




















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

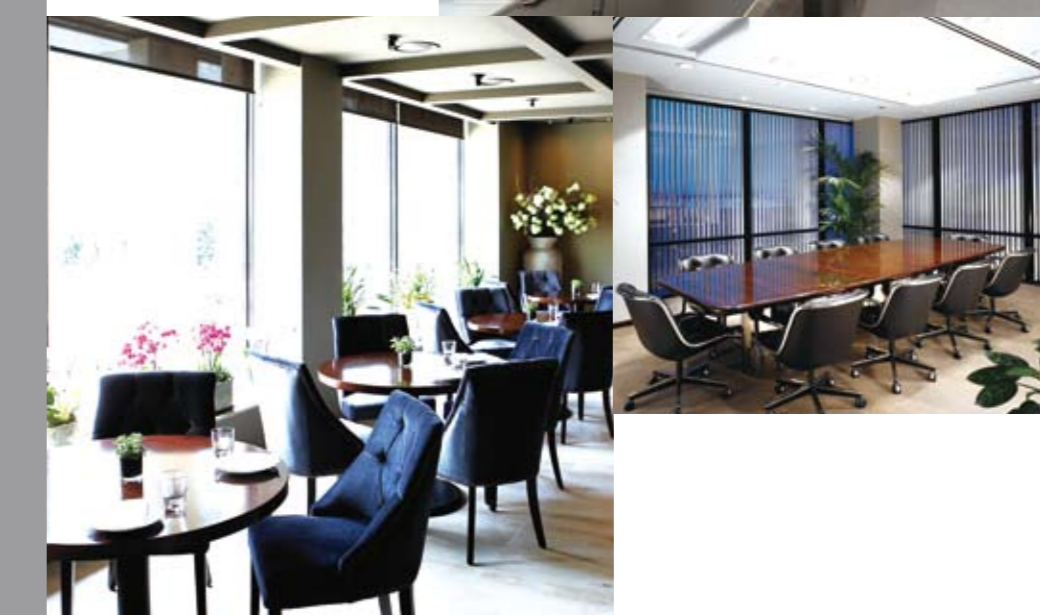


For continual product development, LG reserves the right to change specifications without notice.
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LG Commercial Air Conditioners 2010

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



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Specifications, design and feature in this catalogue are subject to change without prior notice.

EU-CA109

Comfort Everyone in a Greener Way


Pursuing a more comfortable life in today's complicated society has become second nature. However, we cannot afford to compromise the health of the environment for our own personal comfort. In order to achieve a balance between these two needs, LG provides products and solutions for those who seek comfortable lives in a greener way; comfort and eco-friendliness are our key values.

We at LG create optimal living and working conditions by enabling our customers to control their environment: including temperature, humidity and air quality to make them more comfortable. LG products are safe to operate and easy to manage and we provide our business partners with reliable and cost-effective solutions. Customer satisfaction motivates us to work closely and productively with our partners and we also offer a comprehensive after-sales and one-stop service system.

LG is committed to protecting our environment by enhancing the energy efficiency of our products and our business operations by adhering to eco-friendly principles. LG has been significantly investing in R&D and pursuing continuous innovation to enhance product energy efficiency. LG uses eco-friendly refrigerants in its air conditioners, which help save the ozone layer and all LG's products are produced under an 'Eco-Design' system, which ensures environmentally-friendly processes from production to disposal.

LG is fully committed to making the lives of our customers more comfortable in an environmentally sustainable way and we strive to ensure our business partners benefit from partnering with us. Our commitment and innovation enable us to uphold our key values - Green and Comfort. With commitment and innovation, we comfort everyone – our business partners and customers – in a greener way.

'Eco-Design, Energy Efficient, Reduce CO₂ Emissions'

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

Energy Efficiency Class of The Unit In Cooling Mode :

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

Energy Efficiency Class of The Unit In Heating Mode :

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



Enjoy Clean, Quiet, and Comfortable
Air Conditioning with LG


















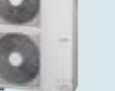






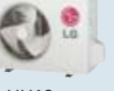







Ceiling Concealed Duct Type


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			 UT12H NP1	 UT18H NP1	 UT21H NN1	 UT24H NN1		 UT36H NM1	 UT42H NM1	 *UT48H NM1		
		 UT09 NRD	 UT12 NRD	 UT18 NQD		 UT24 NPD		 UT30 NPD	 UT36 NND	 UT42 NMD	 UT48 NMD	 UT60 NMD
Ceiling Concealed Duct Type				 UB18H NG1	 UB21H NG1	 UB24H NG1		 UB36H NR1	 UB42H NR1	 *UB48H NR1		
				 UB18 NHD		 UB24 NHD		 UB30 NGD	 UB36 NGD	 UB42 NRD	 UB48 NRD	 UB60 NRD
Ceiling and Floor Type		 UV09 NED	 UV12 NED	 UV18 NBD		 UV24 NBD		 UV30 NBD	 UV36 NKD	 UV42 NLD	 UV48 NLD	 UV60 NLD
Console Type*		 CQ09 NAO	 CQ12 NAO	 CQ18 NAO	*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	
DC Inverter 		 UU09W ULD	 UU12W ULD	 UU18W UED		 UU24W UED	 UU30W UED	 UU36W UED	 UU42W U3D	 UU48W U3D	 UU60W U3D
3Phase DC Inverter 								 UU37W UED	 UU43W U3D	 UU49W U3D	 UU61W U3D
Heat Pump		 UU12 ULD	 UU18 UED		 UU24 UED		 UU30 UED	 UU37 UED		 UU48 U3D	 UU60 U3D

