

COMMERCIAL

SINGLE SPLIT













































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R32 LINE-UP



STANDARD INVERTER (R32)								
kBtu/h	Type kW	Ceiling Mounted Cassette	Ceiling Concealed Duct		Ceiling & Floor / Ceiling Suspended	Console / Wall Mounted / Floor Standing	ODU	
			Mid / High Static	Low Static			1Φ	3Φ
9	2.5	 CT09R NR0		 CL09R N20			 UU09WR U0	
12	3.5	 CT12R NR0		 CL12R N20			 UU12WR U0	
18	5.0	 CT18R NQ0	 CM18R N10	 CL18R N20	 UV18R N10		 UU18WR U20	
24	7.1	 CT24R NP0	 CM24R N10	 CL24R N30	 UV24R N10		 UU24WR U40	
30	8.0	 UT30R NP0	 UM30R N10		 UV30R N10		 UU30WR U40	
36	10.0	 UT36R NM0	 UM36R N20		 UV36R N20		 UU36WR U30	 UU37WR U30
42	12.5	 UT42R NM0	 UM42R N20		 UV42R N20		 UU42WR U30	 UU43WR U30
48	14.0	 UT48R NM0	 UM48R N30		 UV48R N20		 UU48WR U30	 UU49WR U30
60	15.0	 UT60R NM0	 UM60R N30		 UV60R N20		 UU60WR U30	 UU61WR U30
70	20.0							
85	25.0							

COMPACT INVERTER (R32)								
kBtu/h	Type kW	Ceiling Mounted Cassette	Ceiling Concealed Duct		Ceiling & Floor / Ceiling Suspended	Console / Wall Mounted / Floor Standing	ODU	
			Mid / High Static	Low Static			1Φ	3Φ
18	5.0		 CM18R N10				 UU18WCR U0	
24	7.1		 CM24R N10				 UU24WCR U20	
30	8.0		 UM30R N10				 UU30WCR U40	
36	10.0		 UM36R N20				 UU36WCR U40	

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R410A LINE-UP

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STANDARD INVERTER (R410A)								
kBtu/h	Type kW	Ceiling Mounted Cassette	Ceiling Concealed Duct		Ceiling & Floor / Ceiling Suspended	Console / Wall Mounted / Floor Standing	ODU	
			Mid / High Static	Low Static			1Φ	3Φ
9	2.5	 CT09 NR2		 CB09L N22	 CV09 NE2	 CQ09 NA0	 UU09W UL0	
12	3.5	 CT12 NR2		 CB12L N22	 CV12 NE2	 CQ12 NA0	 UU12W UL0	
18	5.0	 CT18 NQ2	 CM18 N14	 CB18L N22		 CQ18 NA0	 UU18W UE4	
24	7.1	 CT24 NP2	 CM24 N14	 CB24L N32			 UU24W U44	
30	8.0	 UT30 NP4	 UM30 N14			 UJ30 NV2	 UU30W U44	
36	10.0	 UT36 NN2	 UM36 N24			 UJ36 NV3	 UU36W U02	 UU37W U02
42	12.5	 UT42 NM2	 UM42 N24				 UU42W U32	 UU43W U32
48	14.0	 UT48 NM2	 UM48 N34			 UP48 NT2	 UU48W U32	 UU49W U32
60	15.0	 UT60 NM2	 UM60 N34				 UU60W U32	 UU61W U32
70	20.0		 UB70 N94					 UU70W U34
85	25.0		 UB85 N94					 UU85W U74

COMPACT INVERTER (R410A)								
kBtu/h	Type kW	Ceiling Mounted Cassette	Ceiling Concealed Duct		Ceiling & Floor / Ceiling Suspended	Console / Wall Mounted / Floor Standing	ODU	
			Mid / High Static	Low Static			1Φ	3Φ
18	5.0		 UB18C NH0				 UU18WC UL0	
24	7.1		 UB24C NH0				 UU24WC UE0	
30	8.0		 UM30 N14				 UU30WC UE0	
36	10.0		 UM36 N24				 UU36WC U40	

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FEATURE OVERVIEW

Category	STANDARD INVERTER (R32)									STANDARD INVERTER (R410A)								
	9	12	18	24	30	36	42	48	60	9	12	18	24	30	36	42	48	60
kBtu/h	2.5	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0	2.5	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0
Energy Efficiency	New Type Scroll Compressor						•	•	•	•								
	BLDC Comp. & Fan Motor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Eurovent Certi.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Variable Voltage Control			•	•	•	•	•	•	•			•	•	•	•	•	•
	Wide Louver Fin			•	•	•	•	•	•	•			•	•	•	•	•	•
	Optimised Heat Exchanger Path			•	•	•	•	•	•	•			•	•	•	•	•	•
	Power Saving Start up			•	•	•	•	•	•	•			•	•	•	•	•	•
	Quick Operation Response			•	•	•	•	•	•	•			•	•	•	•	•	•
	Peak Current Control			•	•	•							•	•	•			
	Mode Lock	•**	•**	•	•	•	•	•	•	•	•**	•**	•	•	•	•**	•**	•**
Standby Mode			•	•	•							•	•	•				
Durability	Ocean black fin heat exchanger	•	•	•	•	•	•	•	•	•								
Fast Cooling & Heating	Forced Cooling Operation			•	•	•	•	•	•			•	•	•	•	•	•	
Comfort	Night Silent Operation			•	•	•	•	•	•			•	•	•	•	•	•	
Smart	Outdoor Dry Contact					•	•	•	•						•	•	•	
	LG MV	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Weekly Program*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	PI-485 Connection			•	•	•	•	•	•	•			•	•	•	•	•	
	Wi-Fi Ready	•	•	•	•	•	•	•	•	•								
AHU Solution	Return Air Control			•	•	•	•	•	•			•	•	•	•	•	•	
	0-10V Supply Air Control											•	•	•				

* Weekly program is available with wired remote controller

** With controller PREMTB001 / PREMTBB01 / PREMTB100 / PREMTBB10

Category	COMPACT (R32)				COMPACT (R410A)				STANDARD INVERTER (R410A)		
kBtu/h	18	24	30	36	18	24	30	36	70	85	
kW	5.0	7.1	8.0	10.0	5.0	7.1	8.0	10.0	20.0	25.0	
Energy Efficiency	New Type Scroll Compressor										
	BLDC Comp. & Fan Motor	•	•	•	•	•	•	•	•	•	
	Eurovent Certi.	•	•	•	•	•	•	•	•	•	
	Variable Voltage Control								•	•	
	Wide Louver Fin	•	•		•	•	•		•	•	
	Optimised Heat Exchanger Path	•	•	•	•	•	•	•	•	•	
	Power Saving Start up	•	•	•	•	•	•	•	•	•	
	Quick Operation Response	•	•	•	•	•	•	•	•	•	
	Peak Current Control									•	•
	Mode Lock	•	•	•	•	•	•	•	•	•	•
	Standby Mode	•	•	•	•	•	•	•	•	•	•
Durability	Ocean black fin heat exchanger										
Fast Cooling & Heating	Forced Cooling Operation								•	•	
Comfort	Night Silent Operation								•	•	
Smart	Outdoor Dry Contact								•	•	
	LG MV	•	•	•	•	•	•	•	•	•	
	Weekly Program*	•**	•**	•	•	•**	•**	•	•	•	
	PI-485 Connection								•	•	
	Wi-Fi Ready	•	•	•	•						
AHU Solution	Return Air Control	•	•	•	•	•	•	•	•	•	
	0-10V Supply Air Control								•	•	

* Weekly program is available with wired remote controller
 ** With controller PREMTB001 / PREMTB01

SINGLE SPLIT KEY FEATURES

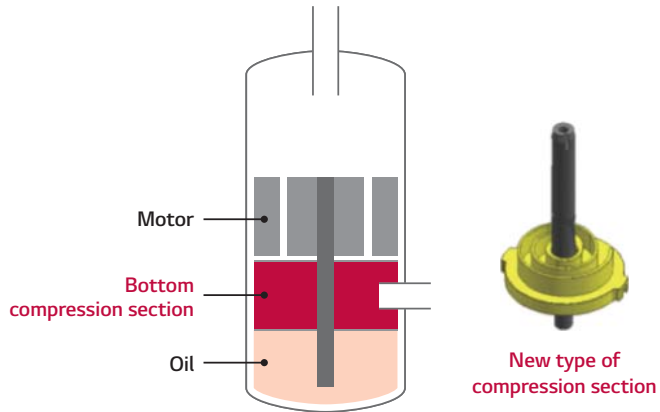
ENERGY EFFICIENCY

New Type Scroll Compressor

(UU36WR, UU37WR, UU42WR, UU43WR, UU48WR, UU49WR, UU60WR, UU61WR)

Scroll + Rotary compressor

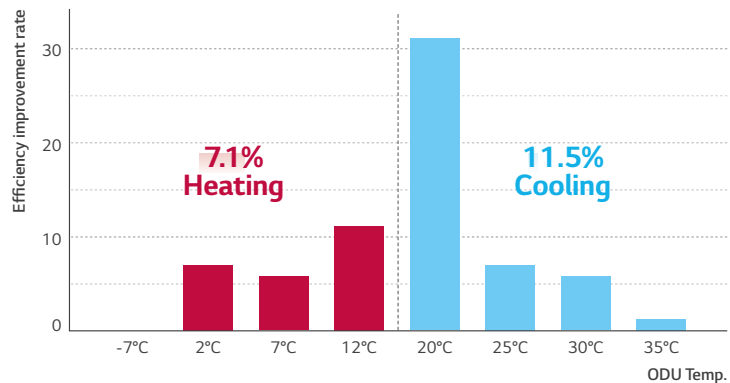
- Scroll compression + Rotary structure
- High efficiency (seasonal efficiency improvement)
- Low noise (high speed possible)
- Wide operating range (15~150Hz)



Seasonal energy efficiency

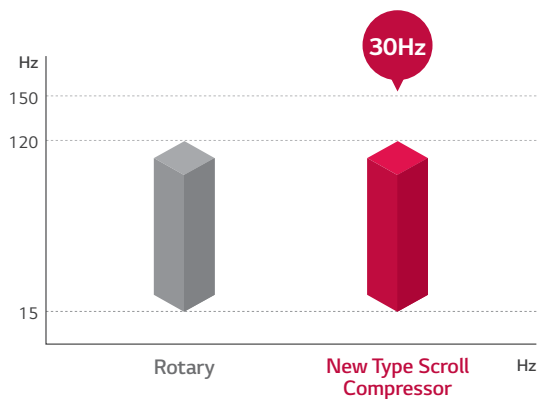
SEER 11.5%, SCOP 7.1% improvement (vs. rotary)

• LG Internal test result, Based on single split 12 kW



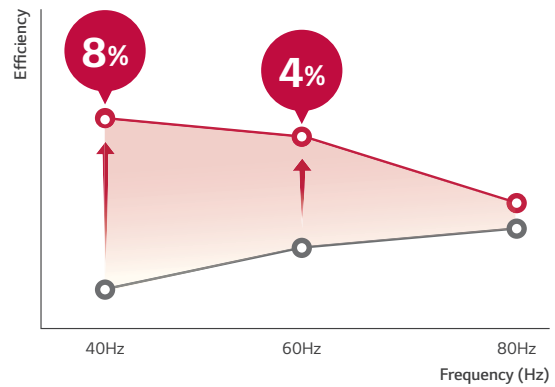
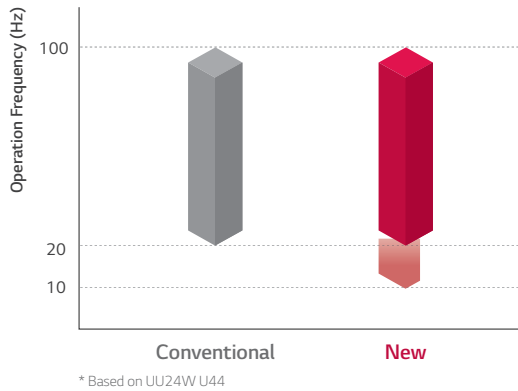
Wide Operation Range

- Optimized for various cooling & heat load operation
- World best compressor speed (up to 150 Hz)
- Optimized for even low load operation (down to 15 Hz)
(Efficiency increases / Improved comfort)



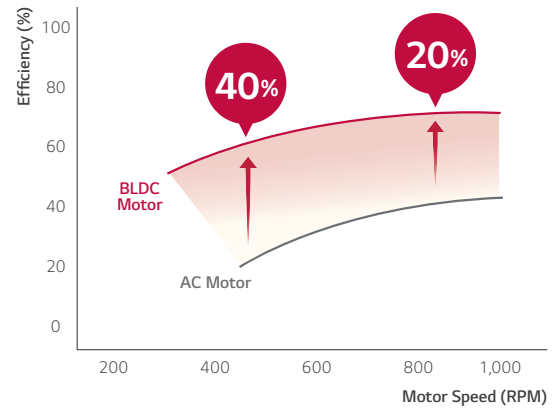
BLDC (Brushless Direct Current Motor) Compressor

LG air conditioners are equipped with a BLDC compressor that uses a strong neodymium magnet. The compressor has improved efficiency compared to standard AC inverter products and it is optimised for seasonal efficiency.



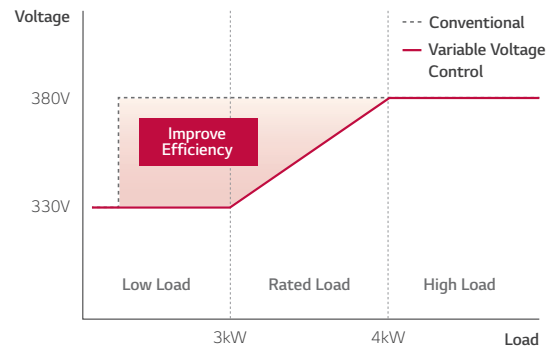
BLDC Fan Motor

The BLDC Fan motor is more efficient than a conventional AC motor, offering an additional 40% energy savings at low speeds and 20% at high speeds.



Variable Voltage Control

The compressor of Standard Inverter improves efficiency by adjusting the compressor input voltage depending upon the compressor input load.



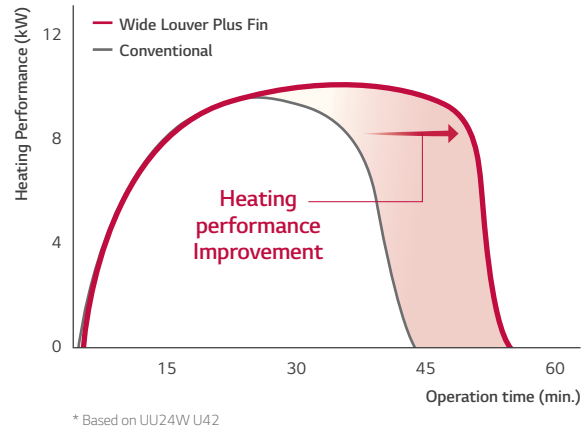
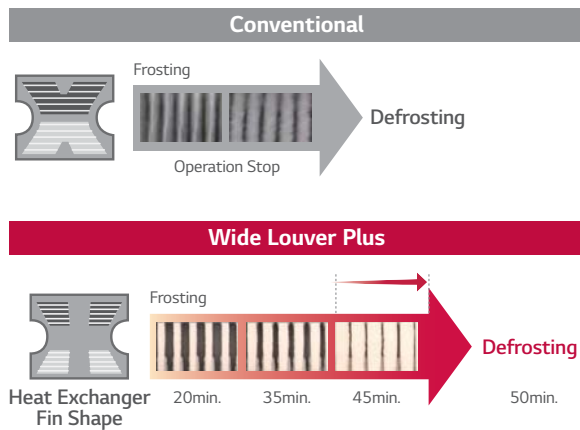
(Standard Inverter : capacity over 7kW)

SINGLE SPLIT KEY FEATURES

ENERGY EFFICIENCY

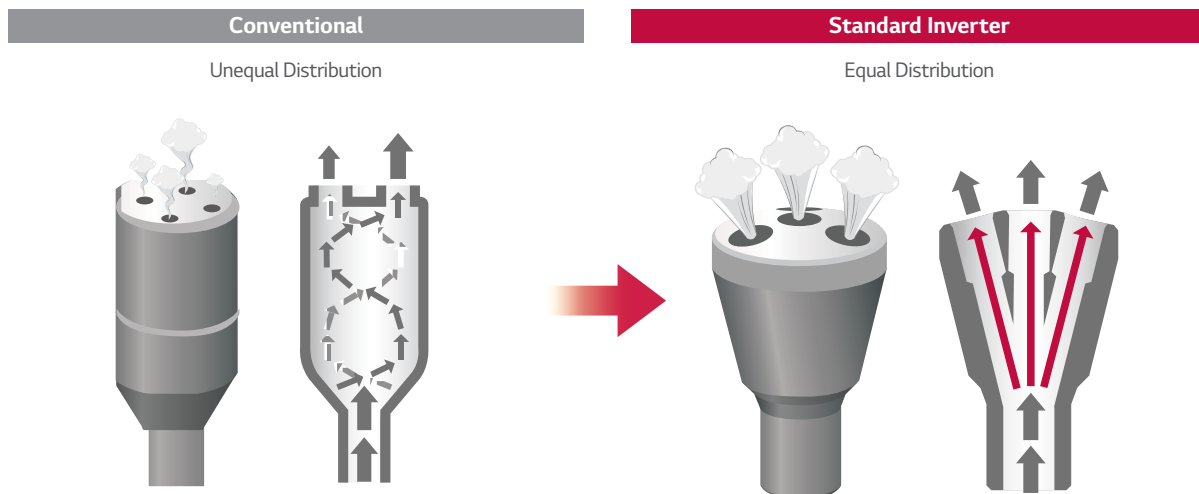
Wide Louver Plus Fin

Wide Louver Plus fin technology increases 11% of full load heating performance and 6% of COP compared to conventional fin. It can minimize frosting of the heat exchanger and delay the start of defrosting operation.



