

# 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

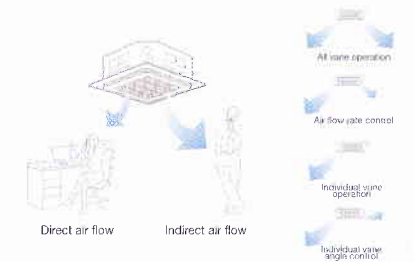
### Wide jet Air Flow

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



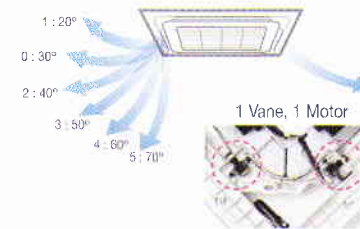
### Independent Vane Operation

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



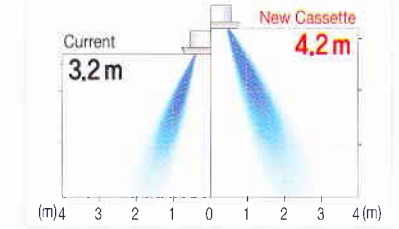
### Automatic Vane angle Control

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



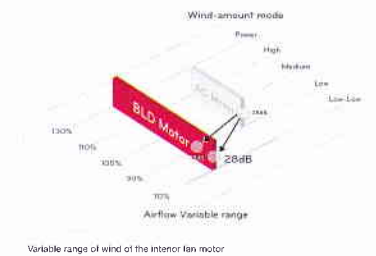
### High Ceiling Mode

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



### 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



## CEILING CASSETTE

### 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.

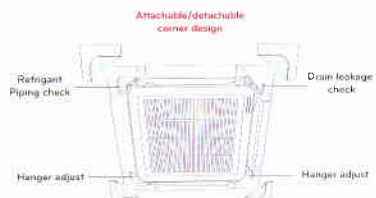
\*Indoor unit is turned on to the desired temperature, the TEMP up/down buttons can be used to set the desired present or preset temperature. (Temperature selection range : 18°C~30°C)  
\*When desired temperature is not set, it is turned on automatically with the desired temperature of the previous operation.



## Easy Installation

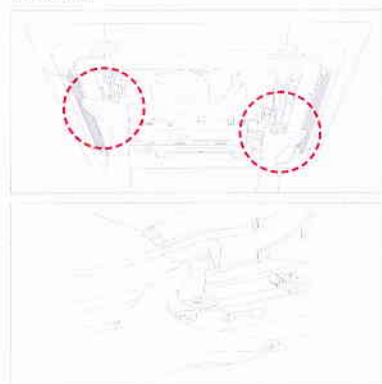
### Detachable Corner Panels

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



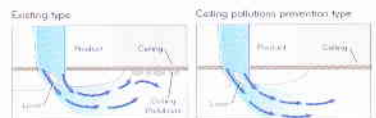
### One Touch Panel

The simple push-up panel design easily connects 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)

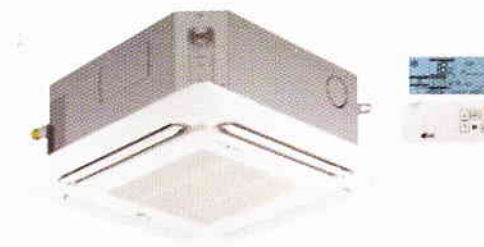
Easy filter cleaning with elevation grille