Set Type

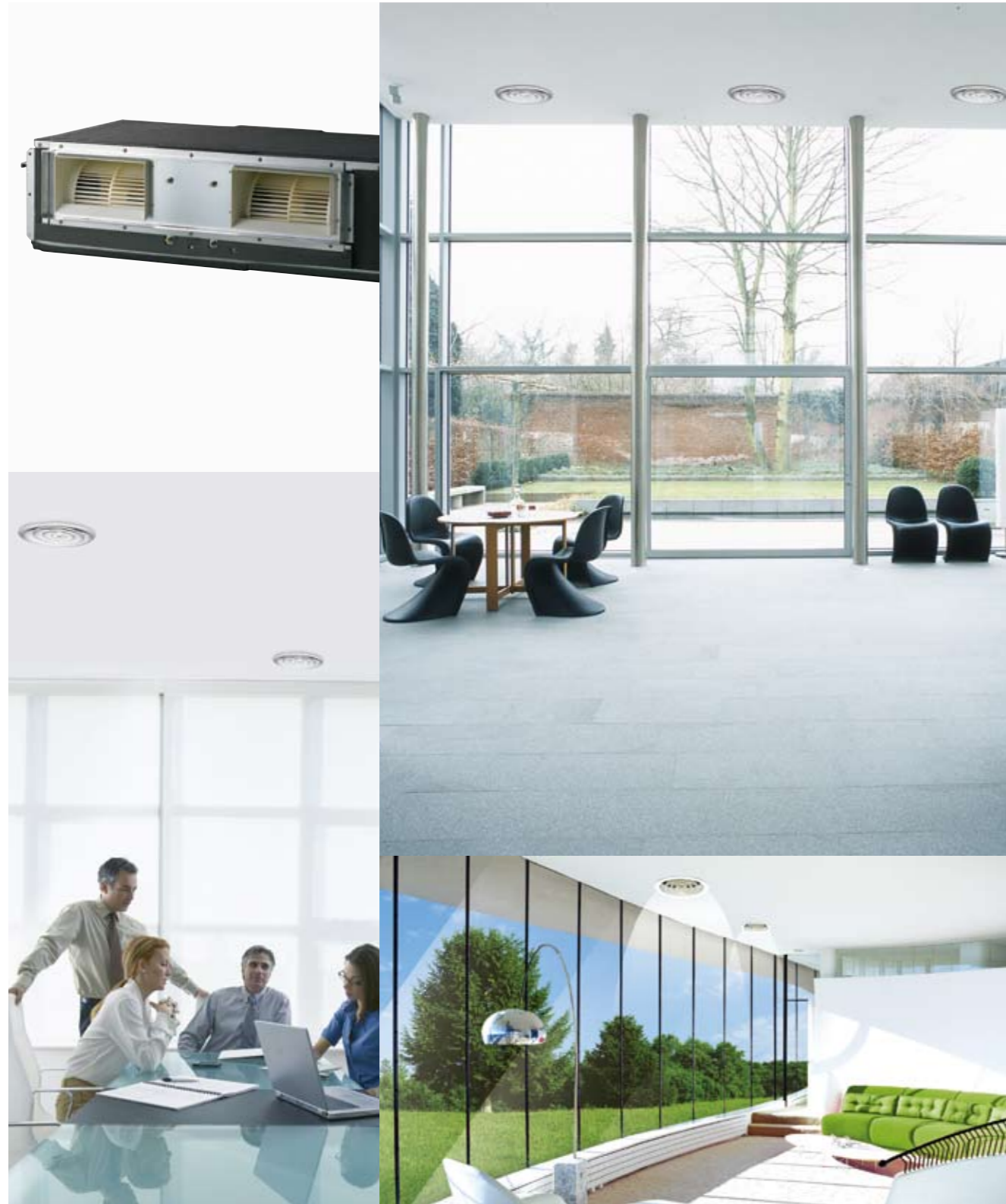
Type	kW	14.0	21.1	32.8
Ceiling Concealed Duct Type			 B120AH SV0	

Set Type

Type	kW	8.0	14.0	21.1
Floor Standing Type		 P03AH SR1	 P05AH ST0	 P08AH SF1

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

Linear E.S.P. Control

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

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

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.

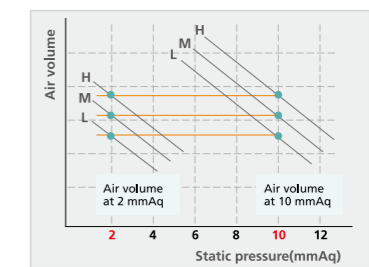
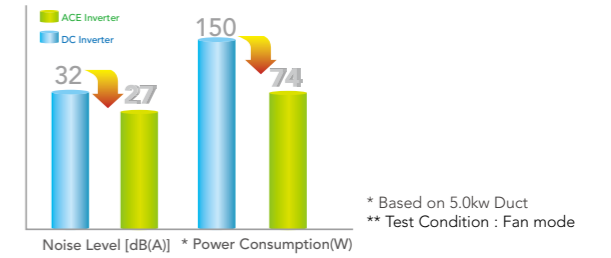
※ H-Inverter : High Head Drain Pump is Included in Indoor Unit

Two Thermistor Control

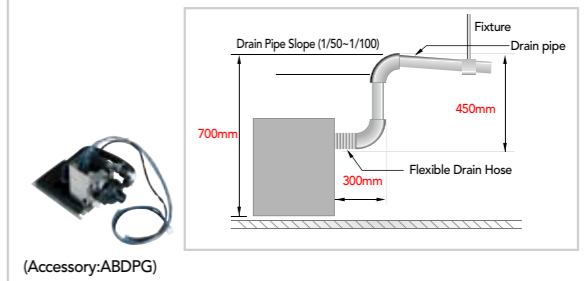
There may be a significant difference between the temperature taken at the installed product and indoor temperature. Two thermistor control provides option to control temperature by referring any of the two temperature. With the help of the slide switch at the back of the LCD wired remote controller,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

Quiet Operation & Easy Service

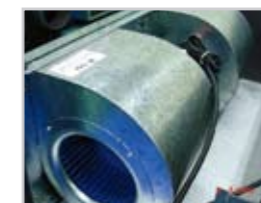
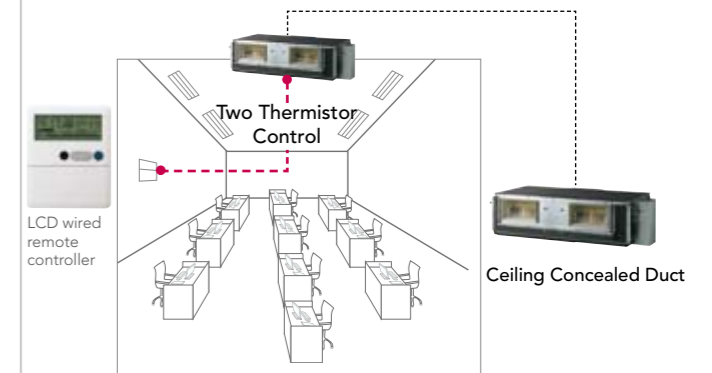
A lightweight plastic blower and housing makes air conditioning operation quiet and backup servicing more convenient. The new fan housing can be easily dismantled for convenient servicing and maintenance. The fan motor can be removed without the need to remove the complete fan direct assembly.