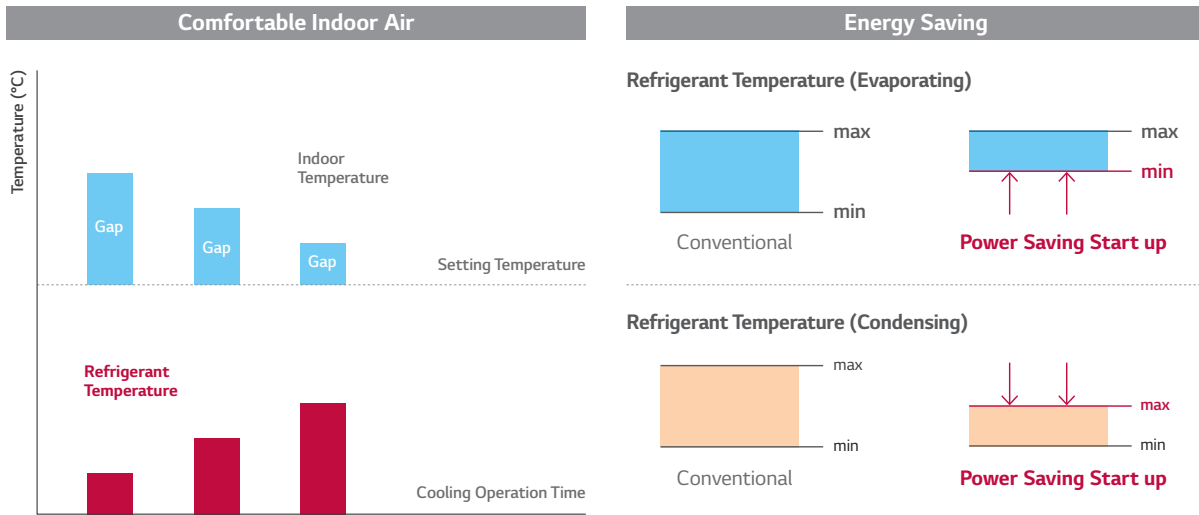
Optimised Heat Exchanger Path

Optimized heat exchanger path improves cycle efficiency up to 5%.

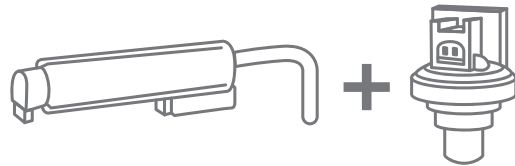
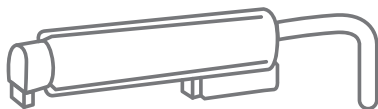


Power Saving Start Up

LG commercial air conditioners will automatically alter the temperature of discharge air by controlling their refrigerant temperature based on the difference between the indoor temperature and the target indoor temperature. During cooling operation, evaporating temperature will increase if the temperature difference reduces. This leads to extremely comfortable indoor air whilst minimizing energy consumption.



Quick Operating Response



- Conventional**
- Step 1** Detect current temperature of the refrigerant, indoor and outdoor temperature
- Step 2** **Estimating Pressure**
Gauge target pressure to operate the compressor, based on the corresponding temperature data

▲

This algorithm is more likely to be impacted by temperature change hence consumes more time to calculate proper operation range of compressor to reach target performance point.

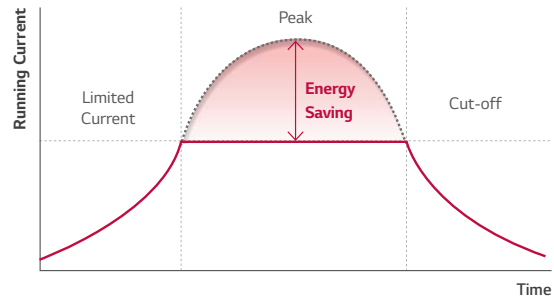
- Standard Inverter**
- Step 1** Detect refrigerant pressure and temperature simultaneously to ensure that the compressor is available for target cooling operation
- ▲
- This ensures to reach the target performance point operating efficiently and reliably.**

SINGLE SPLIT KEY FEATURES

ENERGY EFFICIENCY

Peak Current Control

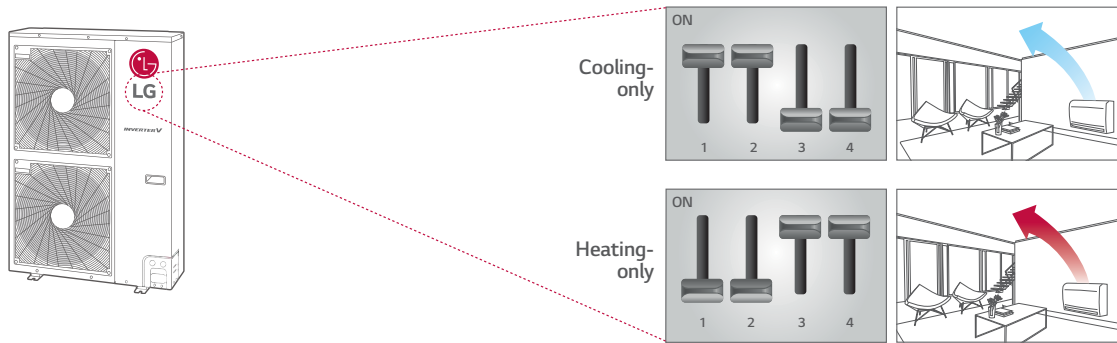
The peak current control function prevents the air conditioner from running at the maximum level while maintaining current system settings, in order to reduce energy consumption. This function helps minimize energy costs during the peak periods of energy use when the energy billing is much higher.



* Standard Inverter : capacity over 5kW

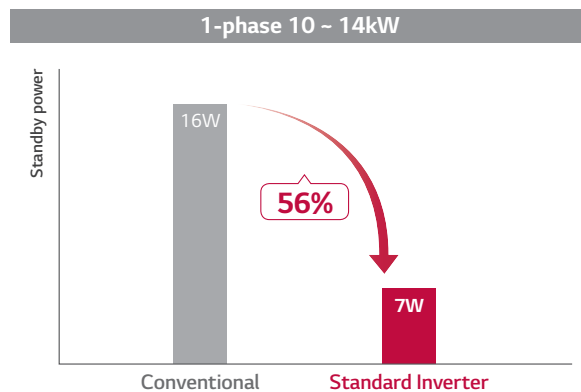
Mode Lock

Set the operation mode to either cooling-only or heating-only; either by adjusting the wired remote controller or setting the DIP switch to avoid combined use of cooling and heating. (Some models need wired remote controller for mode lock function according to feature overview table)



Standby Mode

Standard Inverter can minimise power consumption by turning power off on the PCB except for the MICOM which receives signals.



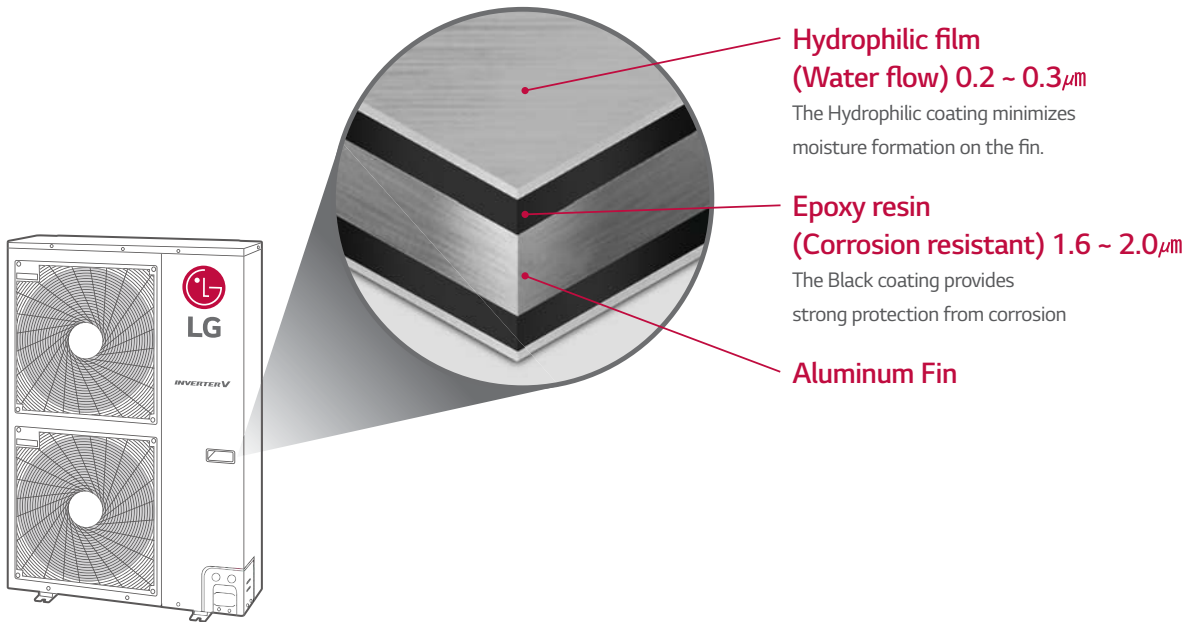
SINGLE SPLIT KEY FEATURES

DURABILITY

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Ocean Black Fin

LG's exclusive "Ocean Black Fin" heat exchanger is designed for Improved corrosion resistance.



• Certified protection



- Test Method B of ISO21207, 6.2 & Annex A
- Test condition: Salt contaminated condition + severe industrial/traffic environment(NO₂/SO₂)

* Based on 1,500 UL test hours

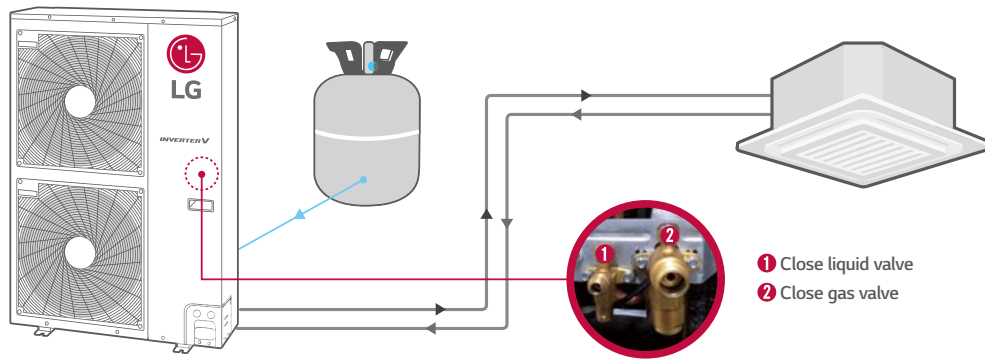
SINGLE SPLIT KEY FEATURES

FAST COOLING & HEATING

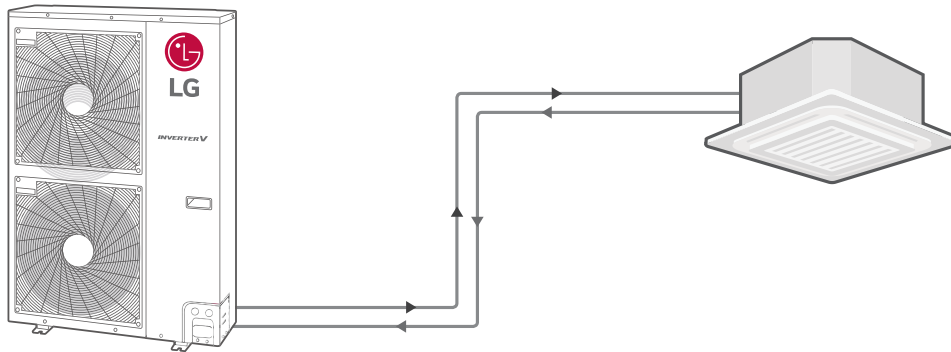
Forced Cooling Operation

This function allows the refrigerant to be recharged or pumped down, regardless of the indoor temperature. Note that this function can be used when indoor units are being moved or repaired.

Recharging



Pump Down



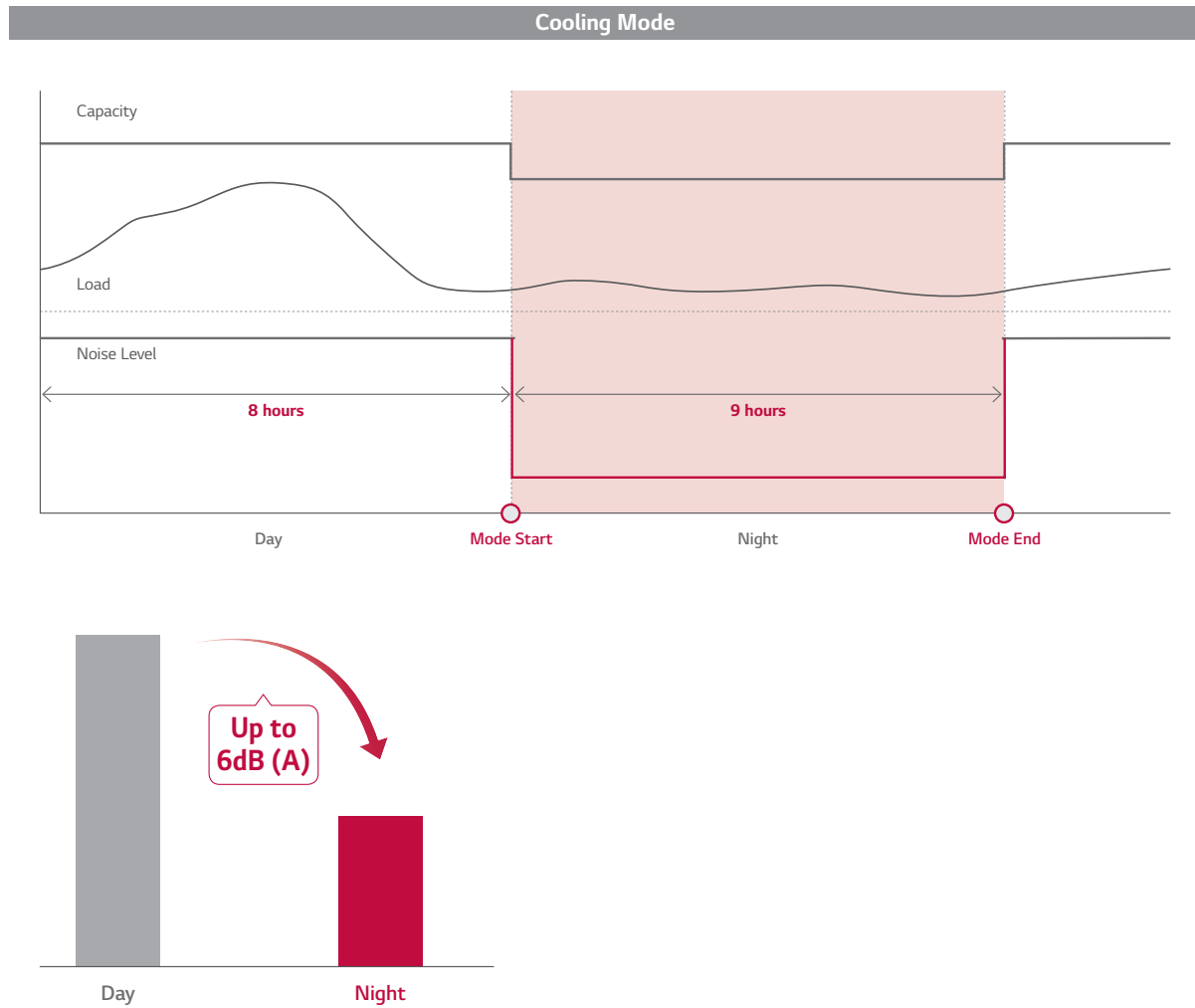
SINGLE SPLIT KEY FEATURES

COMFORT

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Night Silent Operation

This function enables noise reduction during night time by simply setting the dip switch on the PCB of the outdoor unit.

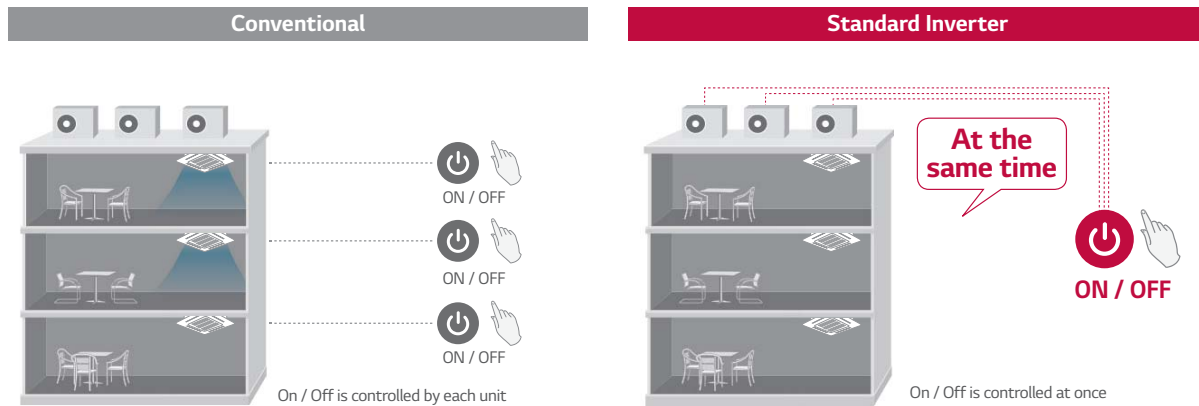


SINGLE SPLIT KEY FEATURES

SMART

Outdoor Dry Contact

Air conditioners can be turned ON/OFF at the same time using the ON/OFF dry contact function that outdoor units have. (Models capacity over 10 kW).