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



DC Inverter

•UT18



UU18W

## Specifications

### Indoor Unit

		F/Panel	UT18 NOD
			PT-UOC
Nominal Capacity (Rated)	Cooling	kw	2.0 - 5.0 - 5.5
		Btu/h	6,820 - 17,060 - 18,760
Nominal Input (Rated)	Heating	kw	2.2 - 3.5 - 6.05
		Btu/h	7,510 - 11,770 - 20,640
Running Current	Cooling / Heating	A	1.56
Power Supply		Q/V/Hz	1 / 220 - 240 / 50
EER	Cooling	kw/kw	3.21
COP	Heating	kw/kw	3.61
Annual energy consumption	Cooling	kWh	790
Operational Temperature Range	Cooling	°C	-10 - 43
	Heating	°C	-15 - 24
Air Flow Rate (1/M/A)		m <sup>3</sup> /min	13 / 12 / 11
Sound Level (H/M/L)		dBA(L)3	41 / 39 / 36
Dehumidification Rate		l/h	2.4
Dimensions (WxHxD)	Body	mm	570x296x570
	Decorative Panel	mm	700x300x700
Weight	Body	kg	15
	Decorative Panel	kg	3
Piping Connections	Liquid	mm(inch)	6.35 (1/4)
	Gas	mm(inch)	12.7 (1/2)

### Outdoor Unit

		UU18W UED1
Compressor	Type	Rotary
Refrigerant Charge	Charge	1500
	Type	R410A
Fan	Discharge	Side/Top
	Noise Level	Cooling/Heating
Dimensions	WxHxD	mm
Net Weight	Outdoor	kg
Piping connection	Liquid	mm(inch)
	Gas	mm(inch)
Circuit Breaker		A
Power Supply Cable (includes earth)	No. /mm <sup>2</sup>	3 x 2.5
Inter-unit Cable (includes earth)	No. /mm <sup>2</sup>	4 x 0.75
Max. Piping Length / Elevation	m	40 / 30
Power Supply	Q/V/Hz	1 / 220 - 240 / 50
Running Current	Cooling / Heating	A
Air flow rate	m <sup>3</sup> /min	1.1 / 1.1
Additional Refrigerant Charge (Over 7.5m)	g/m	50
		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 300 running hours per year at nominal condition.



DC Inverter

•UT24  
•UT30



UU24W / UU30W

Specifications

Indoor Unit

		UT24 NPD PT-UMC		UT30 NPD PT-UMC	
Nominal Capacity (Rated)	Cooling	kw	2.84 ~ 7.1 / 7.81	3.2 ~ 8.0 ~ 8.8	
		Btu/h	9,650 ~ 24,200 ~ 25,220	10,920 ~ 27,320 ~ 30,000	
Heating	kw		3.2 ~ 8.0 ~ 8.8	3.6 ~ 9.0 ~ 9.9	
	Btu/h		10,920 ~ 27,320 ~ 30,000	12,280 ~ 30,700 ~ 33,770	
Nominal Input (Rated)	Cooling	kw	2.15	2.65	
	Heating	kw	2.34	2.9	
Running Current	Cooling / Heating	A	0.6	0.6	
Power Supply	Q/V/Hz		1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	
EER	Cooling	kw/kw	3.3	3.02	
COP	Heating	kw/kw	3.42	3.21	
Annual energy consumption	Cooling	kWh	1075	1325	
Operational Temperature Range	Cooling	°C	-10 ~ 43	-10 ~ 43	
	Heating	°C	-15 ~ 24	-15 ~ 24	
Air Flow Rate (H/M/L)		m³/min	17 / 15 / 13	19 / 17 / 15	
Sound Level (H/M/L)		dB(A)±3	39 / 37 / 34	43 / 40 / 37	
Dehumidification Rate		l/h	2.1	2.5	
Dimensions (WxHxD)	Body	mm	840x204x840	840x204x840	
	Decorative Panel	mm	950x25x950	950x25x950	
	Weight	kg	21	21	
Piping Connections	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	

Outdoor Unit

		UU24W UED		UU30W UED	
Compressor	Type		Rotary	Rotary	
Refrigerant Charge	Charge	g	2000	3000	
	Type		R410A	R410A	
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	
Noise Level	Cooling/Heating	dB(A)±3	47 / 50	47 / 50	
Dimensions	WxHxD	mm	870x808x320	870x808x320	
Net Weight	Outdoor	kg	60	60	
Piping connection	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	
Circuit Breaker		A	30	30	
Power Supply Cable (includes earth)	No *mm²		3 x 2.5	3 x 2.5	
Inter-unit Cable (includes earth)	No *mm²		4 x 0.75	4 x 0.75	
Max. Piping Length / Elevation	m		50 / 30	50 / 30	
Power Supply	Q/V/Hz		1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	
Running Current	Cooling / Heating	A	10.8 / 10.7	12.0 / 13.0	
Air flow rate		m³/min	58	58	
Additional Refrigerant Charge (Over 7.5m)		g/m	35	35	