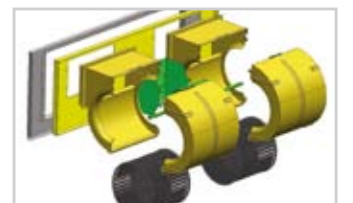
*E.S.P is easily controlled by remote controller



(Accessory:ABDPG)



Conventional



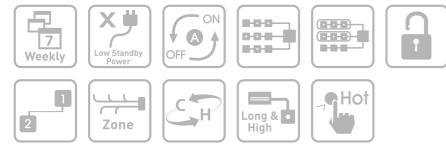
LG Fan and Housing

Ceiling Concealed Duct



Heat pump

- UB18 •UB24
- UB30 •UB36
- UB48 •UB60



Specifications

Indoor Unit

		UB18 NHD	UB24 NHD	UB30 NGD	UB36 NGD	UB48 NRD	UB60 NRD
Nominal Capacity (Rated)	Cooling	Btu/h 16,890	22,179	27,300	34,100	46,700	50,800
		kw 4.95	6.5	8.00	10.0	13.70	14.90
Heating	Btu/h	19,800	26,410	30,700	37,500	54,600	59,700
	kw	5.8	7.4	9.00	11.0	16.00	17.50
Nominal Input (Rated)	Cooling	kw 1.96	2.49	3.60	4.00	5.84	6.30
	Heating	kw 2.18	2.60	3.20	3.60	5.20	5.00
Running Current	Cooling /Heating	A 0.92	0.92	1.34	1.42	3.65	3.65
Power Supply		ØV/Hz 1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw 2.53	2.61	2.22	2.50	2.35	2.37
COP	Heating	kw/kw 2.66	2.85	2.81	3.06	3.08	3.50
Operational Temperature Range	Cooling	°C -5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
	Heating	°C -10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24
Air Flow Rate (H/M/L)	CMM	16.5/14.5/13	18/16.5/14	26.5/23/20	32/29/26	40/35/30	50/45/40
	CFM	583/512/459	636/583/494	936/812/706	1130/1024/918	1413/1236/1059	1766/1413/1236
Sound Level (H/M/L)		dB(A)±3 36/34/32	38/36/34	34/38/35	42/39/36	44/42/40	46/44/42
Dehumidification Rate	l/h	1.59	2.5	3.3	4.0	6.0	6.5
Dimensions (WxHxD)	Body	mm(inch) 880×655×320(34.3×25.8×12.6)	880×660×450(34.6×10.2×17.7)	1180×298×450(46.5×11.7×17.7)	1180×298×450(46.5×11.7×17.7)	1230×380×590(48.4×15.0×23.2)	1230×380×590(48.4×15.0×23.2)
	Weight	kg(lbs)	35(77.2)	35(77.2)	38(84)	38(84)	60(132)
Piping Connections	Liquid	mm(inch) 6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Drain(OD/ID)	mm	32/25	32/25	32/25	32/25	32/25	32/25

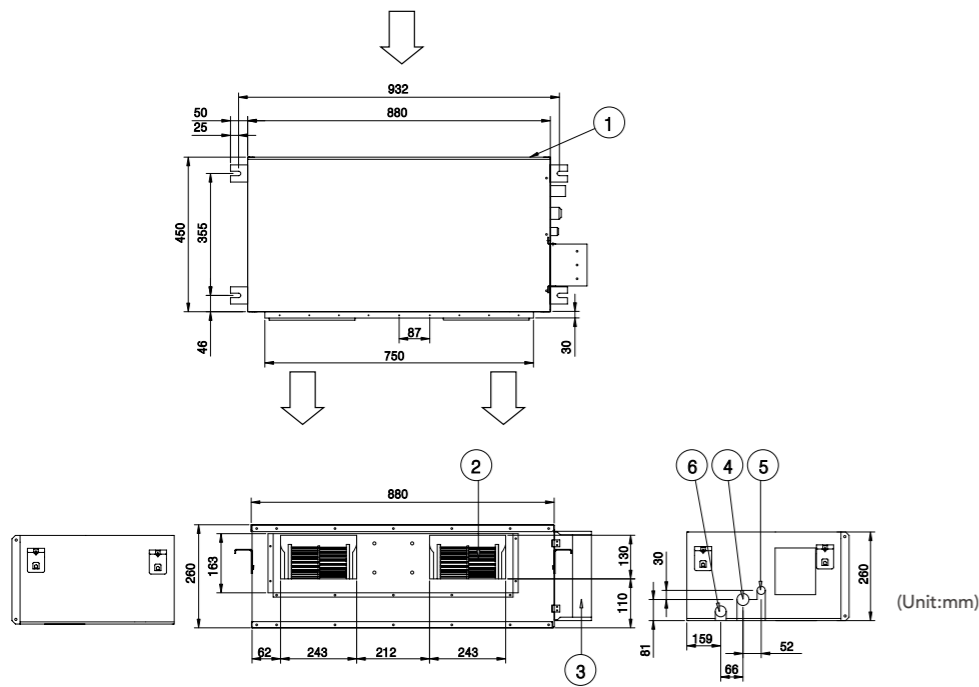
Outdoor Unit

		UU18 UED	UU24 UED	UU30 UED	UU37 UED	UU48 U3D	UU60 U3D
Compressor	Type	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
	Refrigerant Charge	g(oz)	1300(45.90)	1950(68.9)	1870(66.0)	2450(86.4)	3300(116.4)
	Type	R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3 52	52	53	52	55	55
Dimensions	W*H*D	mm(inch) 870×655×320(34.3×25.8×12.6)	870×808×320(34.3×31.8×12.6)	870×808×320(34.3×31.8×12.6)	870×1060×320(34.2×41.7×12.6)	950×1380×330(37.4×54.3×13.0)	950×1380×330(37.4×54.3×13.0)
Net Weight	Outdoor	kg(lbs)	60(132.2)	64(141)	85(187)	105(231)	105(231)
Piping connection	Liquid	mm(inch) 6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)	No.*mm ²	3×2.5	3×2.5	3×3.5	4×2.5	4×2.5	4×2.5
Interunit Cable(Includes earth)	No.*mm ²	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	40/30	50/30	50/30	50/30	40/30
Power Supply	ø,V, Hz	1,220~240,50	1,220~240,50	1,220~240,50	3,380~415,50	3,380~415,50	3,380~415,50
Running Current	Cooling/Heating	A 8.83/6.54	11.4/12.6	17.2/16.3	7.5/7.7	6.5/6.4	6.9/6.7
Air Circulation	CMM(CFM)	53(187.2)	53(187.2)	53(187.2)	32(1130)×2	55(1942)×2	55(1942)×2
Additional Refrigerant Charge (Over 7.5m)	g/m	35	45	45	45	50	50