LG MV (Monitoring View)

LG MV helps engineers to inspect and monitor air conditioning units conveniently. Instructions are provided with the product type. (SINGLE Split & MULTI Split)



- IDU info.
- Cycle & Valves
- Actuator info.
- Sensors & Electricity
- ODU info.

LG MV displays cycle info represented by diagrams . It assists the user to check for data that is concentrated on a graph. A technician can easily obtain info about the error status by looking up the Error Indicator table. (Troubleshooting guide)

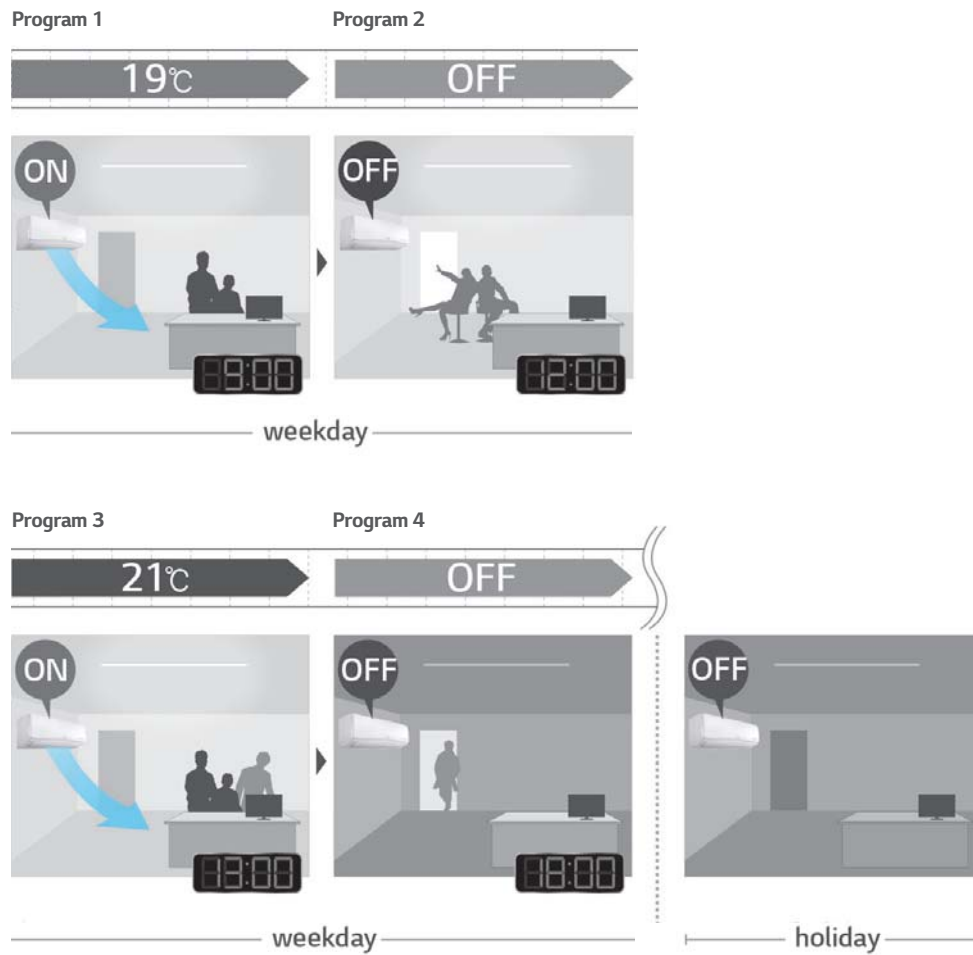
• Error Indicator

Error Code	Contents
01	Air temperature sensor of indoor unit
02	Inlet pipe temperature sensor of indoor unit
03	Communication error : Wired Remote Controller ↔ Indoor Unit

•
•
•

Weekly Program

You can allot 2 reservations for one day, and up to 14 reservations for a week.



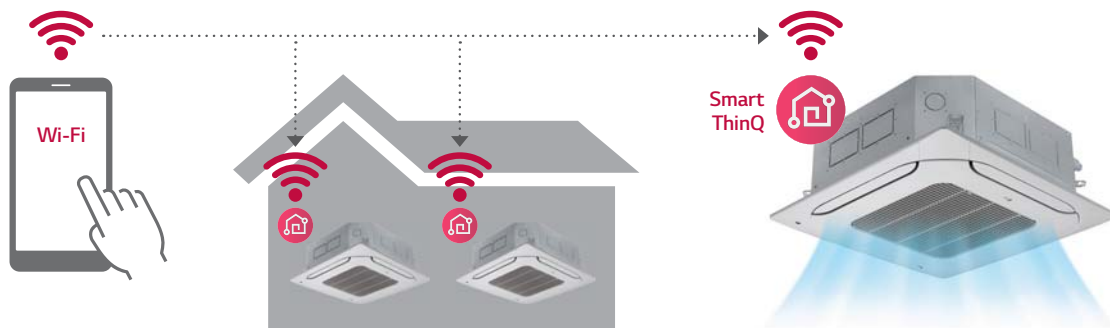
SINGLE SPLIT KEY FEATURES

SMART

Wi-fi

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones.
Wi-Fi modem (PWFMD200) is required by option.

• Access your air conditioner anytime and from anywhere



• Simple operation for various functions

- ON/OFF
- Mode Selection
- Current temperature
- Set temperature
- Vane Control
- Reservation
- Energy Monitoring
- Filter Management

※ Search "LG Smart ThinQ" on Google market or Appstore then download the app.

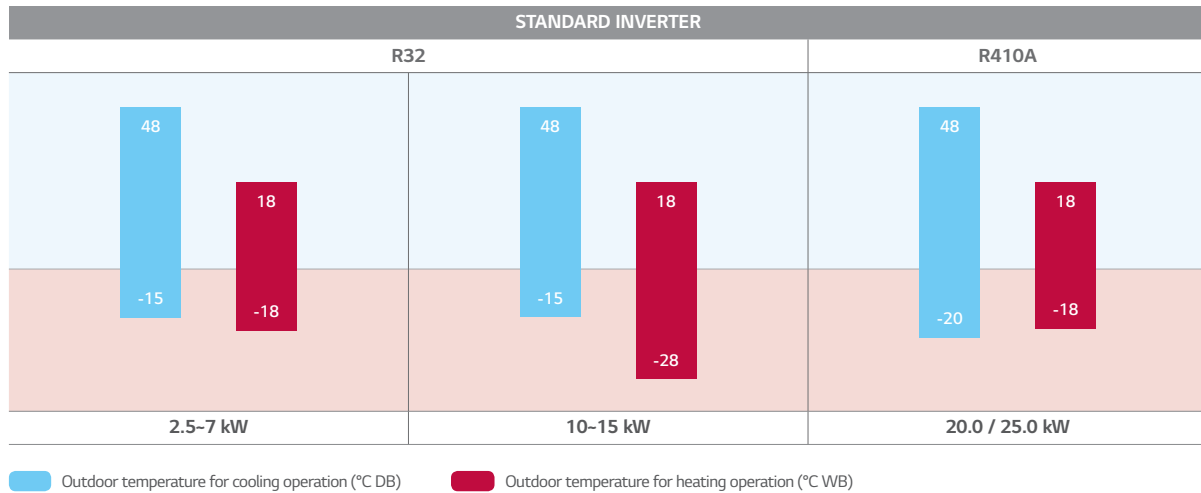
The advertisement features a hand holding a smartphone displaying the app interface with a current temperature of 23°C and a target of 27°C. Above the phone are logos for the App Store and Google Play. Below the phone are three smaller smartphone screens illustrating different app functions: 'Controlling & Monitoring' (showing temperature controls), 'Reservation' (showing a schedule for AM 1:00), and 'Energy Monitoring' (showing a power usage graph).

SINGLE SPLIT KEY FEATURES

PERFORMANCE

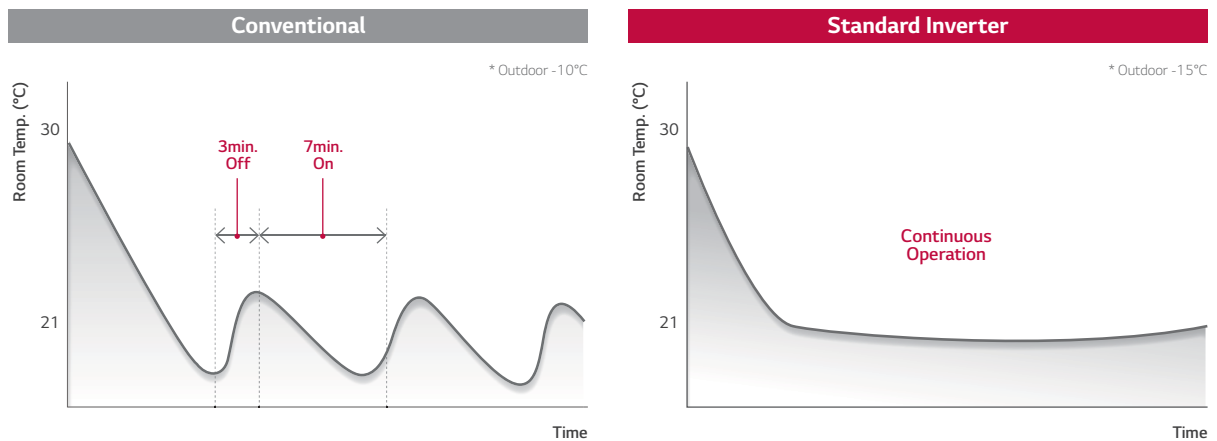
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Wide Operation Range



Stable Operation

High and stable cooling performance at low temperatures.



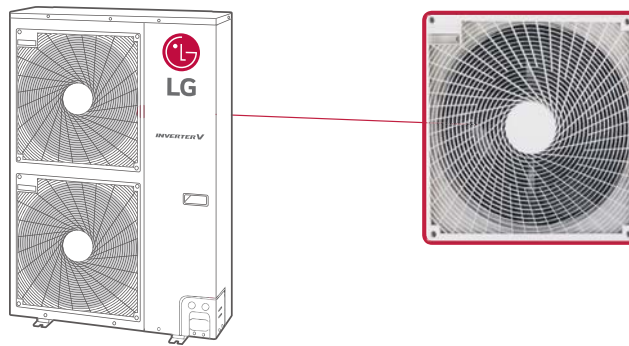
SINGLE SPLIT KEY FEATURES

QUIET OPERATION

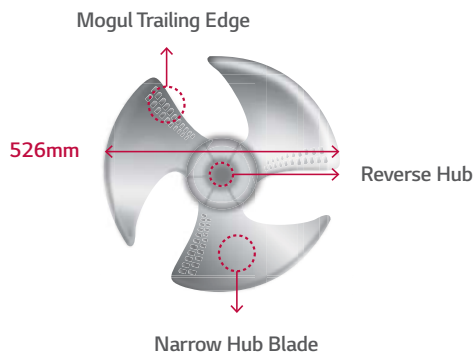
Advanced Grille & Fan

The improved grille shape design on the outdoor unit helps to distribute air more efficiently which improves heat exchange and reduces the noise level. The new axial Fan has a thick front edge and a smooth rear edge, thus providing not only high efficiency, low noise, wide fan, but also improving the air flow rate.

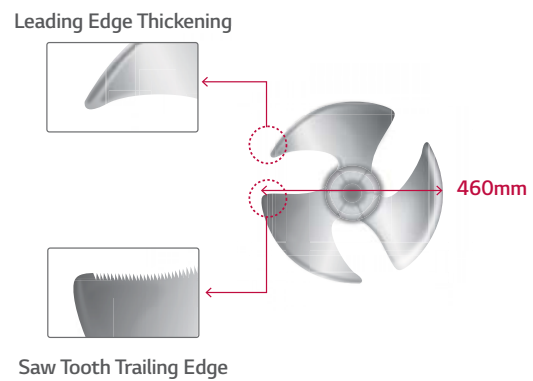
Grille



Fan Type 1



Fan Type 2



CEILING MOUNTED CASSETTE

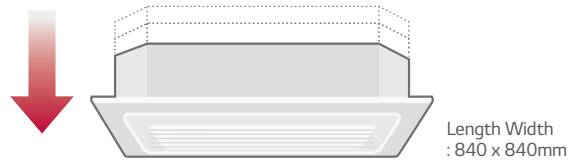


SINGLE SPLIT KEY FEATURES

CEILING MOUNTED CASSETTE

Compact Size

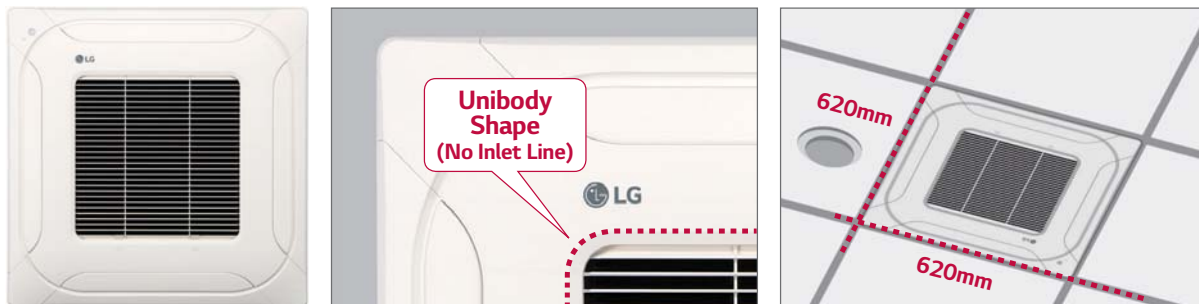
The indoor unit with slim and compact dimensions allows successful installation by easily accommodating it in various places of restricted area space.



Standard Inverter	Height
7.1 - 8.0kW	204mm
10.0kW	246mm
12.5 - 15kW	288mm

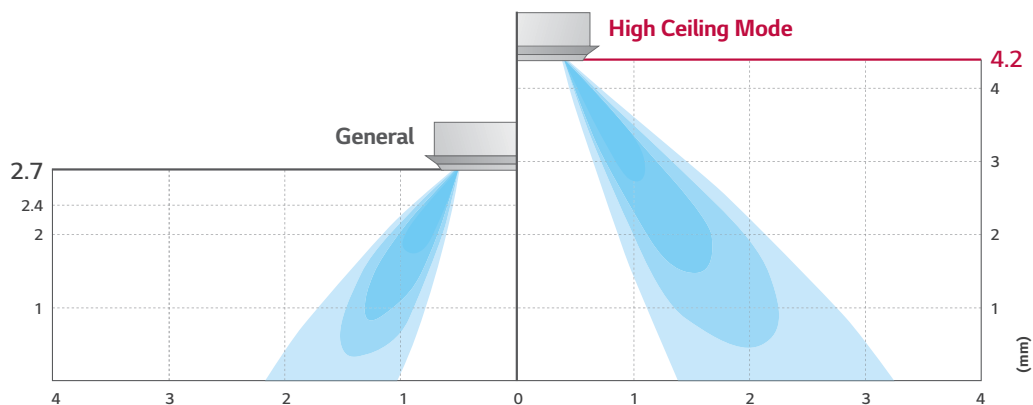
620 Panel – Compact and Stylish Design

- New 4 way cassette panel adapted unibody shape and matching with into the ceiling
- Panel size is fit into the ceiling tile



High Ceiling Mode

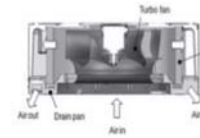
High ceiling mode provides powerful cooling and heating up to 4.2m in height, from ceiling to floor.



