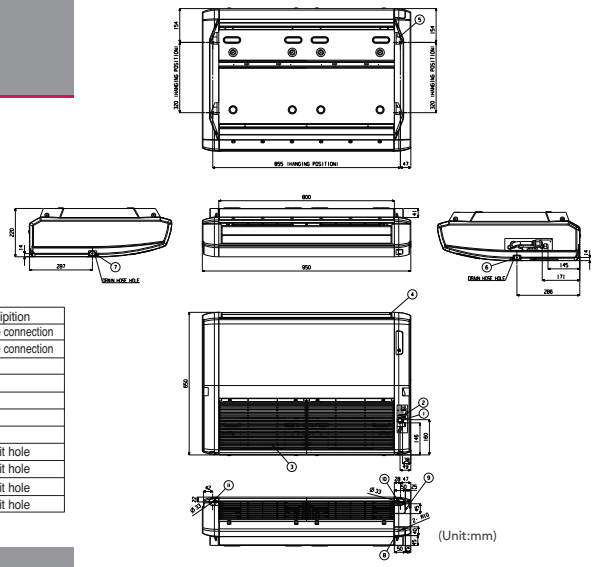
Dimensions _
Ceiling & Floor Ceiling Suspended

•UV09 NED
•UV12 NED



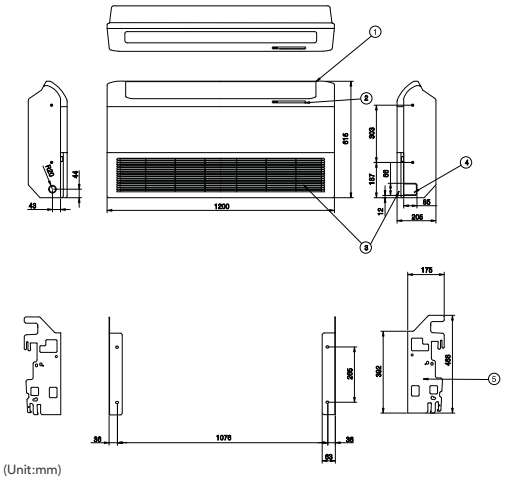
No.	Part Name
1	Front air discharge grille
2	Display & Signal receiver
3	Air suction grille
4	Knockout hole
5	Installation plate

•UV12H NJ1
•UV18H NJ1



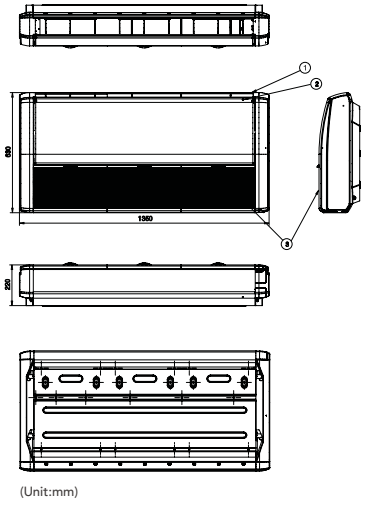
Number	Name	Descripition
1	Liquid pipe	ø6.35 Flare connection
2	Gas pipe	ø12.7 Flare connection
3	Suction gille	
4	Discharge grille	
5	Suspension bracket	
6	Right side drain hose hole	
7	Left side drain hose hole	
8	Wiring connection	Slit hole
9	Piping connection	Slit hole
10	Right side drain pipe connection	Slit hole
11	Left side drain pipe connection	Slit hole

•UV18 NBD
•UV24 NBD
•UV30 NBD



No.	Part Name
1	Front air discharge grille
2	Display & Signal receiver
3	Air suction grille
4	Knockout hole
5	Installation plate

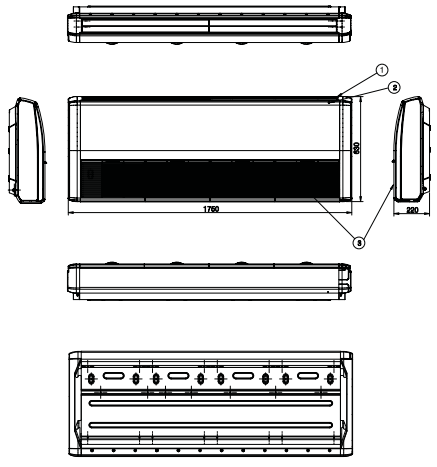
•UV36 NKD
•UV21H NK1
•UV24H NK1



No.	Part Name
1	Front air discharge grille
2	Display & Signal receiver
3	Air suction grille