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

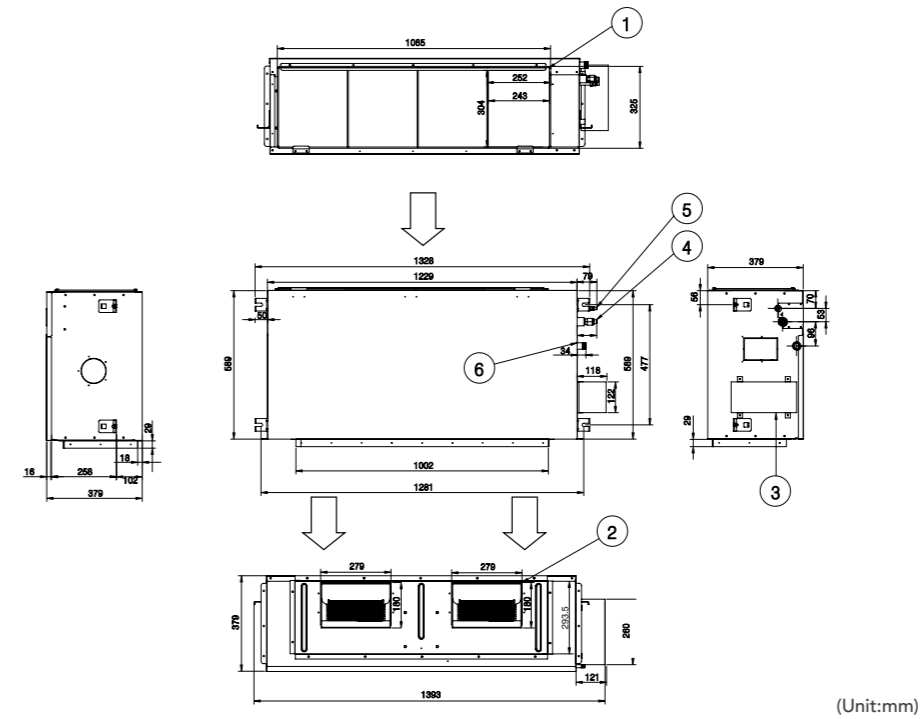
Dimensions _ Ceiling Concealed Duct

- UB18 NHD
- UB24 NHD



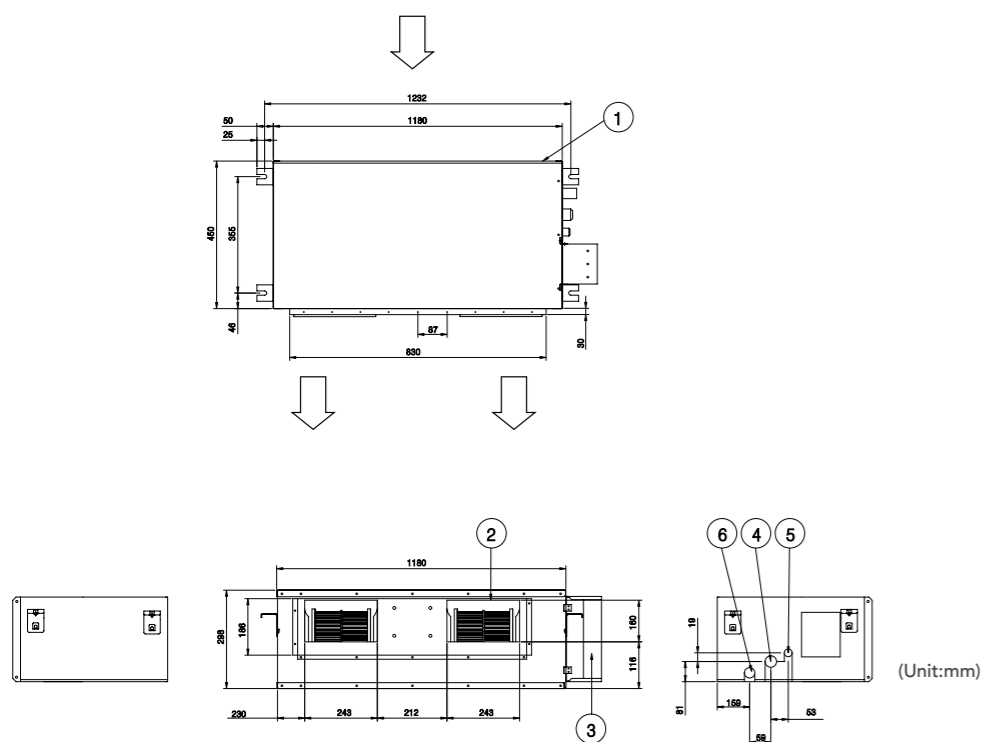
No.	Part Name
1	Air suction flange
2	Air discharge flange
3	Control box
4	Gas pipe connection
5	Liquid pipe connection
6	Drain pipe connection

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



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

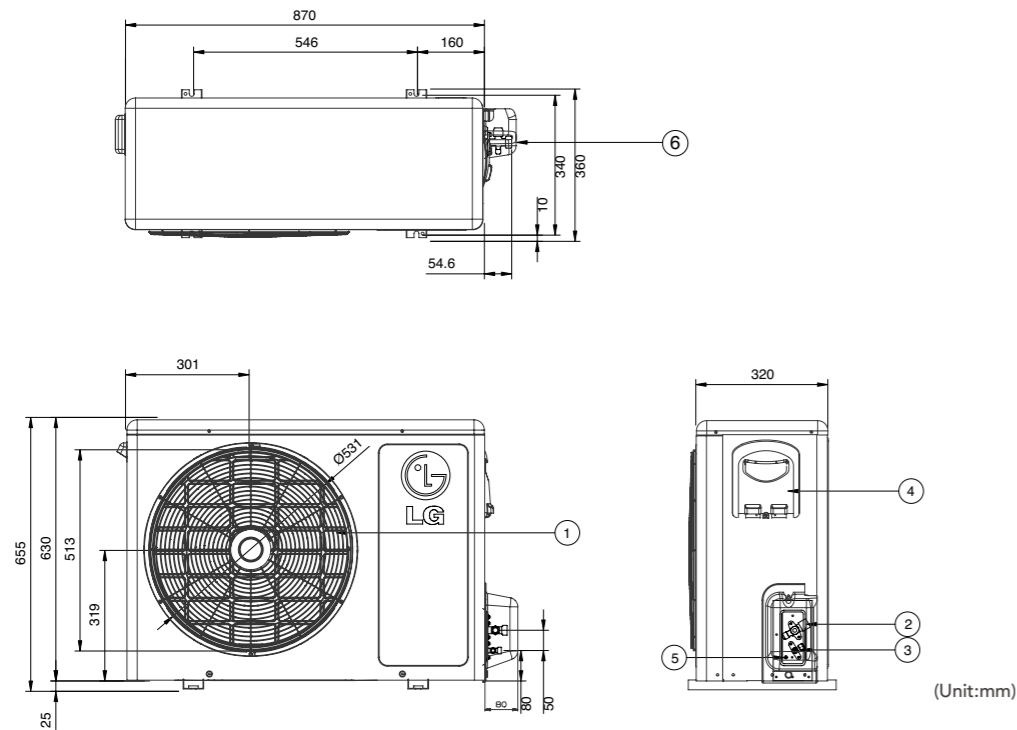
- UB30 NGD
- UB36 NGD
- UB18H NG1
- UB21H NG1
- UB24H NG1