Human detect sensor & humidity sensor



Human detection sensor (PTVSM0)



Apply human detection sensor

Apply vision sensor

- Saving energy
- Supply comfortable flow
- Sensor is optional accessory only can be applied to PT-MCHW0

Comfortable and Power Saving Control based on Humidity

Apply humidity sensor

- Saving energy
- (To apply humidity sensor, new remote controller; PREMTB100 or PREMTBB10 is needed)

• Detection

Motion sensors detect the activity of people per 20seconds



• Detection range



Height 3.2 (15 x 8m)



Height 3.5 (16 x 10m)



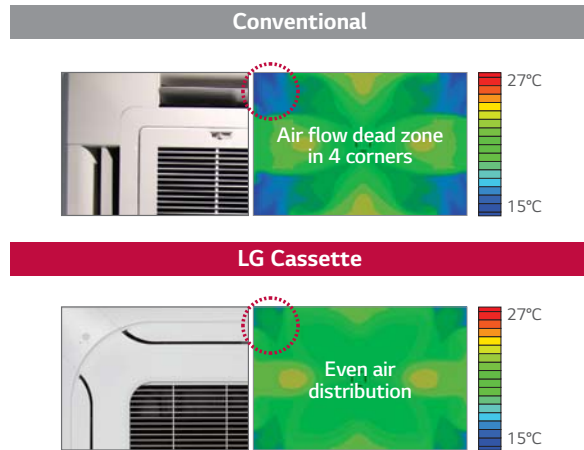
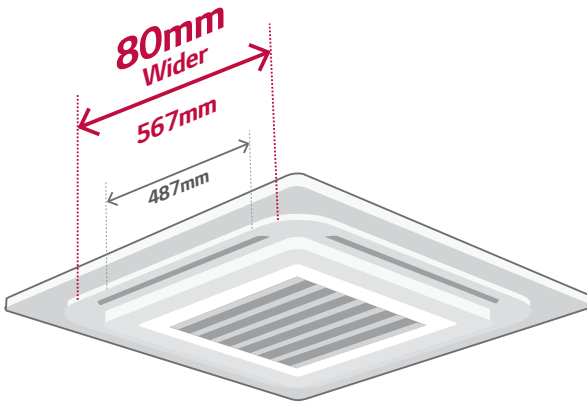
A sensor is installed 90° rotation
12 x 6m → 6 x 12m detecting

SINGLE SPLIT KEY FEATURES

CEILING MOUNTED CASSETTE

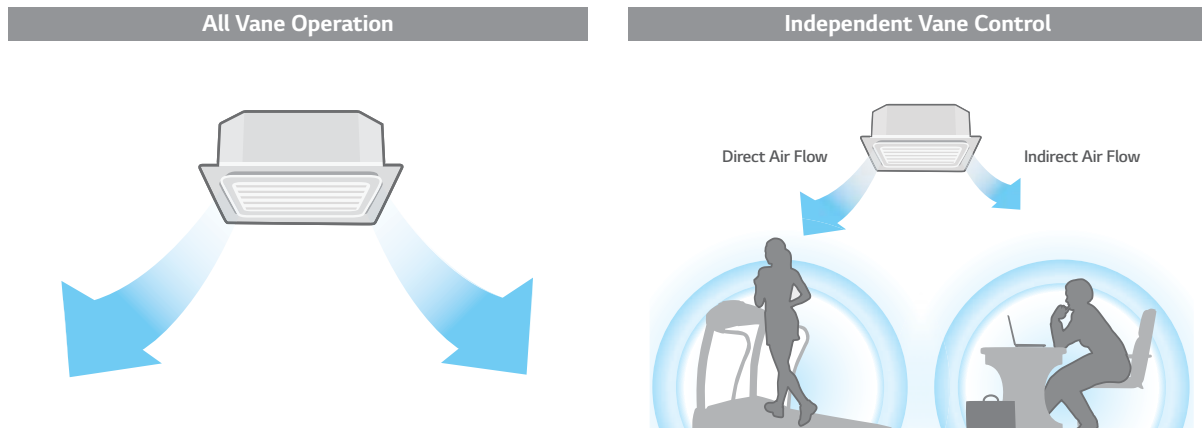
950/700 Panel – Wide Jet Air Flow

Improved vanes reduce the curved area and provide even distribution.



Independent Vane Operation

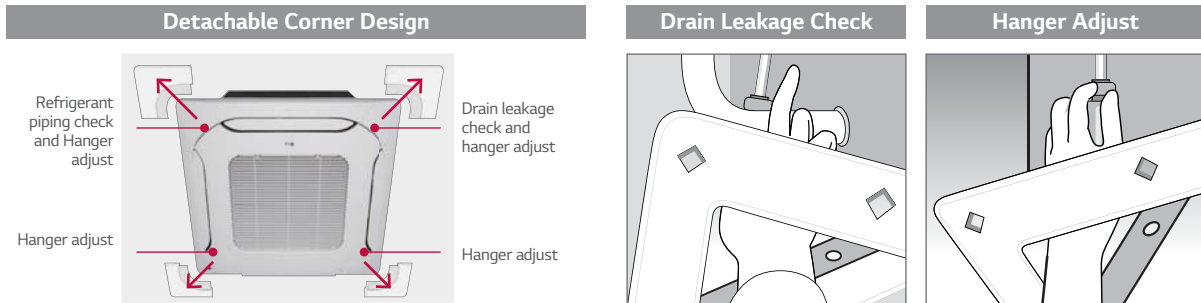
The independent vane operation feature uses separate motors, making it possible to control all four vanes independently.



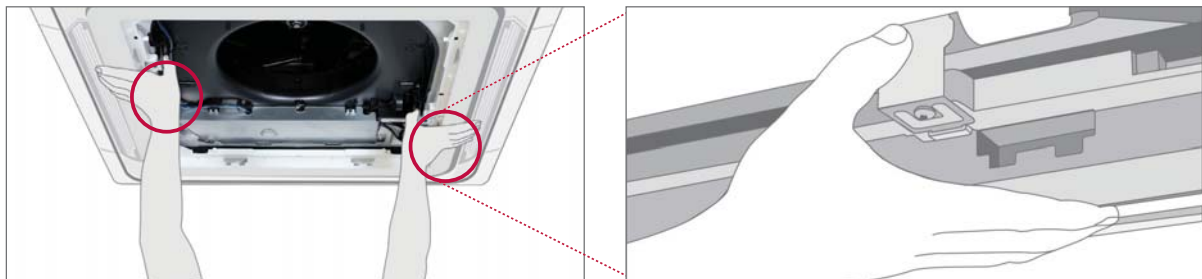
* Wired remote controller PQRVSL0 (QW) applied

Convenient Panel Installation

The detachable corner design makes it convenient to adjust the hanger during installation and to check for leakages in the drain connection pipe.



It is easy to attach the panel to the body, using the button type panel design

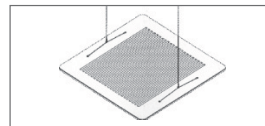


Auto Elevation Grille

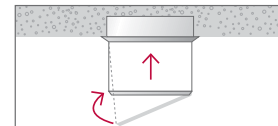
Easy filter cleaning by using the elevation grill.



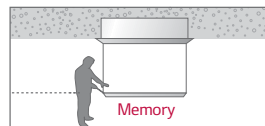
4-Point Support Structure



Auto Leveling



Memory for User's Level



Auto Stop Detection



* Operating with wired remote controller PREMTB100, PREMTB001 and wireless remote controller included in PTEGM0.

* Except CT09 NR2 / CT12 NR2 / CT18 NQ2

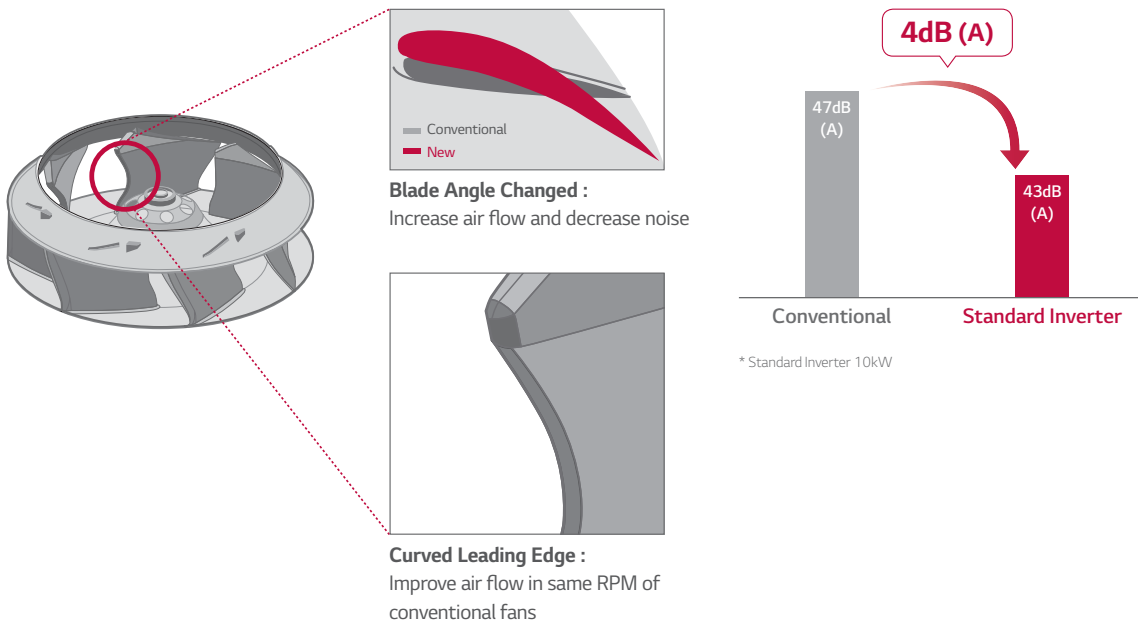
* Applied to cassette panel PT-UMC1

SINGLE SPLIT KEY FEATURES

CEILING MOUNTED CASSETTE

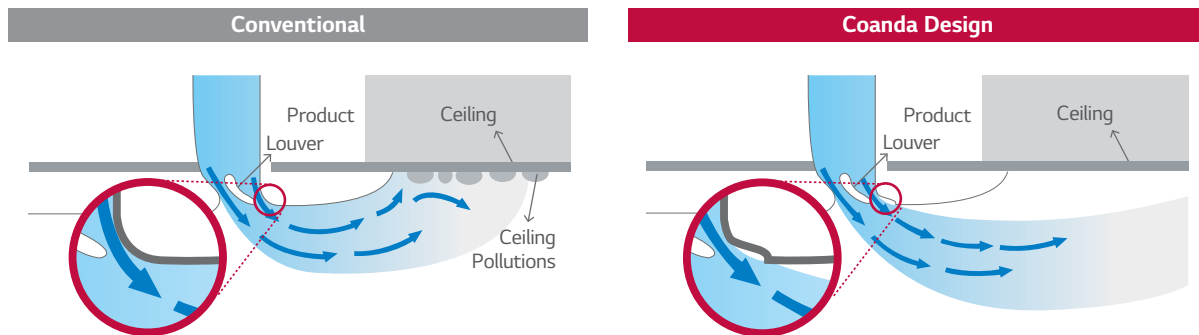
Quiet Operation with 3D Fan

New technology of 3D fan is applied to H-Inverter cassettes 10 ~ 14kW. It increases air flow but reduces noise.



Prevent Ceiling Pollution

Coanda design of air outlet can prevent contamination of ceiling.



SINGLE SPLIT SPECIFICATION

CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

CT09R
CT12R
CT18R
CT24R



UU09WR
UU12WR

UU18WR

UU24WR



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COMMERCIAL

INDOOR				CT09R NR0	CT12R NR0	CT18R NQ0	CT24R NP0
Capacity	Cooling	Min / Nom / Max	kW	1.0 / 2.5 / 2.8	1.4 / 3.4 / 3.9	2.0 / 5.0 / 5.7	2.84 / 6.8 / 7.8
	Heating	Min / Nom / Max	kW	1.2 / 3.2 / 3.4	1.6 / 4.0 / 4.6	2.2 / 5.8 / 6.8	3.2 / 8.0 / 8.8
Low Temperature Capacity	Heating -7°C	Max	kW	2.7	3.6	4.9	7.2
	Cooling	Nom	kW	0.63	0.97	1.56	1.94
Power Input (Set)	Heating	Nom	kW	0.75	1.12	1.66	2.00
	Power Input (Indoor)	Min / Nom / Max	W	10 / 20 / 20	10 / 20 / 20	10 / 30 / 40	20 / 50 / 60
Running Current	Cooling / Heating	Nom	A	2.7 / 3.5	4.3 / 5.0	7.1 / 7.5	8.6 / 8.8
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				4.00	3.51	3.21	3.51
COP				4.00	3.58	3.49	4.00
SEER				6.77	6.58	6.25	7.70
SCOP				4.36	4.40	4.25	4.60
Pdesign (@-10°C)			kW	3.0	3.0	4.1	5.8
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A+	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	129 / 963	181 / 955	280 / 1,351	309 / 1,765
	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m ³ /min	8.5 / 7.0 / 6.0	9.5 / 8.0 / 7.0	13.0 / 12.0 / 11.0	17.0 / 15.0 / 13.0
Sound Pressure	Cooling	High / Medium / Low	dBA	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36	38 / 36 / 34
Sound Power	Cooling	Max	dBA	52	52	57	57
Dehumidification Rate			l/h	0.9	1.4	2.0	2.7
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
	Net Weight	Body	kg	14.0	14.0	14.3	20.5
Decoration Panel	Model			PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-MCHW0
	Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog
	Dimensions	W x H x D	mm	620 x 20 x 620	620 x 20 x 620	620 x 20 x 620	950 x 25 x 950
	Weight		kg	3.0	3.0	3.0	6.3

OUTDOOR				UU09WR ULO	UU12WR ULO	UU18WR U20	UU24WR U40
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom		m ³ /min	32	32	50	58
	Sound Pressure	Cooling	Nom	dBA	47	49	47
Sound Power	Heating	Nom	dBA	50	52	52	52
	Cooling	Max	dBA	65	65	63	67
Dimensions	W x H x D		mm	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Net Weight			kg	33.8	33.8	44.8	56.1
Refrigerant	Type			R32	R32	R32	R32
	Charge		g	900	900	1,100	1,600
	Additional Charge (after 7.5m)		g/m	20	20	20	35
	GWP			675	675	675	675
	τ-CO ₂ eq			0.61	0.61	0.74	1.08
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15	20	25
Piping Length Total		Min - Max	m	5-20	5-20	5-30	5-50
Piping Elevation Difference	IDU - ODU	Max	m	15	15	30	30
Piping Connection	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)

SINGLE SPLIT SPECIFICATION

CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

UT36R
UT42R
UT48R
UT60R



UU36WR UU42WR
UU48WR
UU60WR



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INDOOR				UT36R.NM0	UT42R.NM0	UT48R.NM0	UT60R.NM0
Capacity	Cooling	Min / Nom / Max	kW	4.5 / 9.5 / 13.0	5.0 / 12.0 / 14.5	5.5 / 13.4 / 16.0	5.9 / 14.6 / 16.3
	Heating	Min / Nom / Max	kW	5.0 / 10.8 / 13.7	5.5 / 13.5 / 16.5	6.1 / 15.5 / 18.0	6.8 / 16.9 / 18.7
Low Temperature Capacity	Heating -7°C	Max	kW	9.8	12.5	14.3	15.2
	Cooling	Nom	kW	2.47	3.50	4.35	5.38
Power Input (Set)	Heating	Nom	kW	2.80	3.75	4.82	5.60
	Power Input (Indoor)	Min / Nom / Max	W	40 / 190 / 210	40 / 190 / 210	40 / 190 / 210	40 / 190 / 210
Running Current	Cooling / Heating	Nom	A	10.7 / 12.2	15.2 / 16.3	18.9 / 21.0	23.4 / 24.3
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.85	3.43	3.08	2.71
COP				3.86	3.60	3.22	3.02
SEER				6.50	6.10	5.87	5.57
SCOP				4.30	4.10	4.04	3.92
Pdesign (@-10°C)			kW	8.05	8.05	9.30	9.30
Seasonal Energy Label	Cooling / Heating			A++ / A+ (A++ to E Scale)	A++ / A+	-	-
Annual Energy Consumption	Cooling / Heating		kWh	512 / 2,605	689 / 2,732	1,370 / 3,223	1,573 / 3,321
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m ³ /min	30.0 / 25.0 / 20.0	33.0 / 28.0 / 22.0	33.0 / 28.0 / 22.0	33.0 / 28.0 / 22.0
Sound Pressure	Cooling	High / Medium / Low	dBA	46 / 43 / 40	47 / 44 / 41	47 / 44 / 41	47 / 44 / 41
Sound Power	Cooling	Max	dBA	62	64	64	66
Dehumidification Rate			l/h	2.7	4.2	5.2	6.2
Dimensions	Body	W x H x D	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Net Weight	Body		kg	24.6	24.6	24.6	24.6
Decoration Panel	Model			PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0
	Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog
	Dimensions	W x H x D	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	6.3	6.3	6.3	6.3

OUTDOOR				UU36WR.U30	UU42WR.U30	UU48WR.U30	UU60WR.U30
Compressor	Type			R-Scroll	R-Scroll	R-Scroll	R-Scroll
Airflow Rate	Nom		m ³ /min	110	110	110	110
Sound Pressure	Cooling	Nom	dBA	52	52	52	52
	Heating	Nom	dBA	54	54	54	54
Sound Power	Cooling	Max	dBA	66	67	68	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	87.5	87.5	87.5	87.5
Refrigerant	Type			R32	R32	R32	R32
	Charge		g	3,000	3,000	3,000	3,000
	Additional Charge (after 7.5m)		g/m	40	40	40	40
	GWP			675	675	675	675
	t-CO ₂ eq			2.03	2.03	2.03	2.03
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-25 - 18	-25 - 18	-25 - 18	-25 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 6.0	3C x 6.0	3C x 6.0	3C x 6.0
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40	40
Piping Length Total	IDU - ODU	Min - Max	m	5-85	5-85	5-85	5-85
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)



STANDARD INVERTER (R32)