Dimensions _ Ceiling & Floor Ceiling Suspended

- UV42 NLD
- UV48 NLD
- UV60 NLD
- UV36H NL1
- UV42H NL1
- UV48H NL1

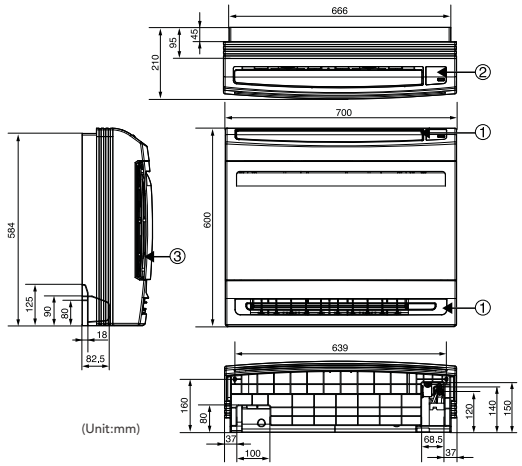


(Unit:mm)

No.	Part Name
1	Front air discharge grille
2	Display & Signal receiver
3	Air suction grille

Dimensions _ Console

- CQ09 NA0
- CQ12 NA0
- CQ18 NA0

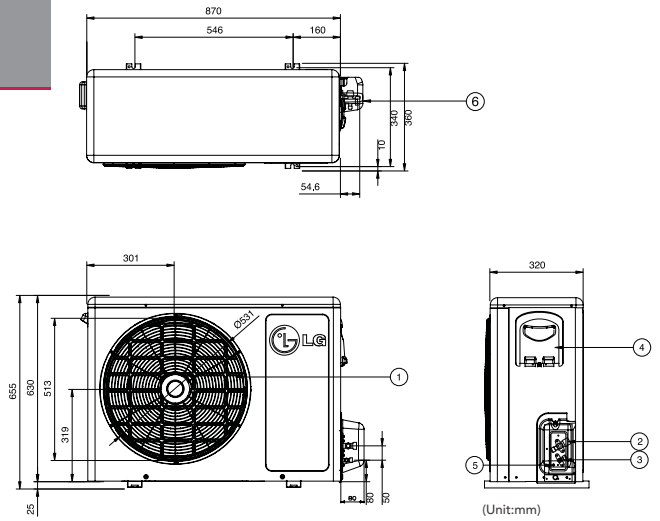


(Unit:mm)

No.	Part Name
1	Front air discharge grille
2	Display & Signal receiver
3	Air suction grille

Dimensions _ Universal Outdoor

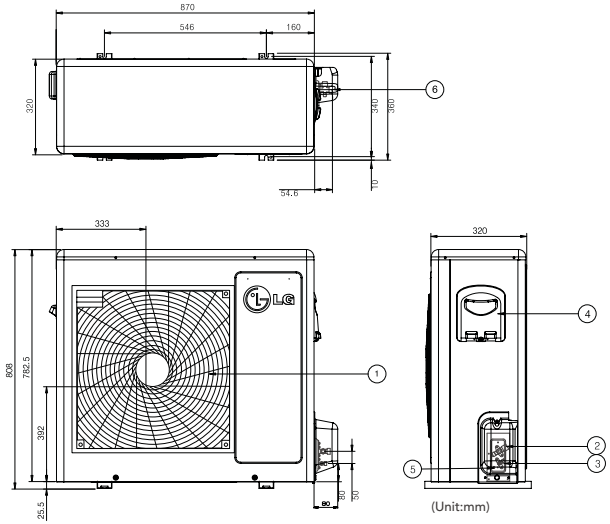
- UU12WH UE1



(Unit:mm)

No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission connection
5	Earth screw
6	SVC valve cover

- UU18WH NE1



(Unit:mm)

No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission connection
5	Earth screw
6	SVC valve cover