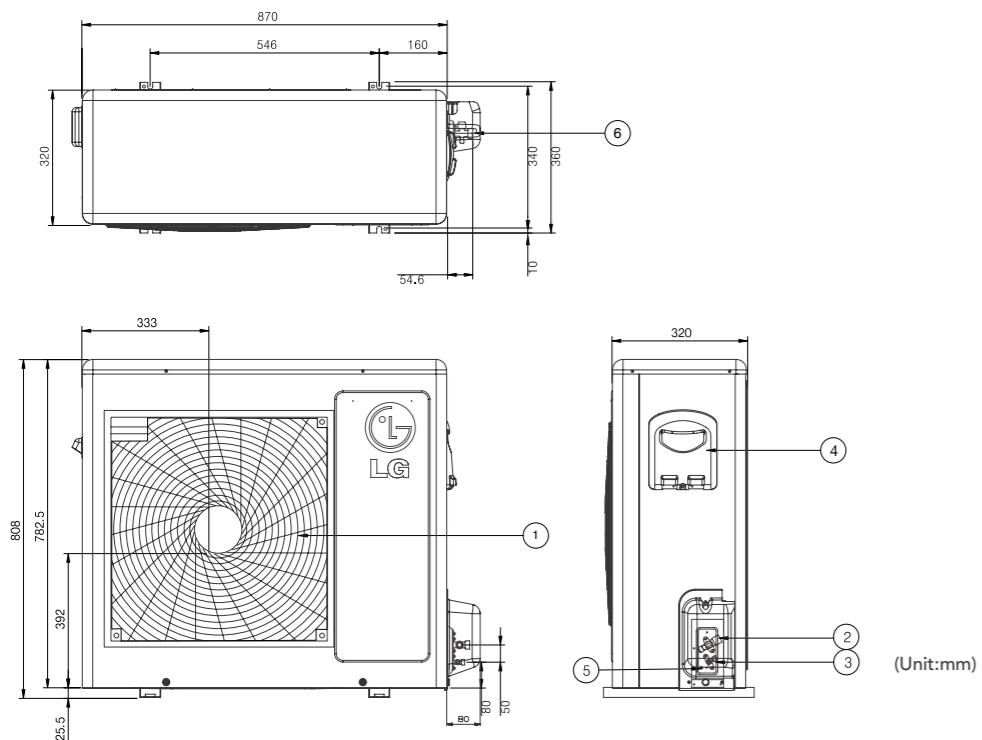
No.	Part Name
1	Air suction flange
2	Air discharge flange
3	Control box
4	Gas pipe connection
5	Liquid pipe connection
6	Drain pipe connection