UT36R
UT42R
UT48R
UT60R



UU37WR UU42WR
UU49WR
UU61WR



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INDOOR				UT36R.NM0	UT42R.NM0	UT48R.NM0	UT60R.NM0
Capacity	Cooling	Min / Nom / Max	kW	4.5 / 9.5 / 13.0	5.0 / 12.0 / 14.5	5.5 / 13.4 / 16.0	5.9 / 14.6 / 16.3
	Heating	Min / Nom / Max	kW	5.0 / 10.8 / 13.7	5.5 / 13.5 / 16.5	6.1 / 15.5 / 18.0	6.8 / 16.9 / 18.7
Low Temperature Capacity	Heating -7°C	Max	kW	9.8	12.5	14.3	15.2
	Cooling	Nom	kW	2.47	3.50	4.35	5.38
Power Input (Set)	Heating	Nom	kW	2.80	3.75	4.82	5.60
	Power Input (Indoor)	Min / Nom / Max	W	40 / 190 / 210	40 / 190 / 210	40 / 190 / 210	40 / 190 / 210
Running Current	Cooling / Heating	Nom	A	3.6 / 4.0	5.1 / 5.4	5.8 / 6.4	7.8 / 8.1
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.85	3.43	3.08	2.71
COP				3.86	3.60	3.22	3.02
SEER				6.50	6.18	5.87	5.57
SCOP				4.30	4.17	4.04	3.92
Pdesign (@-10°C)			kW	8.05	8.05	9.30	9.30
Seasonal Energy Label	Cooling / Heating			A++ / A+ (A++ to E Scale)	A++ / A+	-	-
Annual Energy Consumption	Cooling / Heating		kWh	512 / 2,605	689 / 2,732	1,370 / 3,223	1,573 / 3,321
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m ³ /min	30.0 / 25.0 / 20.0	33.0 / 28.0 / 22.0	33.0 / 28.0 / 22.0	33.0 / 28.0 / 22.0
Sound Pressure	Cooling	High / Medium / Low	dBA	46 / 43 / 40	47 / 44 / 41	47 / 44 / 41	47 / 44 / 41
Sound Power	Cooling	Max	dBA	62	64	64	66
Dehumidification Rate			l/h	2.7	4.2	5.2	6.2
Dimensions	Body	W x H x D	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Net Weight	Body		kg	24.6	24.6	24.6	24.6
	Model			PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0
Decoration Panel	Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog
	Dimensions	W x H x D	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	6.3	6.3	6.3	6.3

OUTDOOR				UU37WR.U30	UU43WR.U30	UU49WR.U30	UU61WR.U30
Compressor	Type			R-Scroll	R-Scroll	R-Scroll	R-Scroll
Airflow Rate	Nom		m ³ /min	110	110	110	110
Sound Pressure	Cooling	Nom	dBA	52	52	52	52
	Heating	Nom	dBA	54	54	54	54
Sound Power	Cooling	Max	dBA	66	67	68	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	87.5	87.5	87.5	87.5
	Type			R32	R32	R32	R32
Refrigerant	Charge		g	3,000	3,000	3,000	3,000
	Additional Charge (after 7.5m)		g/m	40	40	40	40
	GWEP			675	675	675	675
	t-CO ₂ eq			2.03	2.03	2.03	2.03
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-25 - 18	-25 - 18	-25 - 18	-25 - 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm ²	5C x 2.5	3C x 6.0	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	40	20	20
Piping Length Total		Min - Max	m	5-85	5-85	5-85	5-85
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)

COMMERCIAL

SINGLE SPLIT SPECIFICATION

CEILING MOUNTED CASSETTE

STANDARD INVERTER (R410A)

CT09
CT12
CT18



UU09W
UU12W

UU18W



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INDOOR			CT09 NR2	CT12 NR2	CT18 NQ4	
Capacity	Cooling	Min / Nom / Max	kW	1.0 / 2.5 / 2.8	1.4 / 3.4 / 3.7	2.0 / 5.0 / 5.5
	Heating	Min / Nom / Max	kW	1.2 / 3.0 / 3.3	1.6 / 4.0 / 4.4	2.2 / 5.8 / 6.8
Low Temperature Capacity	Heating -7°C	Max	kW	2.7	3.6	4.9
	Cooling	Nom	kW	0.75	1.06	1.56
Power Input (Set)	Heating	Nom	kW	0.81	1.10	1.66
	Power Input (Indoor)	Nom	W	20	20	40
Running Current	Cooling / Heating	Nom	A	3.3 / 3.5	4.61 / 4.78	7.1 / 7.5
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.33	3.21	3.22
COP				3.70	3.64	3.62
SEER				5.11	5.61	6.10
SCOP				3.81	3.91	4.25
Pdesign (@ -10°C)			kW	2.8	3.0	4.1
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A / A	A+ / A	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	172 / 1,032	213 / 1,077	287 / 1,351
	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Piping Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	8.5 / 7.0 / 6.0	9.5 / 8.0 / 7.0	13.0 / 12.0 / 11.0
Sound Pressure	Cooling	High / Medium / Low	dBA	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36
Sound Power	Cooling	Max	dBA	48	51	57
Dehumidification Rate			l/h	1.4	1.7	2.1
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570
Net Weight	Body		kg	14.0	14.0	15.3
	Model				PT-UQC, PT-QCHWO	
Decoration Panel	Color				Morning Fog (RAL 120-4)	
	Dimensions	W x H x D	mm		700 x 22 x 700, 620 x 20 x 620	
Weight			kg		3.0	

OUTDOOR			UU09W ULD	UU12W ULD	UU18W UE4	
Compressor	Type		Rotary	Rotary	Twin Rotary	
Airflow Rate	Nom	m³/min	32	32	50	
Sound Pressure	Cooling	Nom	dBA	47	47	
	Heating	Nom	dBA	48	52	
Sound Power	Cooling	Max	dBA	56	63	
Dimensions	W x H x D	mm	770 x 540 x 245	770 x 540 x 245	870 x 655 x 320	
Net Weight		kg	32.0	32.0	44.6	
	Type		R410A	R410A	R410A	
Refrigerant	Charge	g	1,000	1,000	1,300	
	Additional Charge	g/m	20	20	20	
	GWP		2,087.5	2,087.5	2,087.5	
	TCO2eq		2.1	2.1	2.7	
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 43	-10 - 43	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Power Supply Cable		No. x mm²		3C x 2.5	3C x 2.5	
Transmission Cable		No. x mm²		4C x 0.75	4C x 0.75	
Circuit Breaker		A		15	20	
Piping Length Total	IDU - ODU	Min - Max	m	5-15	5-15	5-30
Piping Elevation Difference	IDU - ODU	Max	m	10	10	30
Piping Connection	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions – Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

STANDARD INVERTER (R410A)

CT24
UT30



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UU24W
UU30W



COMMERCIAL

INDOOR				CT24 NP4	UT30 NP4
Capacity	Cooling	Min / Nom / Max	kW	2.8 / 6.8 / 7.8	3.2 / 8.0 / 8.8
	Heating	Min / Nom / Max	kW	3.2 / 8.0 / 8.8	3.6 / 9.0 / 9.9
Low Temperature Capacity	Heating -7°C		Max	7.2	8.1
	Cooling	Nom	kW	2.00	2.49
Power Input (Set)	Heating		Nom	2.22	2.72
	Heating		Nom	60	80
Power Input (Indoor)	Nom		W	60	80
Running Current	Cooling / Heating	Nom	A	8.9 / 9.7	10.8 / 11.8
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.70	3.21
COP				3.62	3.31
SEER				6.80	6.30
SCOP				4.20	4.00
Pdesign (@ -10°C)				6.3	6.8
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	350 / 2,110	444 / 2,380
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25
Air Flow Rate			High / Medium / Low	17.0 / 15.0 / 13.0	19.0 / 17.0 / 15.0
Sound Pressure	Cooling	High / Medium / Low	dBA	38 / 36 / 34	40 / 37 / 35
Sound Power	Cooling	Max	dBA	57	58
Dehumidification Rate				2.4	2.5
Dimensions	Body	W x H x D	mm	840 x 204 x 840	840 x 204 x 840
Net Weight	Body		kg	20.5	20.5
	Model			PT-UMC1	PT-UMC1
Decoration Panel	Color			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	W x H x D	mm	950 x 25 x 950	950 x 25 x 950
	Weight		kg	5.0	5.0

OUTDOOR				UU24W U44	UU30W U44
Compressor	Type			Twin Rotary	Twin Rotary
Airflow Rate	Nom		m ³ /min	58	58
Sound Pressure	Cooling	Nom	dBA	48	48
	Heating	Nom	dBA	52	52
Sound Power	Cooling	Max	dBA	67	68
Dimensions	W x H x D			950 x 834 x 330	950 x 834 x 330
Net Weight				56.1	58.0
	Type			R410A	R410A
Refrigerant	Charge	g		2,000	2,000
	Additional Charge	g/m		40	40
	GWP			2087.5	2087.5
	TCO _{2eq}			4.2	4.2
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply				1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable				3C x 2.5	3C x 2.5
Transmission Cable				4C x 0.75	4C x 0.75
Circuit Breaker				25	25
Piping Length Total	Min - Max		m	5 - 50	5 - 50
Piping Elevation Difference	IDU - ODU	Max	m	30	30
Piping Connection	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

SINGLE SPLIT SPECIFICATION

CEILING MOUNTED CASSETTE

STANDARD INVERTER (R410A)

UT36
UT42
UT48
UT60



UU36W

UU42W
UU48W
UU60W



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INDOOR			UT36 NM2	UT42 NM2	UT48 NM2	UT60 NM2	
Capacity	Cooling	Min / Nom / Max	kW	4.0 / 10.0 / 11.0	5.0 / 12.5 / 13.8	5.5 / 13.9 / 15.7	5.9 / 14.6 / 16.3
	Heating	Min / Nom / Max	kW	4.4 / 11.0 / 12.1	5.0 / 14.0 / 15.4	6.4 / 15.4 / 17.6	6.8 / 16.9 / 18.7
Low Temperature Capacity	Heating -7°C	Max	kW	9.8	12.5	14.3	15.2
		Nom	kW	2.82	3.89	4.62	5.40
Power Input (Set)	Heating	Nom	kW	3.09	3.88	4.51	5.50
		Nom	W	140	210	210	210
Running Current	Cooling / Heating	Nom	A	12.3 / 13.4	16.9 / 16.9	20.1 / 19.6	23.5 / 23.9
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.55	3.21	3.01	2.70
COP				3.56	3.61	3.41	3.07
SEER				5.41	5.40	5.40	5.30
SCOP				3.81	3.55	3.55	3.55
Pdesign (@ -10°C)			kW	7.6	12.8	12.8	12.8
Seasonal Energy Label	Cooling / Heating		A / A (A++ to E Scale)	-	-	-	-
Annual Energy Consumption	Cooling / Heating		kWh	648 / 2,800	-	-	-
		Liquid	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m ³ /min	24.0 / 22.0 / 19.0	30.0 / 28.0 / 26.0	34.0 / 32.0 / 30.0	34.0 / 32.0 / 30.0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	43 / 40 / 37	46 / 44 / 43	49 / 47 / 45	49 / 47 / 45
Sound Power	Cooling	Max	dB(A)	62	65	66	66
Dehumidification Rate			l/h	2.7	3.6	4.4	5.5
Dimensions	Body	W x H x D	mm	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Net Weight	Body		kg	22.3	24.6	24.6	24.6
	Model			PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1
Decoration Panel	Color			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	W x H x D	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	5.0	5.0	5.0	5.0

OUTDOOR			UU36W U02	UU42W U32	UU48W U32	UU60W U32	
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	
Airflow Rate	Nom		m ³ /min	90	110	110	110
		Nom	dB(A)	53	52	52	52
Sound Pressure	Heating	Nom	dB(A)	54	54	54	54
		Max	dB(A)	66	67	68	71
Sound Power	Cooling	Max	dB(A)	66	67	68	71
Dimensions	W x H x D		mm	950 x 1,170 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	81.0	92.0	92.0	92.0
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge		g	2,800	3,400	3,400	3,400
	Additional Charge		g/m	40	40	40	40
	GWP			2087.5	2087.5	2087.5	2087.5
	TCO _{2eq}			5.8	7.1	7.1	7.1
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 5.0	3C x 5.0	3C x 5.0	3C x 5.0
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40	40
Piping Length Total	IDU - ODU	Min - Max	m	5 - 50	5 - 75	5 - 75	5 - 75
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

STANDARD INVERTER (R410A)

UT36
UT42
UT48
UT60



UU37W

UU43W
UU49W
UU61W



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INDOOR				UT36 NM2	UT42 NM2	UT48 NM2	UT60 NM2
Capacity	Cooling	Min / Nom / Max	kW	4.0 / 10.0 / 11.0	5.0 / 12.5 / 13.8	5.5 / 13.9 / 15.7	5.9 / 14.6 / 16.3
	Heating	Min / Nom / Max	kW	4.4 / 11.0 / 12.1	5.0 / 14.0 / 15.4	6.4 / 15.3 / 17.6	6.8 / 16.9 / 18.7
Low Temperature Capacity	Heating -7°C	Max	kW	9.8	12.5	14.3	15.2
	Cooling	Nom	kW	2.82	3.89	4.62	5.40
Power Input (Set)	Heating	Nom	kW	3.09	3.88	4.49	5.50
	Cooling	Nom	W	140	210	210	210
Power Input (Indoor)		Nom	W	140	210	210	210
Running Current	Cooling / Heating	Nom	A	4.1 / 4.5	5.6 / 5.6	6.7 / 6.5	7.8 / 8.0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.55	3.21	3.01	2.70
COP				3.56	3.61	3.41	3.07
SEER				5.41	5.40	5.40	5.30
SCOP				3.81	3.55	3.55	3.55
Pdesign (@ -10°C)			kW	7.6	12.8	12.8	12.8
Seasonal Energy Label	Cooling / Heating			A / A (A++ to E Scale)	-	-	-
Annual Energy Consumption	Cooling / Heating		kWh	648 / 2,800	-	-	-
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	24.0 / 22.0 / 19.0	30.0 / 28.0 / 26.0	34.0 / 32.0 / 30.0	34.0 / 32.0 / 30.0
Sound Pressure	Cooling	High / Medium / Low	dBA	43 / 40 / 37	46 / 44 / 43	49 / 47 / 45	49 / 47 / 45
Sound Power	Cooling	Max	dBA	62	65	66	66
Dehumidification Rate			l/h	2.7	3.6	4.4	5.5
Dimensions	Body	W x H x D	mm	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Net Weight	Body	kg	22.3	24.6	24.6	24.6
Decoration Panel	Model			PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1
	Color			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	W x H x D	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	5.0	5.0	5.0	5.0

OUTDOOR				UU37W U02	UU43W U32	UU49W U32	UU61W U32
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom		m³/min	90	110	110	110
Sound Pressure	Cooling	Nom	dBA	53	52	52	52
	Heating	Nom	dBA	54	54	54	54
Sound Power	Cooling	Max	dBA	66	67	68	71
Dimensions	W x H x D		mm	950 x 1,170 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	85.0	96.0	96.0	96.0
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge		g	2,800	3,400	3,400	3,400
	Additional Charge		g/m	40	40	40	40
	GWP			2087.5	2087.5	2087.5	2087.5
	TCO2eq		-	5.8	7.1	7.1	7.1
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	5C x 2.5	5C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20	20
Piping Length Total		Min - Max	m	5 - 50	5 - 75	5 - 75	5 - 75
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

CEILING CONCEALED DUCT



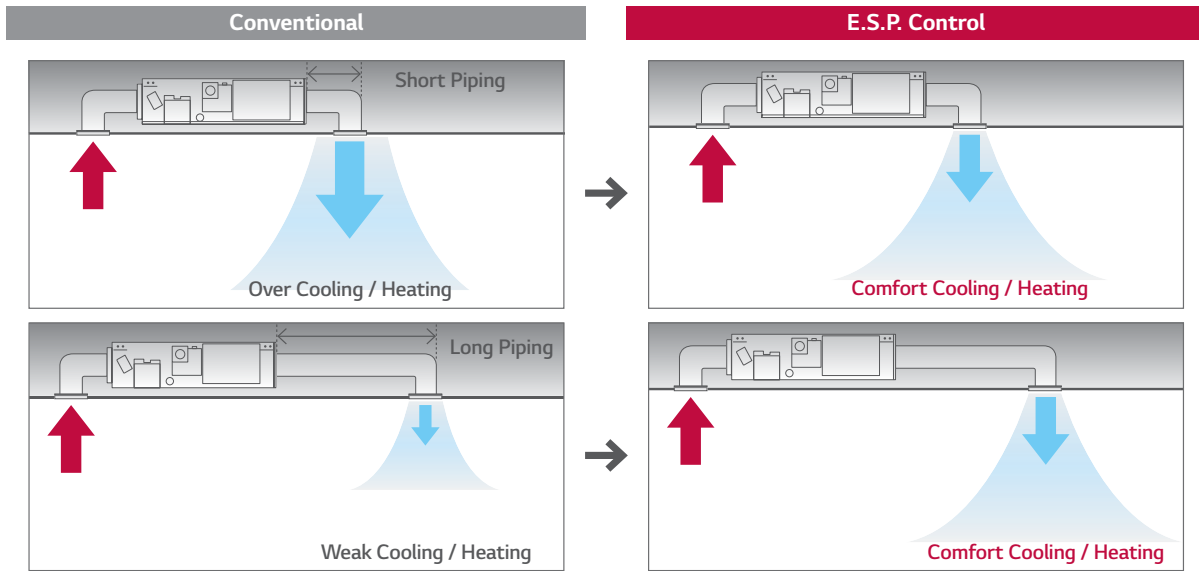
SINGLE SPLIT KEY FEATURES

CEILING CONCEALED DUCT

COMMERCIAL

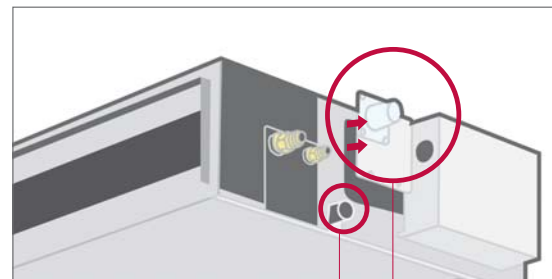
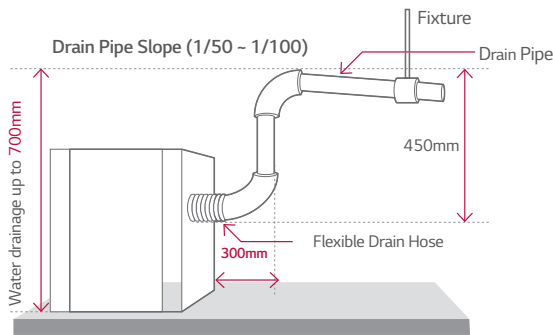
E.S.P. (External Static Pressure) Control

This function easily controls volume of the air by a remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. Additional accessories are not required to control air flow.