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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 DC Inverter

•UT36  
•UT42  
•UT48  
•UT60



UU37W



UU43W / UU49W / UU61W

Specifications

Indoor Unit

		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	5.46 ~ 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 ~ 50,900 ~ 55,550			
Heating	kw		4.4 ~ 11.0 ~ 12.1	5.0 ~ 13.0 ~ 13.4	6.4 ~ 15.9 ~ 17.6	6.8 ~ 17.0 ~ 18.7			
	Btu/h		15,000 ~ 37,500 ~ 41,250	19,100 ~ 47,770 ~ 52,547	21,840 ~ 54,600 ~ 60,060	23,200 ~ 58,000 ~ 63,800			
Nominal Input (Rated)	Cooling	kw	3.12	3.99	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	Q/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	1550	1945	2505	2700			
Operational Temperature Range	Cooling	°C	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43			
	Heating	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24			
Air Flow Rate (H/M/L)		m³/min	24 / 22 / 19	30 / 29 / 26	34 / 32 / 30	34 / 32 / 30			
Sound Level (H/M/L)		dB(A)±3	43 / 40 / 37	48 / 43 / 40	49 / 47 / 43	49 / 47 / 43			
Dehumidification Rate		l/h	3.7	4.4	4.4	5.5			
Dimensions (WxHxD)	Body	mm(inch)	840x246x840	840x288x840	840x288x840	840x288x840			
	Decorative Panel	mm	950x25x950	950x25x950	950x25x950	950x25x950			
	Weight	kg(lbs)	23.5	26	26	26			
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 UED		UU49W UED		UU61W UED	
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary		
Refrigerant Charge	Charge	g	2500	3500	3600	3600			
	Type		R410A	R410A	R410A	R410A			
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge			
Noise Level	Cooling/Heating	dB(A)±3	54 / 55	51 / 53	51 / 53	51 / 53			
Dimensions	WxHxD	mm	870x1060x320	950x1380x330	950x1380x330	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	20	25	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		75 / 30	75 / 30	75 / 30	75 / 30			
Power Supply	Q/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	4.09 / 4.28	4.09 / 4.28			
Air flow rate		m³/min	38 x 2	55 x 2	55 x 2	55 x 2			
Additional Refrigerant Charge (Over 7.5m)		g/m	45	40	40	40			

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3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition



## Improved COP and Energy Saving

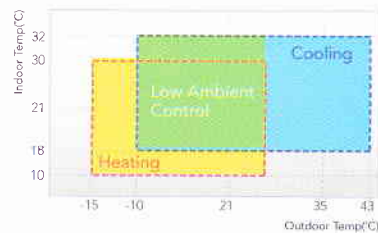
### Improved COP / EER

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



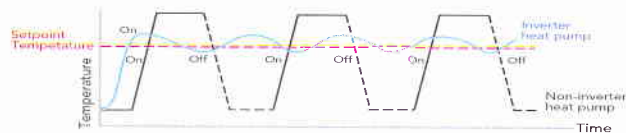
### Wide Operating Range

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.

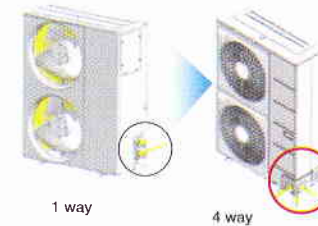


### Easy to Service

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

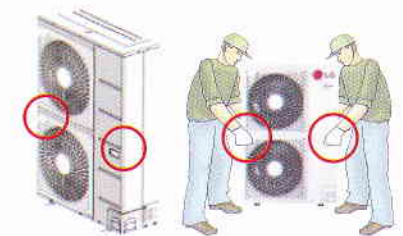
#### 1. Inner SVC valve

- 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