Dimensions _ Universal Outdoor

•UU12WH UE1

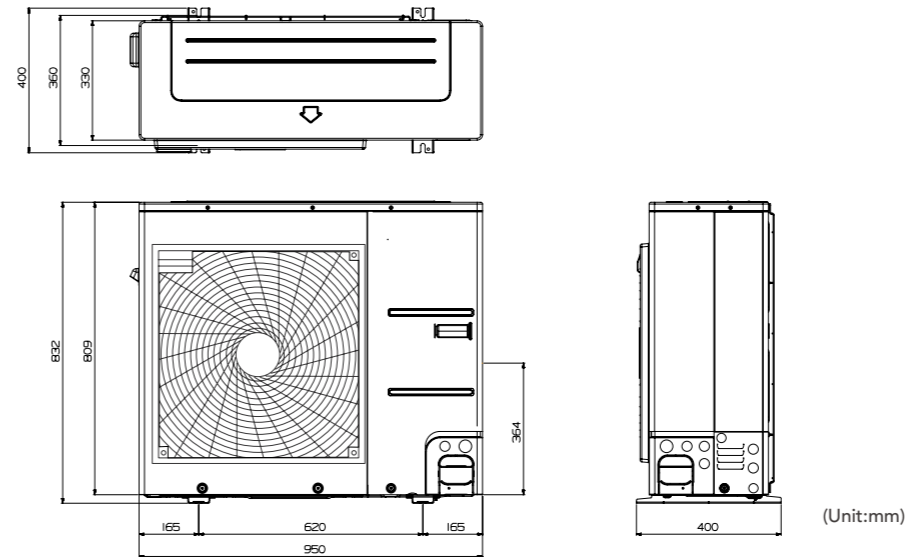


•UU18WH NE1



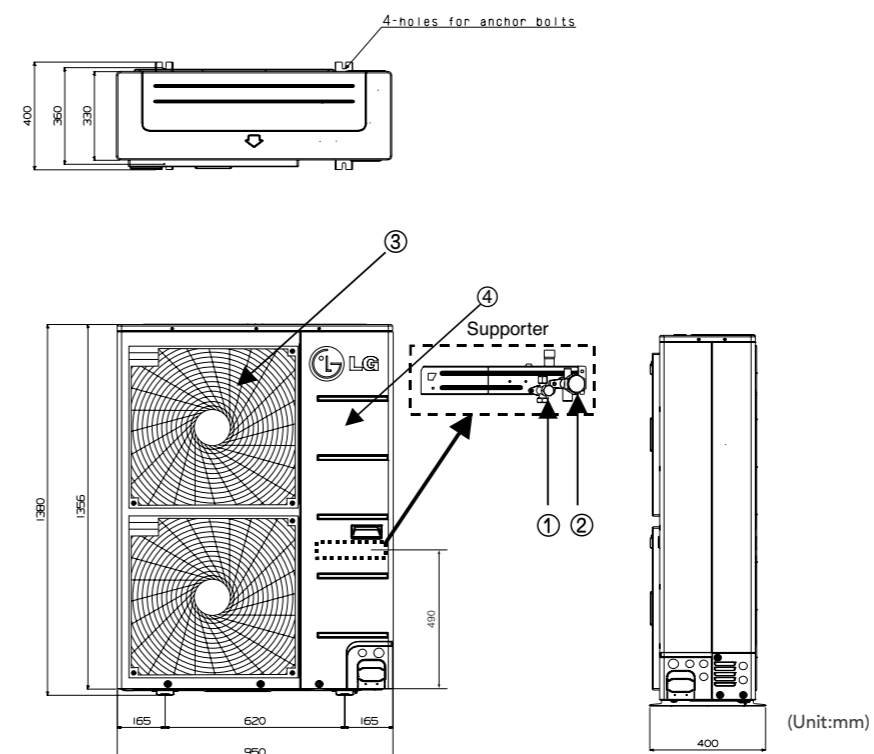
No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission connection
5	Earth screw
6	SVC valve cover

•UU21WH U41 •UU24WH U41



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

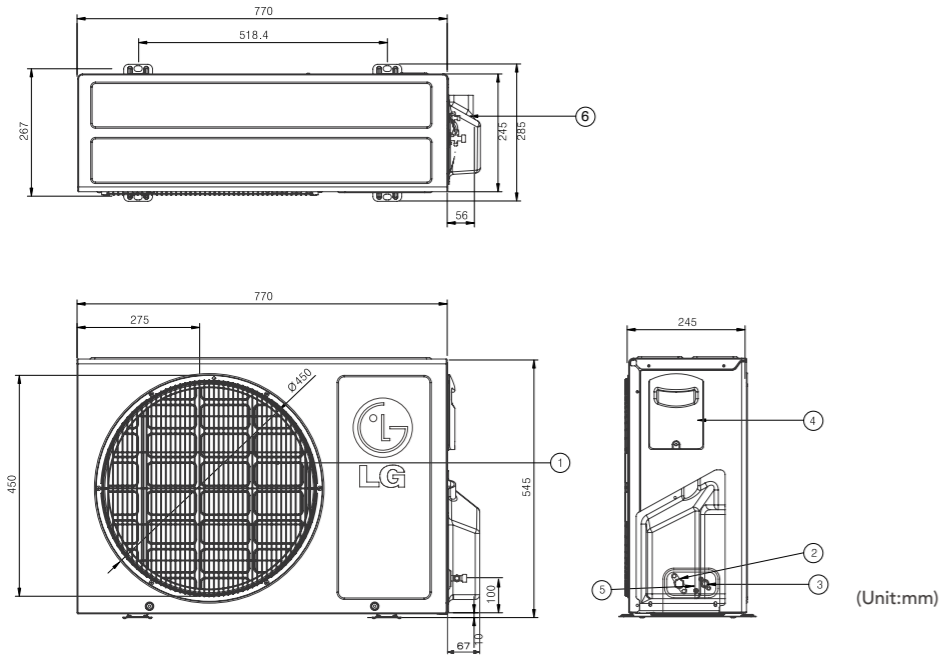
•UU36WH U31 •UU42WH U31 •UU48WH U31



No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission connection

Dimensions _ Universal Outdoor

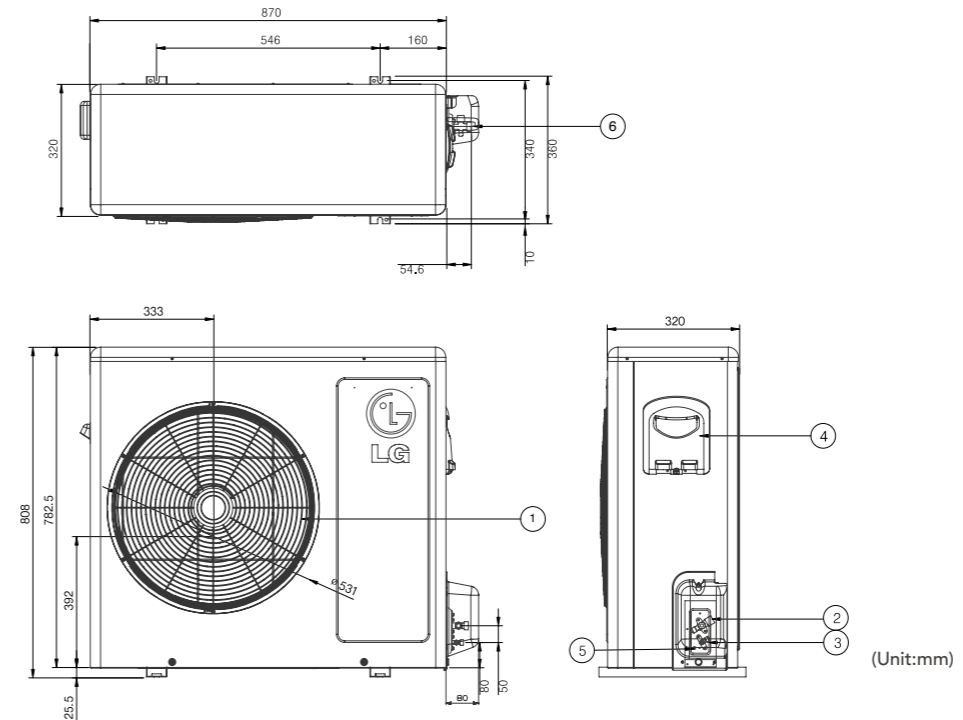
- UU09W ULD
- UU12W ULD



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

(Unit:mm)