High Head Drain Pump

High head drain pump automatically drains water up to a height of 200mm of drain-head height. It provides the perfect solution for draining of water. (Standard Inverter : Accessory (ABDPG) / Low-Static Duct : Included)



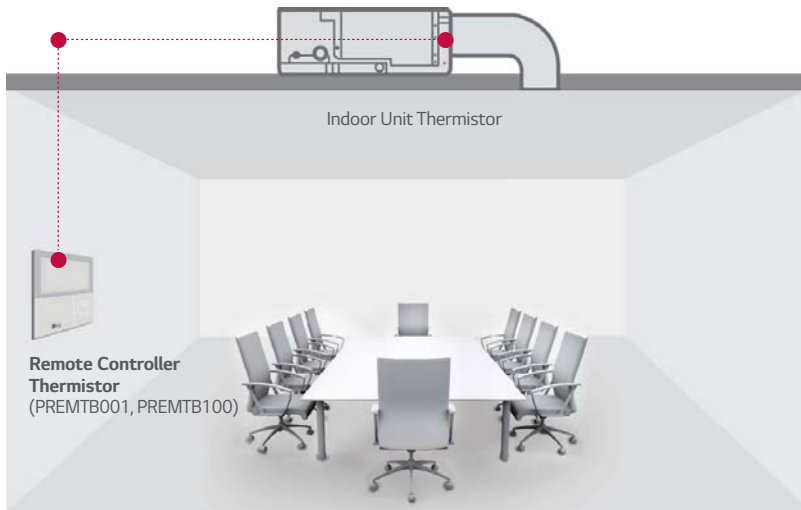
Available for Natural Drainage
 Detachable Drain Pump

SINGLE SPLIT KEY FEATURES

CEILING CONCEALED DUCT

Two Thermistors Control

The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimise indoor air temperature for a more comfortable environment.



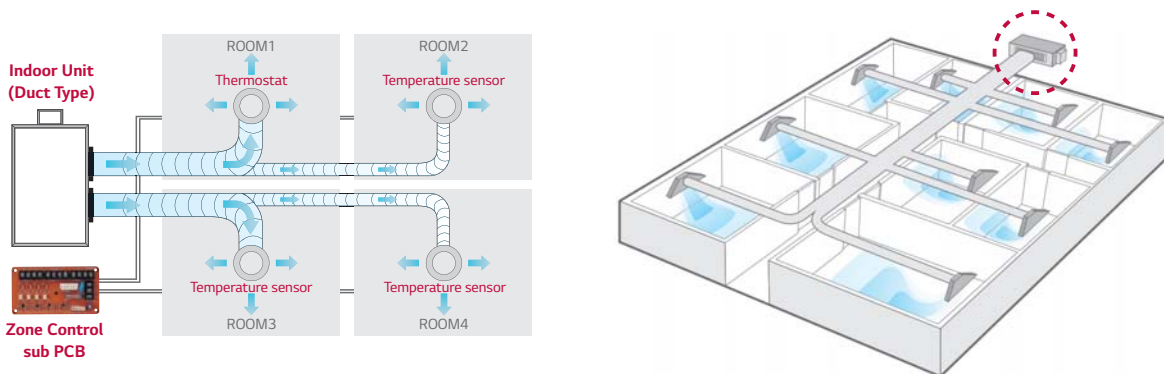
Compares temperatures sensed from different positions, and automatically selects the optimum temperature for users

Operation for Multiple Rooms

Using a spiral duct (Embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously. Also, zone control is available with zone controller accessory (ABZCA)

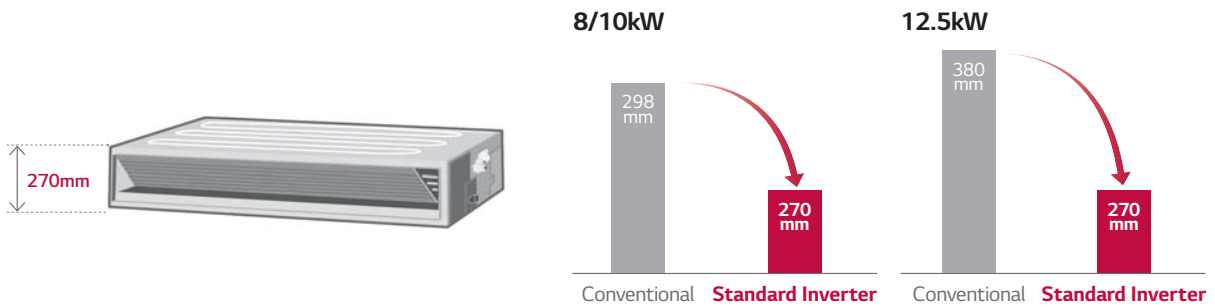
Zone control features

- Controls different zones (up to 4 zones) by external thermostat (AC a24V)
- Maintain proper air volume of each zone
- Auto variation of dampers
- Auto control of fan speed and On / Off operation

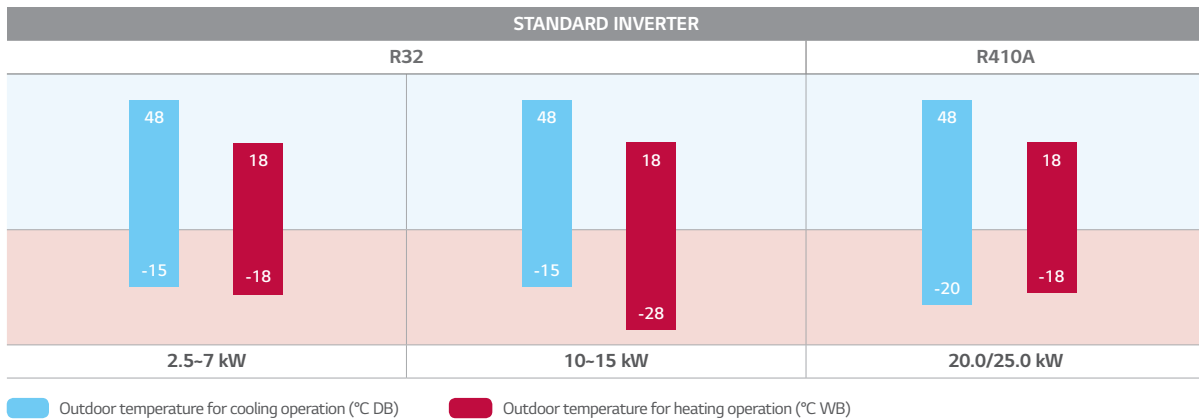


Minimized Height

New mid-static ducts provide ideal solution for installation in limited space.

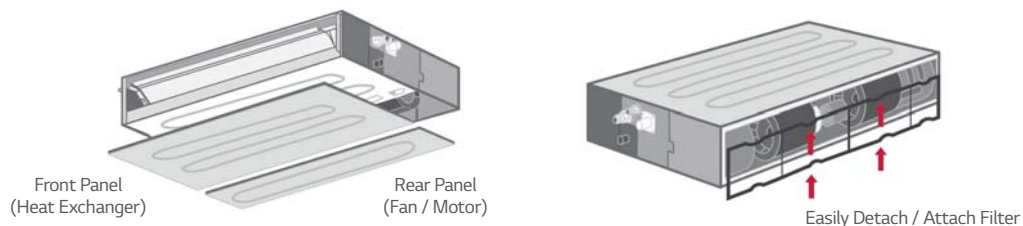


Wide Operation Range



Easy Service & Maintenance

Users are not required to disassemble the whole panel for maintenance; since panel is divided into 2 components; one for heat exchanger and the other for fan/motor. The user can easily detach and re-attach the filter in the available limited space.



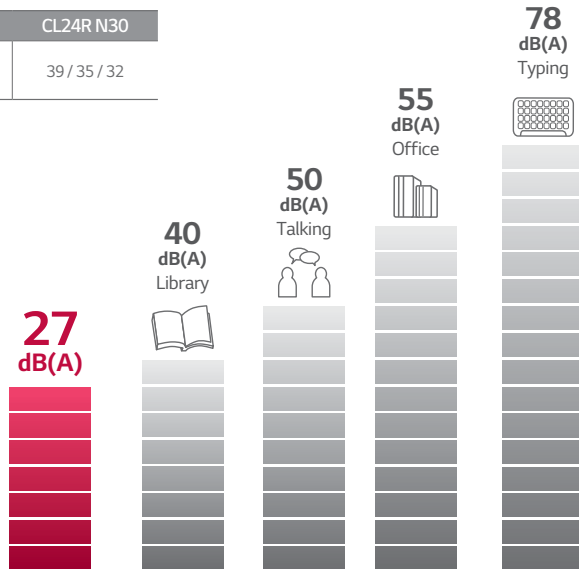
SINGLE SPLIT KEY FEATURES

CEILING CONCEALED DUCT (LOW STATIC PRESSURE)

Quiet Operation

The noise level of low static ducts have been reduced, even though ESP has been increased.

		CL09R N20	CL12R N20	CL18R N20	CL24R N30
Sound Pressure (High / Medium / Low)	dB (A)	31 / 28 / 27	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32

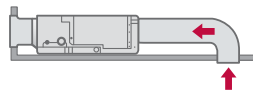


Flexible Installation

Standard Inverter low static duct allows the air intake at the rear or bottom under installation condition.

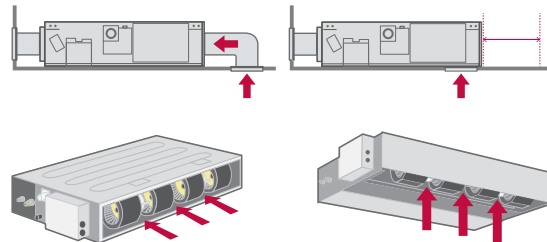
Conventional

Air intake at the only rear



Standard Inverter Low Static Duct

Air intake at the rear or bottom



SINGLE SPLIT SPECIFICATION

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

HIGH STATIC PRESSURE - CM18R / CM24R



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com

UU18WR



UU24WR



COMMERCIAL

INDOOR				CM18R N10	CM24R N10
Capacity	Cooling	Min / Nom / Max	kW	1.8 / 5.0 / 6.0	2.8 / 6.8 / 7.8
	Heating	Min / Nom / Max	kW	2.2 / 6.0 / 7.2	3.2 / 7.5 / 8.3
Low Temperature Capacity	Heating -7°C	Max	kW	5.4	7.2
	Cooling	Nom	kW	1.46	2.03
Power Input (Set)	Heating	Nom	kW	1.60	2.20
		Min / Max (ESP 2.5mmAq)	W	50 / 80	50 / 90
Power Input (Indoor)		Min / Max (ESP 8.0mmAq)	W	90 / 160	100 / 180
	Cooling / Heating	Nom	A	6.5 / 7.1	9.0 / 9.8
Running Current					
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.42	3.35
COP				3.74	3.40
SEER				6.30	6.81
SCOP				4.15	4.01
Pdesign (@-10°C)			kW	4.1	5.4
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	278 / 1,383	350 / 1,890
	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 2.7 (1/2)	Ø 15.88 (5/8)
	Drain		mm	32.0 / 25.0	32.0 / 25.0
	O.D. / I.D.		mm	32.0 / 25.0	32.0 / 25.0
Air Flow Rate		High / Medium / Low	m ³ /min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5
Sound Pressure	Cooling	High / Medium / Low	dB(A)	34 / 32 / 30	35 / 34 / 32
Sound Power	Cooling	Max	dB(A)	59	60
Dehumidification Rate			l/h	1.5	2.5
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700
Net Weight	Body		kg	26.5	26.5
External Static Pressure		Min - Max	mmAq (Pa)	2.5-15 (25-147)	2.5-15 (25-147)

OUTDOOR				UU18WR U20	UU24WR U40
Compressor	Type			Twin Rotary	Twin Rotary
Airflow Rate		Nom	m ³ /min	50	58
	Cooling	Nom	dB(A)	47	48
Sound Pressure	Heating	Nom	dB(A)	52	52
	Cooling	Max	dB(A)	63	67
Sound Power	Cooling	Max	dB(A)	63	67
Dimensions	W x H x D		mm	870 x 650 x 330	950 x 834 x 330
Net Weight			kg	44.8	56.1
Refrigerant	Type			R32	R32
	Charge		g	1,100	1,600
	Additional Charge (after 7.5m)		g/m	20	35
	GWP			675	675
	t-CO ₂ eq			0.74	1.08
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	25
Piping Length Total		Min - Max	m	5 - 30	5 - 50
Piping Elevation Difference	IDU - ODU	Max	m	30	30
Piping Connection	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)

SINGLE SPLIT SPECIFICATION

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

HIGH STATIC PRESSURE
- UM36R / UM42R / UM48R / UM60R



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UU36WR UU42WR
UU48WR
UU60WR



INDOOR				UM36R.N20	UM42R.N20	UM48R.N30	UM60R.N30
Capacity	Cooling	Min / Nom / Max	kW	4.5 / 9.5 / 13.0	5.1 / 12.0 / 14.5	5.5 / 13.4 / 16.0	5.9 / 15.0 / 16.3
	Heating	Min / Nom / Max	kW	5.0 / 10.8 / 13.7	5.5 / 13.5 / 16.5	6.1 / 15.5 / 18.0	6.8 / 16.8 / 18.7
Low Temperature Capacity	Heating -7°C	Max	kW	10.0	12.5	14.8	15.2
	Cooling	Nom	kW	2.43	3.45	4.00	4.75
Power Input (Set)	Heating	Nom	kW	2.85	3.65	4.40	4.80
		Min / Max (ESP 5.0mmAq)	W	120 / 210	140 / 260	100 / 220	270 / 290
Power Input (Indoor)		Min / Max (ESP 15.0mmAq)	W	200 / 360	230 / 380	220 / 340	300 / 430
	Running Current	Cooling / Heating	Nom	A	10.6 / 12.4	15.0 / 15.9	17.4 / 19.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.91	3.48	3.35	3.16
COP				3.79	3.70	3.52	3.50
SEER				5.62	5.50	5.51	5.45
SCOP				4.04	4.00	3.96	3.92
Pdesign (@-10°C)			kW	8.05	8.05	9.3	9.3
Seasonal Energy Label	Cooling / Heating			A+ / A+ (A++ to E Scale)	A / A+	-	-
Annual Energy Consumption	Cooling / Heating		kWh	594 / 2,800	764 / 2,800	1,459 / 3,288	1,651 / 3,321
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m ³ /min	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
Sound Pressure	Cooling	High / Medium / Low	dBA	36 / 34 / 33	38 / 36 / 34	40 / 38 / 36	42 / 40 / 38
Sound Power	Cooling	Max	dBA	60	62	65	66
Dehumidification Rate			l/h	2.6	3.6	4.5	5.0
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Net Weight	Body		kg	38.5	38.5	43.5	43.5
External Static Pressure		Min - Max	mmAq (Pa)	4-15 (39-147)	5-15 (49-147)	5-15 (49-147)	5-15 (49-147)

OUTDOOR				UU36WR.U30	UU42WR.U30	UU48WR.U30	UU60WR.U30
Compressor	Type			R-Scroll	R-Scroll	R-Scroll	R-Scroll
Airflow Rate		Nom	m ³ /min	110	110	110	110
	Cooling	Nom	dBA	52	52	52	52
Sound Pressure	Heating	Nom	dBA	54	54	54	54
	Cooling	Max	dBA	66	67	68	68
Sound Power	Cooling	Max	dBA	66	67	68	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	87.5	87.5	87.5	87.5
Refrigerant	Type			R32	R32	R32	R32
	Charge		g	3,000	3,000	3,000	3,000
	Additional Charge (after 7.5m)		g/m	40	40	40	40
	GWP			675	675	675	675
	t-CO ₂ eq			2.03	2.03	2.03	2.03
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-25 - 18	-25 - 18	-25 - 18	-25 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 6.0	3C x 6.0	3C x 6.0	3C x 6.0
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40	40
Piping Length Total		Min - Max	m	5-85	5-85	5-85	5-85
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

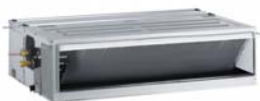
4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)



STANDARD INVERTER (R32)