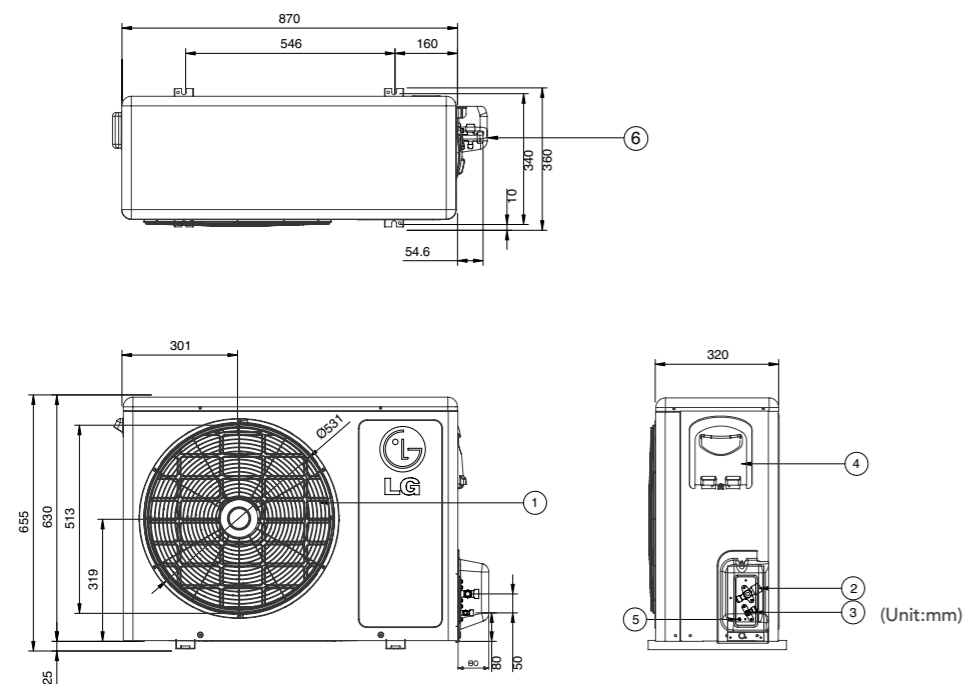
- UU24W UED
- UU30W UED



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

(Unit:mm)

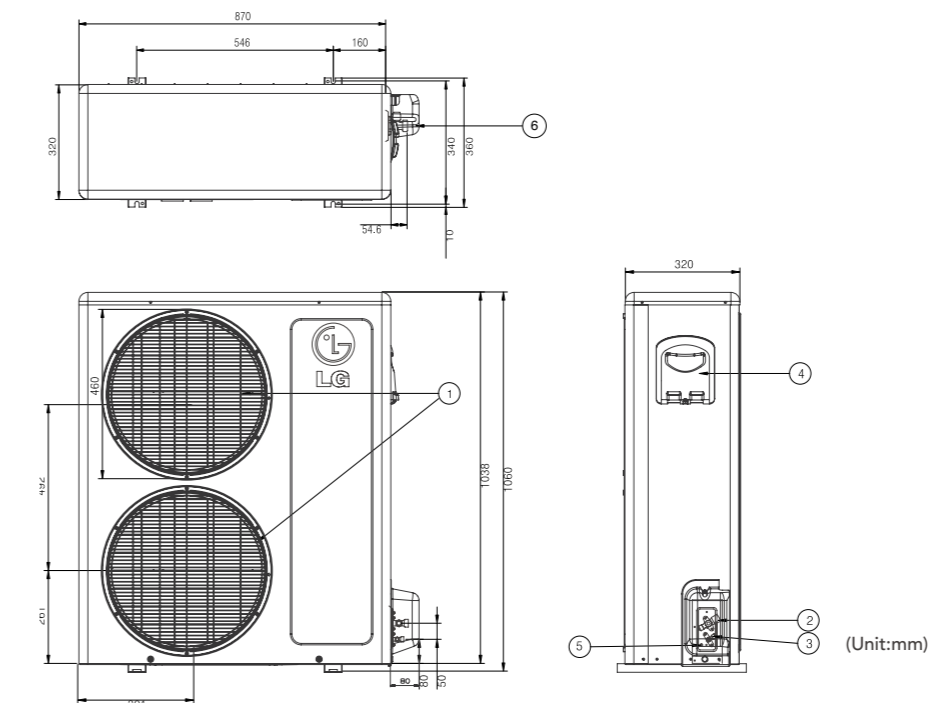
- UU18W UED



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

(Unit:mm)

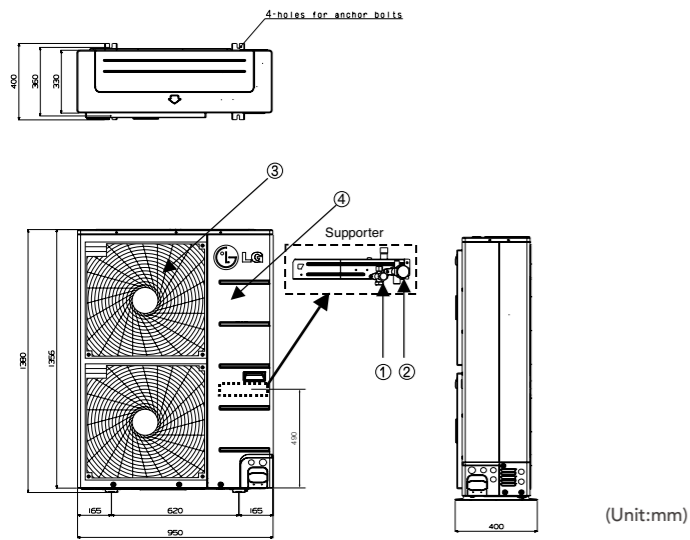
- UU36W UED
- UU37W UED



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

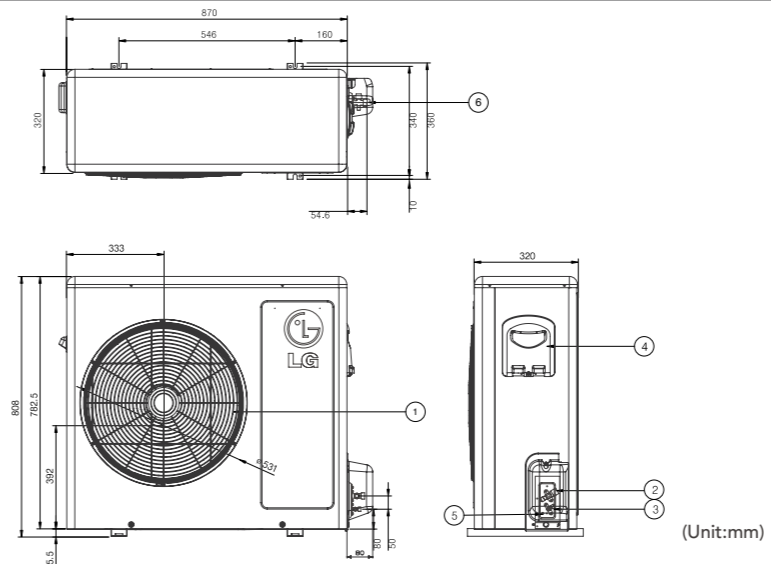
(Unit:mm)

Dimensions _ Universal Outdoor



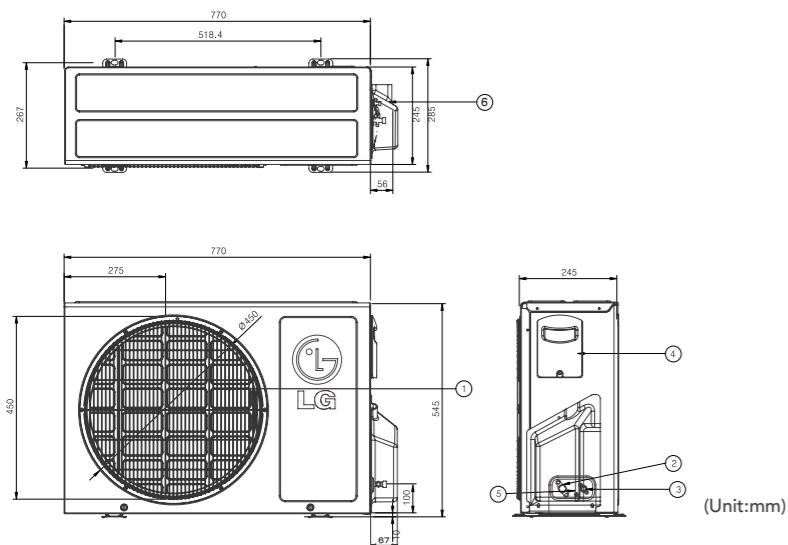
- UU42W U3D
- UU48W U3D
- UU60W U3D
- UU43W U3D
- UU49W U3D
- UU60W U3D

No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission connection



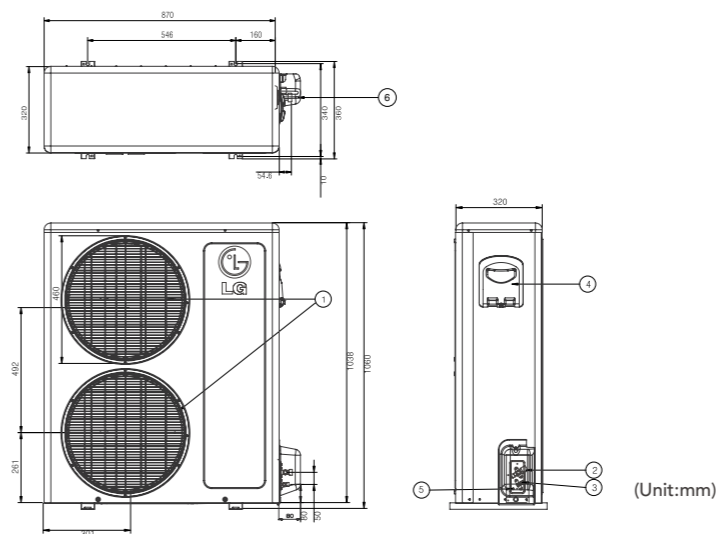
- UU24 UED
- UU30 UED

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



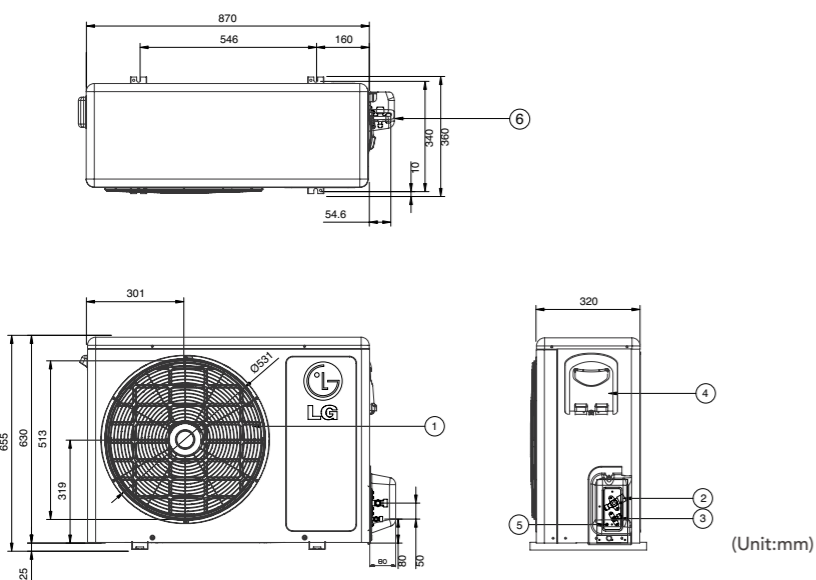
- UU12 ULD

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



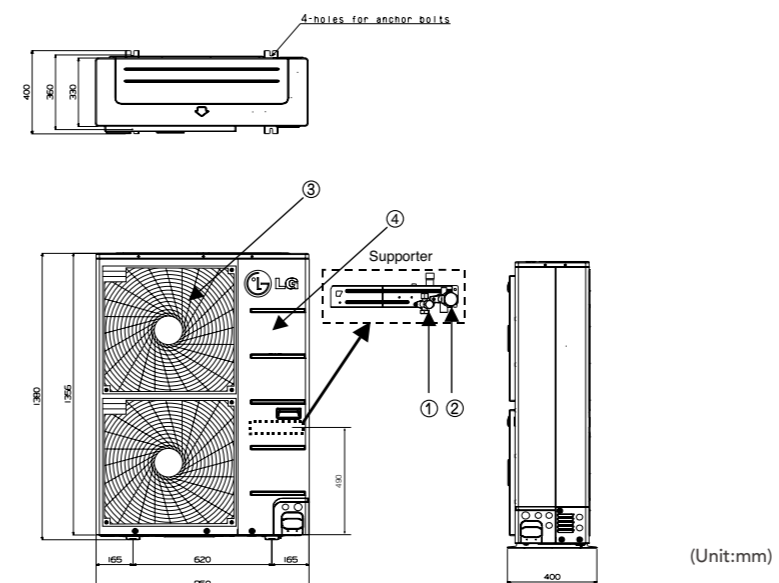
- UU37 UED

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



- UU18 UED

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



- UU48 U3D
- UU60 U3D

No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission connection