HIGH STATIC PRESSURE
- UM36R / UM42R / UM48R / UM60R



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UU36WR UU42WR
UU49WR
UU61WR



COMMERCIAL

INDOOR				UM36R.N20	UM42R.N20	UM48R.N30	UM60R.N30
Capacity	Cooling	Min / Nom / Max	kW	4.5 / 9.5 / 13.0	5.1 / 12.0 / 14.5	5.5 / 13.4 / 16.0	5.9 / 15.0 / 16.3
	Heating	Min / Nom / Max	kW	5.0 / 10.8 / 13.7	5.5 / 13.5 / 16.5	6.1 / 15.5 / 18.0	6.8 / 16.8 / 18.7
Low Temperature Capacity	Heating -7°C	Max	kW	10.0	12.5	14.8	15.2
	Cooling	Nom	kW	2.43	3.45	4.00	4.75
Power Input (Set)	Heating	Nom	kW	2.85	3.65	4.40	4.80
		Min / Max (ESP 5.0mmAq)	W	120 / 210	140 / 260	100 / 220	270 / 290
Power Input (Indoor)		Min / Max (ESP 15.0mmAq)	W	200 / 360	230 / 380	220 / 340	300 / 430
	Running Current	Cooling / Heating	Nom	A	3.5 / 4.1	5.0 / 5.3	5.8 / 6.4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.91	3.48	3.35	3.16
COP				3.79	3.70	3.52	3.50
SEER				5.60	5.50	5.51	5.45
SCOP				4.00	4.00	3.96	3.92
Pdesign (@-10°C)			kW	8.05	8.05	9.3	9.3
Seasonal Energy Label	Cooling / Heating			A+ / A+ (A++ to E Scale)	A / A+	-	-
Annual Energy Consumption	Cooling / Heating		kWh	594 / 2,800	764 / 2,800	1,459 / 3,288	1,651 / 3,321
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
	Air Flow Rate	High / Medium / Low	m ³ /min	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	36 / 34 / 33	38 / 36 / 34	40 / 38 / 36	42 / 40 / 38
Sound Power	Cooling	Max	dB(A)	60	62	65	66
Dehumidification Rate			l/h	2.6	3.6	4.5	5.0
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Net Weight	Body		kg	38.5	38.5	43.5	43.5
External Static Pressure		Min - Max	mmAq (Pa)	4-15 (39-147)	5-15 (49-147)	5-15 (49-147)	5-15 (49-147)

OUTDOOR				UU37WR.U30	UU43WR.U30	UU49WR.U30	UU61WR.U30
Compressor	Type			R-Scroll	R-Scroll	R-Scroll	R-Scroll
Airflow Rate	Nom		m ³ /min	110	110	110	110
Sound Pressure	Cooling	Nom	dB(A)	52	52	52	52
	Heating	Nom	dB(A)	54	54	54	54
Sound Power	Cooling	Max	dB(A)	66	67	68	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	87.5	87.5	87.5	87.5
Refrigerant	Type			R32	R32	R32	R32
	Charge		g	3,000	3,000	3,000	3,000
	Additional Charge (after 7.5m)		g/m	40	40	40	40
	GWP			675	675	675	675
	t-CO ₂ eq			2.03	2.03	2.03	2.03
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-25 - 18	-25 - 18	-25 - 18	-25 - 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm ²	5C x 2.5	3C x 6.0	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	40	20	20
Piping Length Total		Min - Max	m	5-85	5-85	5-85	5-85
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)

SINGLE SPLIT SPECIFICATION

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

LOW STATIC PRESSURE - CL09R / CL12R / CL18R / CL24R



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UU09WR UU12WR



UU18WR



UU24WR



INDOOR				CL09R N20	CL12R N20	CL18R N20	CL24R N30
Capacity	Cooling	Min / Nom / Max	kW	1.1 / 2.5 / 3.2	1.4 / 3.4 / 3.9	2.0 / 5.0 / 6.0	4.0 / 7.1 / 7.7
	Heating	Min / Nom / Max	kW	1.2 / 3.2 / 3.6	1.6 / 4.0 / 4.7	2.2 / 6.0 / 7.2	2.0 / 7.5 / 8.2
Low Temperature Capacity	Heating -7°C	Max	kW	3.5	4.4	6.7	8.2
			kW	0.64	0.99	1.52	2.15
Power Input (Set)	Heating	Nom	kW	0.74	1.00	1.76	2.06
			W	80 / 95	80 / 95	95 / 120	90 / 150
Power Input (Indoor)	Min / Max (ESP 2.5mmAq)	W	80 / 100	80 / 100	100 / 140	110 / 160	
			Min / Max (ESP 5.0mmAq)	W	80 / 100	80 / 100	100 / 140
Running Current	Cooling / Heating	Nom	A	2.8 / 3.2	4.2 / 4.6	6.8 / 7.8	9.5 / 9.1
Power Supply	Ø / V / Hz			1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.90	3.42	3.30	3.30
COP				4.30	4.00	3.41	3.65
SEER				6.28	6.28	6.30	6.60
SCOP				4.00	4.00	3.95	4.20
Pdesign (@-10°C)			kW	3.0	3.0	4.1	5.4
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A+	A++ / A+	A++ / A	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	139 / 1,050	189 / 1,050	278 / 1,453	377 / 1,798
	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain	O.D. / I.D.	mm	32.0 / 25.0	32.0 / 25.0	32.0 / 25.0	32.0 / 25.0
Air Flow Rate	High / Medium / Low		m ³ /min	10.0 / 8.5 / 7.0	10.0 / 8.5 / 7.0	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
Sound Pressure	Cooling	High / Medium / Low	dBA	31 / 28 / 27	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32
Sound Power	Cooling	Max	dBA	55	55	54	58
Dehumidification Rate			l/h	0.5	1.1	1.6	2.6
Dimensions	Body	W x H x D	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700
Net Weight	Body		kg	24.0	24.0	24.0	27.0
External Static Pressure		Min - Max	mmAq (Pa)	0-5 (0-49)	0-5 (0-49)	0-5 (0-49)	0-5 (0-49)

OUTDOOR				UU09WR ULO	UU12WR ULO	UU18WR U20	UU24WR U40
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom	m ³ /min		32	32	50	58
			dBA	47	49	47	48
Sound Pressure	Heating	Nom	dBA	50	52	52	52
			Max	dBA	65	65	63
Sound Power	Cooling	Max	dBA	65	65	63	67
Dimensions	W x H x D		mm	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Net Weight			kg	33.8	33.8	44.8	56.1
Refrigerant	Type			R32	R32	R32	R32
	Charge		g	900	900	1,100	1,600
	Additional Charge (after 7.5m)		g/m	20	20	20	35
	GWP			675	675	675	675
	t-CO ₂ eq			0.61	0.61	0.74	1.08
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18	-18 - 18
Power Supply	Ø / V / Hz			1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable	No. x mm ²			3C x 2.5	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable	No. x mm ²			4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15	20	25
Piping Length Total	Min - Max		m	5-20	5-20	5-30	5-50
Piping Elevation Difference	IDU - ODU	Max	m	10	10	30	30
Piping Connection	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)

SINGLE SPLIT SPECIFICATION

CEILING CONCEALED DUCT

STANDARD INVERTER (R410A)

MID / HIGH STATIC PRESSURE
- CM18 / CM24 / UM30



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UU18W

UU24W
UU30W



COMMERCIAL

INDOOR				CM18 N14	CM24 N14	UM30 N14
Capacity	Cooling	Min / Nom / Max	kW	1.8 / 5.0 / 6.0	2.8 / 6.8 / 7.5	3.2 / 7.8 / 8.8
	Heating	Min / Nom / Max	kW	2.2 / 6.0 / 7.2	3.2 / 7.5 / 8.3	3.6 / 9.0 / 9.9
Low Temperature Capacity	Heating -7°C	Max	kW	5.4	7.2	8.1
	Cooling	Nom	kW	1.46	2.07	2.41
Power Input (Set)	Heating	Nom	kW	1.66	2.34	2.62
	Power Input (Indoor)	Min / Max (Nom ESP)	W	90 / 160	100 / 180	160 / 240
Running Current	Cooling / Heating	Nom	A	6.5 / 7.6	9.1 / 10.3	10.1 / 10.7
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.41	3.11	3.51
COP				3.61	3.21	3.70
SEER				6.10	6.10	6.10
SCOP				4.25	3.90	4.00
Pdesign (@ -10°C)			kW	4.1	6.0	6.5
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A+	A++ / A	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	287 / 1,383	390 / 2,154	448 / 2,275
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5	22.0 / 20.0 / 18.0
Sound Pressure	Cooling	High / Medium / Low	dBA	34 / 32 / 30	35 / 34 / 32	37 / 35 / 34
Sound Power	Cooling	Max	dBA	59	60	62
Dehumidification Rate			l/h	2.0	2.5	2.8
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
Net Weight	Body		kg	23.8	24.2	25.3
External Static Pressure		Min - Max	mmAq (Pa)	2.5-15 (25-147)	2.5-15 (25-147)	2.5-15 (25-147)

OUTDOOR				UU18W UE4	UU24W U44	UU30W U44
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	50	58	58
Sound Pressure	Cooling	Nom	dBA	47	48	48
	Heating	Nom	dBA	52	52	52
Sound Power	Cooling	Max	dBA	63	67	68
Dimensions	W x H x D		mm	870 x 655 x 320	950 x 834 x 330	950 x 834 x 330
Net Weight			kg	44.6	56.1	58.0
Refrigerant	Type		-	R410A	R410A	R410A
	Charge		g	1,300	2,000	2,000
	Additional Charge		g/m	20	40	40
	GWEP		-	2087.5	2087.5	2087.5
	TCO2eq		-	2.7	4.2	4.2
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm²	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	25	25
Piping Length Total		Min - Max	m	5 - 30	5 - 50	5 - 50
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

STANDARD INVERTER (R410A)

MID / HIGH STATIC PRESSURE

- UM36 / UM42 / UM48 / UM60



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UU36W

UU42W

UU48W

UU60W



INDOOR				UM36 N24	UM42 N24	UM48 N34	UM60 N34	
Capacity	Cooling	Min / Nom / Max	kW	4.0 / 10.0 / 11.0	5.0 / 12.1 / 13.2	5.6 / 14.0 / 15.4	5.9 / 14.8 / 16.3	
	Heating	Min / Nom / Max	kW	4.5 / 11.2 / 12.3	5.6 / 14.0 / 15.0	6.6 / 15.8 / 18.2	6.8 / 16.8 / 18.7	
Low Temperature Capacity	Heating -7°C		Max	10.0	12.5	14.8	15.2	
	Cooling	Nom	kW	3.12	3.76	4.10	4.53	
Power Input (Set)	Heating		Nom	3.19	3.86	4.39	4.79	
	Min / Max (Nom ESP)		W	200 / 360	230 / 380	220 / 340	300 / 430	
Running Current	Cooling / Heating	Nom	A	13.6 / 13.9	16.6 / 17.2	17.3 / 18.5	19.1 / 20.2	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
EER				3.21	3.22	3.41	3.31	
COP				3.51	3.63	3.60	3.51	
SEER				5.11	5.10	5.20	5.10	
SCOP				3.81	3.58	3.65	3.65	
Pdesign (@ -10°C)			kW	7.8	11.5	12.0	12.0	
Seasonal Energy Label	Cooling / Heating			A / A (A++ to E Scale)	-	-	-	
Annual Energy Consumption	Cooling / Heating		kWh	685 / 2,866	-	-	-	
	Liquid			mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25	
Air Flow Rate			High / Medium / Low	m³/min	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
Sound Pressure	Cooling	High / Medium / Low	dBA	36 / 34 / 33	38 / 36 / 34	40 / 38 / 36	42 / 40 / 38	
Sound Power	Cooling	Max	dBA	60	62	65	66	
Dehumidification Rate			l/h	3.2	3.6	4.5	5.0	
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700	
Net Weight	Body			kg	35.0	37.0	42.5	42.5
External Static Pressure	Min ~ Max		mmAq (Pa)	4-15 (39-147)	5-15 (49-147)	5-15 (49-147)	5-15 (49-147)	

OUTDOOR				UU36W U02	UU42W U32	UU48W U32	UU60W U32
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom			90	110	110	110
Sound Pressure	Cooling	Nom		dBA	53	52	52
	Heating	Nom		dBA	54	54	54
Sound Power	Cooling	Max		dBA	66	67	71
Dimensions	W x H x D		mm	950 x 1,170 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	81.0	92.0	92.0	92.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Charge		g	2,800	3,400	3,400	3,400
	Additional Charge		g/m	40	40	40	40
	GWP		-	2087.5	2087.5	2087.5	2087.5
	TCO2eq		-	5.8	7.1	7.1	7.1
Operation Range (Outdoor)	Cooling	Min ~ Max	°C DB	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating	Min ~ Max	°C WB	-18 ~ 18	-18 ~ 18	-18 ~ 18	-18 ~ 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm²	3C x 5.0	3C x 5.0	3C x 5.0	3C x 5.0
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40	40
Piping Length Total	Min ~ Max		m	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

SINGLE SPLIT SPECIFICATION

CEILING CONCEALED DUCT

STANDARD INVERTER (R410A)

MID / HIGH STATIC PRESSURE
- UM36 / UM42 / UM48 / UM60



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UU36W UU42W
 UU48W
 UU60W



COMMERCIAL

INDOOR				UM36 N24	UM42 N24	UM48 N34	UM60 N34
Capacity	Cooling	Min / Nom / Max	kW	4.0 / 10.0 / 11.0	5.0 / 12.5 / 13.8	5.6 / 14.0 / 15.4	5.9 / 14.8 / 16.3
	Heating	Min / Nom / Max	kW	4.5 / 11.2 / 12.3	5.6 / 14.0 / 15.4	6.6 / 16.4 / 18.2	6.8 / 16.8 / 18.7
Low Temperature Capacity	Heating -7°C	Max	kW	10.0	12.5	14.8	15.2
	Cooling	Nom	kW	3.12	3.76	4.10	4.53
Power Input (Set)	Heating	Nom	kW	3.19	3.86	4.39	4.79
	Power Input (Indoor)	Min / Max (Nom ESP)	W	200 / 360	230 / 380	220 / 340	300 / 430
Running Current	Cooling / Heating	Nom	A	4.7 / 4.9		6.0 / 6.5	6.6 / 7.1
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.21	3.22	3.41	3.31
COP				3.51	3.63	3.60	3.51
SEER				5.11	5.10	5.20	5.10
SCOP				3.81	3.58	3.65	3.65
Pdesign (@ -10°C)			kW	7.8	11.5	12.0	12.0
Seasonal Energy Label	Cooling / Heating			A / A (A++ to E Scale)			
Annual Energy Consumption	Cooling / Heating		kWh	685 / 2,866	-	-	-
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	36 / 34 / 33	38 / 36 / 34	40 / 38 / 36	42 / 40 / 38
Sound Power	Cooling	Max	dB(A)	58	62	65	66
Dehumidification Rate			l/h	2.6	3.6	4.5	5.0
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Net Weight	Body		kg	35.0	37.0	42.5	42.5
External Static Pressure		Min - Max	mmAq (Pa)	4-15 (39-147)	5-15 (49-147)	5-15 (49-147)	5-15 (49-147)

OUTDOOR				UU37W U02	UU43W U32	UU49W U32	UU61W U32
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	90	110	110	110
Sound Pressure	Cooling	Nom	dB(A)	53	52	52	52
	Heating	Nom	dB(A)	54	54	54	54
Sound Power	Cooling	Max	dB(A)	66	67	68	71
Dimensions	W x H x D		mm	950 x 1,170 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	85.0	96.0	96.0	96.0
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge		g	2,800	3,400	3,400	3,400
	Additional Charge		g/m	40	40	40	40
	GWP			2087.5	2087.5	2087.5	2087.5
	TCO2eq			5.8	7.1	7.1	7.1
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	5C x 2.5	5C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20	20
Piping Length Total		Min - Max	m	5 - 50	5 - 75	5 - 75	5 - 75
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

STANDARD INVERTER (R410A)

HIGH STATIC PRESSURE - UB70 / UB85



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UU70W

UU85W



INDOOR				UB70 N94	UB85 N94
Capacity	Cooling	Min / Nom / Max	kW	7.6 / 19.0 / 20.9	9.2 / 23.0 / 25.3
	Heating	Min / Nom / Max	kW	9.0 / 22.4 / 24.6	10.8 / 27.0 / 29.7
Low Temperature Capacity	Heating -7°C		Max	18.0	24.0
	Cooling	Nom	kW	6.69	8.19
Power Input (Set)	Heating		Nom	6.4	8.31
	Cooling	Min / Max (Nom ESP)	W	550 / 760	610 / 920
Power Input (Indoor)	Running Current	Cooling / Heating	Nom	A	13.5 / 13.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				2.84	2.81
COP				3.50	3.25
SEER				4.60	4.80
SCOP				3.53	3.51
Pdesign (@ -10°C)			kW	13.4	18.5
Seasonal Energy Label	Cooling / Heating			-	-
Annual Energy Consumption	Cooling / Heating		kWh	-	-
	Liquid		mm (inch)	Ø9.52 (3/8)	Ø12.7 (1/2)
Piping Connection	Gas		mm (inch)	Ø25.4 (1/1)	Ø22.2 (7/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	70.0 / 65.0 / 60.0	80.0 / 72.0 / 64.0
Sound Pressure	Cooling	High / Medium / Low	dBA	43 / 41 / 40	43 / 41 / 40
Sound Power	Cooling	Max	dBA	61	61
Dehumidification Rate			l/h	1.81 (4.2)	5.14 (11.9)
Dimensions	Body	W x H x D	mm	1,563 x 458 x 791	1,563 x 458 x 791
Net Weight	Body		kg	90.0	90.0
External Static Pressure		Min ~ Max	mmAq (Pa)	6 ~ 25 (60~250)	6 ~ 25 (60~250)

OUTDOOR				UU70W U34	UU85W U74
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll
Airflow Rate		Nom	m³/min	110	190
Sound Pressure	Cooling	Nom	dBA	55	59
	Heating	Nom	dBA	58	60
Sound Power	Cooling	Max	dBA	73	74
Dimensions	W x H x D		mm	950 x 1,380 x 330	1,090 x 1,625 x 380
Net Weight			kg	110	144.0
Refrigerant	Type			R410A	R410A
	Charge		g	5,200	5,500
	Additional Charge		g/m	70	70
	GWP			2087.5	2087.5
	TCO2eq			10.9	11.5
Operation Range (Outdoor)	Cooling	Min ~ Max	°C DB	-20 ~ 48	-20 ~ 48
	Heating	Min ~ Max	°C WB	-18 ~ 18	-18 ~ 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	3C x 2.5	5C x 2.5
Transmission Cable			No. x mm²	4C x 1.0	4C x 1.0
Circuit Breaker			A	30	30
Piping Length Total		Min ~ Max	m	75	75
Piping Elevation Difference	IDU - ODU	Max	m	30	30
Piping Connection	Liquid		mm (inch)	Ø9.53 (3/8)	Ø12.7 (1.2)
	Gas		mm (inch)	Ø25.4 (1/1)	Ø22.2 (7/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

SINGLE SPLIT SPECIFICATION

CEILING CONCEALED DUCT

STANDARD INVERTER (R410A)

LOW STATIC PRESSURE
- CB09L / CB12L

UU09W
UU12W



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COMMERCIAL

INDOOR				CB09L N12	CB12L N22
Capacity	Cooling	Min / Nom / Max	kW	1.1 / 2.5 / 3.2	1.4 / 3.4 / 3.7
	Heating	Min / Nom / Max	kW	1.2 / 3.2 / 3.6	1.6 / 4.0 / 4.5
Low Temperature Capacity	Heating -7°C	Max	kW	3.5	4.4
	Cooling	Nom	kW	0.72	1.00
Power Input (Set)	Heating	Nom	kW	0.91	1.05
	Power Input (Indoor)	Min / Max (Nom ESP)	W	40 / 60	80 / 100
Running Current	Cooling / Heating	Nom	A	3.1 / 4.0	4.3 / 4.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.48	3.41
COP				3.51	3.81
SEER				5.11	5.61
SCOP				3.81	3.81
Pdesign (@ -10°C)			kW	2.8	3.0
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A / A	A+ / A
Annual Energy Consumption	Cooling / Heating		kWh	172 / 1,032	213 / 1,105
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
Piping Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	9.0 / 7.0 / 5.5	10.0 / 8.5 / 7.0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	30 / 26 / 23	31 / 28 / 27
Sound Power	Cooling	Max	dB(A)	49	52
Dehumidification Rate			l/h	1.1	1.2
Dimensions	Body	W x H x D	mm	700 x 190 x 700	900 x 190 x 700
Net Weight	Body		kg	17.5	23.0
External Static Pressure		Min - Max	mmAq (Pa)	0-5 (0-49)	0-5 (0-49)

OUTDOOR				UU09W ULD	UU12W ULD
Compressor	Type			Rotary	Rotary
Airflow Rate		Nom	m³/min	32	32
Sound Pressure	Cooling	Nom	dB(A)	47	47
	Heating	Nom	dB(A)	48	48
Sound Power	Cooling	Max	dB(A)	56	57
Dimensions	W x H x D		mm	770 x 540 x 245	770 x 540 x 245
Net Weight			kg	32.0	32.0
Refrigerant	Type			R410A	R410A
	Charge		g	1,000	1,000
	Additional Charge		g/m	20	20
	GWP			2,087.5	2,087.5
	TCO2eq			2.1	2.1
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 43	-10 - 43
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No.xmm²	3C x 2.5	3C x 2.5
Transmission Cable			No.xmm²	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15
Piping Length Total		Min - Max	m	5-15	5-15
Piping Elevation Difference	IDU - ODU	Max	m	10	10
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)

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2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

STANDARD INVERTER (R410A)

LOW STATIC PRESSURE - CB18L / CB24L



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UU18W

UU24W



INDOOR				CB18L N22	CB24L N32
Capacity	Cooling	Min / Nom / Max	kW	2.0 / 5.0 / 6.0	4.0 / 7.1 / 7.7
	Heating	Min / Nom / Max	kW	2.2 / 6.0 / 7.2	2.0 / 7.5 / 8.3
Low Temperature Capacity	Heating -7°C	Max	kW	6.7	8.2
Power Input (Set)	Cooling	Nom	kW	1.55	2.36
	Heating	Nom	kW	1.50	2.05
Power Input (Indoor)		Min / Max (Nom ESP)	W	100 / 140	110 / 160
Running Current	Cooling / Heating	Nom	A	6.8 / 8.4	10.4 / 9.0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.11	3.01
COP				3.41	3.61
SEER				6.10	5.60
SCOP				3.95	3.90
Pdesign (@ -10°C)			kW	4.0	5.8
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A	A+ / A
Annual Energy Consumption	Cooling / Heating		kWh	287 / 1,418	444 / 2,082
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	36 / 34 / 31	39 / 35 / 32
Sound Power	Cooling	Max	dB(A)	54	58
Dehumidification Rate			l/h	1.7	2.2
Dimensions	Body	W x H x D	mm	900 x 190 x 700	1,100 x 190 x 700
Net Weight	Body		kg	23.0	27.0
External Static Pressure		Min ~ Max	mmAq (Pa)	0-5 (0-49)	0-5 (0-49)

OUTDOOR				UU18W UE4	UU24W U44
Compressor	Type			Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	50	58
Sound Pressure	Cooling	Nom	dB(A)	47	48
	Heating	Nom	dB(A)	52	52
Sound Power	Cooling	Max	dB(A)	63	67
Dimensions	W x H x D		mm	870 x 655 x 320	950 x 834 x 330
Net Weight			kg	44.8	56.1
Refrigerant	Type			R410A	R410A
	Charge		g	1,300	2,000
	Additional Charge		g/m	20	40
	GWP			2087.5	2087.5
	TCO2eq			2.7	4.2
Operation Range (Outdoor)	Cooling	Min ~ Max	°C DB	-15 ~ 48	-15 ~ 48
	Heating	Min ~ Max	°C WB	-18 ~ 18	-18 ~ 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No.xmm²	3C x 2.5	3C x 2.5
Transmission Cable			No.xmm²	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	25
Piping Length Total		Min ~ Max	m	5 - 30	5 - 50
Piping Elevation Difference	IDU - ODU	Max	m	30	30
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)

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2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

CEILING & FLOOR CONVERTIBLE

CEILING SUSPENDED UNIT

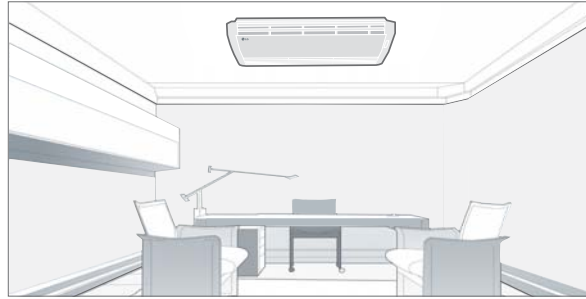
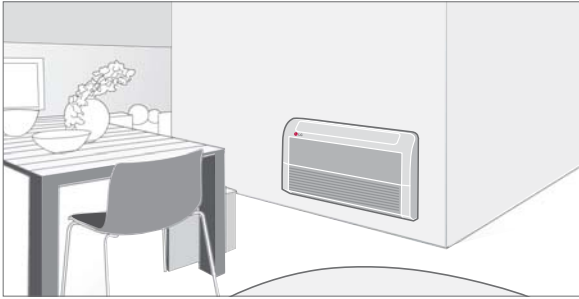


SINGLE SPLIT KEY FEATURES

CEILING & FLOOR CONVERTIBLE

Flexible Installation

The ceiling and floor models can be installed either on the ceiling or on the floor, thus saving on space while being installed in commercial premises.

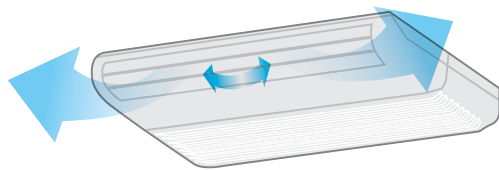


* Ceiling & Floor : CV09 NE2 / CV12 NE2

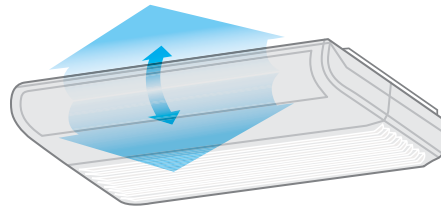
Airflow Direction Control

Vertical airflow direction can be adjusted using the remote controller, while horizontal airflow direction can be adjusted manually.

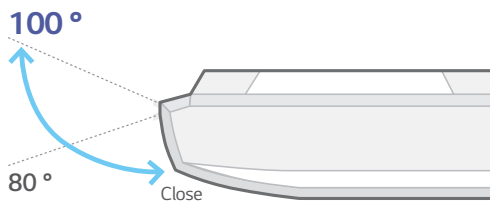
Horizontal



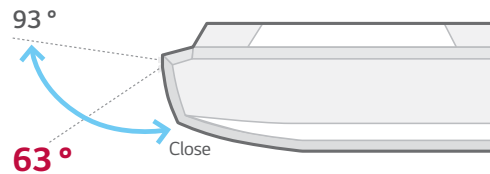
Vertical



Cooling



Heating



CEILING SUSPENDED UNIT

COMMERCIAL

Differentiated Design

With its stunning V-shaped design and black vane, LG's new ceiling-suspended air conditioner portrays elegance and sophistication appropriate for any space. This attractive aesthetics of the air conditioner qualified it for the iF Design Award.



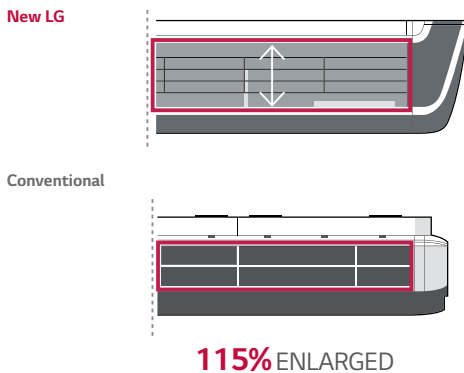
Powerful Cooling & Heating

The new LG Ceiling Suspended Unit is remarkably efficient for using in large areas due to its powerful cooling and heating operation. The powerful air speed and high volume features enhance the flow of air to reach up to 15m away from the air conditioner.

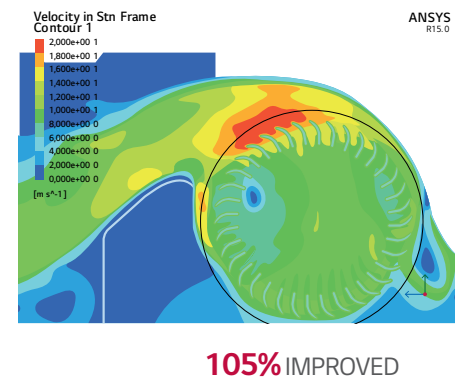


With enlarged outlet space, optimized the Air flow Path and improved Heat Exchanger's performance

Outlet Space



Optimized the Air flow Path

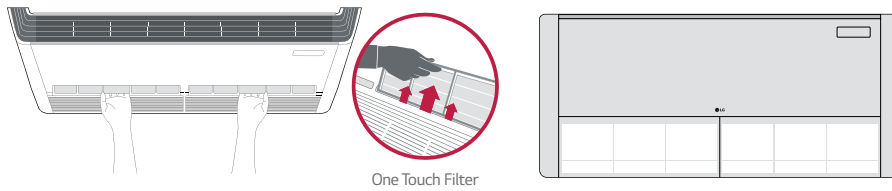


SINGLE SPLIT KEY FEATURES

CEILING SUSPENDED UNIT

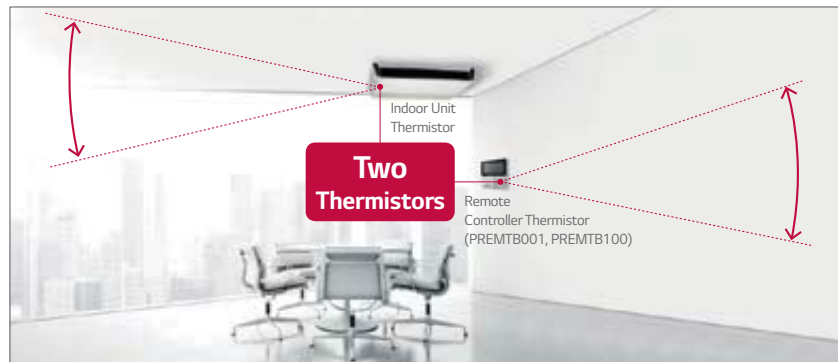
One Touch & 2 Piece Filter

Easy IN/OUT filter structure in addition to an easy-to-use two-piece filter, which slides out for easy cleaning and maintenance.



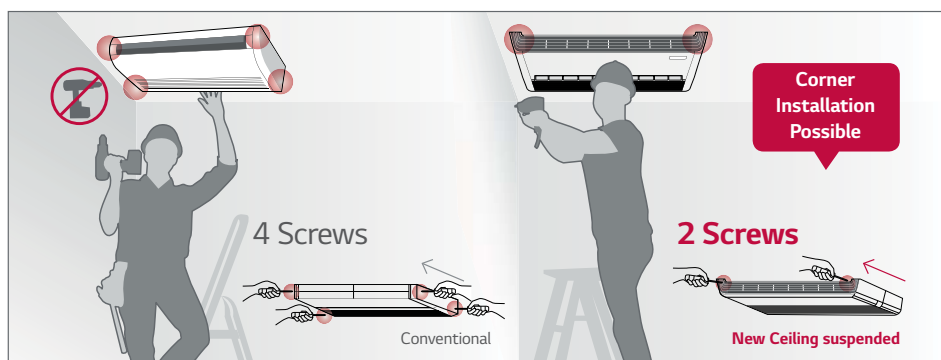
Two Thermistors Control

Users can purchase an optional control panel that includes a second thermistor that allows checking of temperature from multiple locations.



Easy installation

Installation speed and ease is improved by reducing the total number of screws used and placing the screws on the easily accessible front panel.



SINGLE SPLIT SPECIFICATION

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UV18R / UV24R



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

UU18WR



UU24WR



COMMERCIAL

INDOOR				UV18R N10	UV24R N10	
Capacity	Cooling	Min / Nom / Max	kW	1.9 / 5.0 / 6.0	2.8 / 6.8 / 7.5	
	Heating	Min / Nom / Max	kW	2.0 / 5.2 / 6.3	3.0 / 7.5 / 8.3	
Low Temperature Capacity	Heating -7°C		Max	4.6	6.9	
	Cooling	Nom	kW	1.38	1.97	
Power Input (Set)	Heating		Nom	1.52	2.20	
	Min / Max	W		20 / 25	40 / 60	
Running Current	Cooling/Heating	Nom	A	6.1 / 6.7	8.7 / 9.8	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
EER				3.62	3.45	
COP				3.42	3.40	
SEER				6.50	7.10	
SCOP				4.30	4.30	
Pdesign (@-10°C)				kW	4.1	5.4
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A+	A++ / A+	
Annual Energy Consumption	Cooling / Heating		kWh	269 / 1,335	335 / 1,758	
	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	
Piping Connection	Gas		mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	
	Drain	O.D. / I.D.	mm	21.5 / 16.0	21.5 / 16.0	
Air Flow Rate			m ³ /min	13.0 / 12.0 / 11.0	16.0 / 15.0 / 14.0	
Sound Pressure	Cooling	High / Medium / Low	dB(A)	42 / 40 / 39	44 / 43 / 41	
Sound Power	Cooling	Max	dB(A)	55	61	
Dehumidification Rate				l/h	3.0	
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,200 x 235 x 690	
Net Weight	Body		kg	27.3	28.0	

OUTDOOR				UU18WR U20	UU24WR U40	
Compressor	Type			Twin Rotary	Twin Rotary	
Airflow Rate		Nom	m ³ /min	50	58	
Sound Pressure	Cooling	Nom	dB(A)	47	48	
	Heating	Nom	dB(A)	52	52	
Sound Power	Cooling	Max	dB(A)	63	67	
Dimensions	W x H x D			870 x 650 x 330	950 x 834 x 330	
Net Weight				44.8	56.1	
Refrigerant	Type			R32	R32	
	Charge			g	1,100	1,600
	Additional Charge (after 10m)			g/m	20	35
	GWP				675	675
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	
Power Supply				Ø / V / Hz	1 / 220-240 / 50	
Power Supply Cable				No. x mm ²	3C x 2.5	
Transmission Cable				No. x mm ²	4C x 0.75	
Circuit Breaker				A	25	
Piping Length Total	Min - Max		m	5 - 30	5 - 50	
Piping Elevation Difference	IDU - ODU	Max	m	30	30	
Piping Connection	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	
	Gas		mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)

SINGLE SPLIT SPECIFICATION

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UV36 / UV42R / UV48R / UV60R



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

UU36WR UU42WR
UU48WR
UU60WR



INDOOR				UV36R.N20	UV42R.N20	UV48R.N20	UV60R.N20
Capacity	Cooling	Min / Nom / Max	kW	4.5 / 9.5 / 13.0	5.0 / 12.0 / 14.5	5.5 / 13.4 / 16.0	5.7 / 14.4 / 15.7
	Heating	Min / Nom / Max	kW	5.0 / 10.8 / 13.7	5.5 / 13.5 / 16.5	6.1 / 15.5 / 18.0	6.8 / 16.8 / 18.7
Low Temperature Capacity	Heating -7°C		Max	9.4	12.5	14.3	15.2
	Power Input (Set)	Cooling	Nom	2.30	3.65	4.15	4.90
Heating		Nom	kW	2.75	4.00	4.90	5.55
Power Input (Indoor)			W	30 / 180	30 / 180	30 / 180	30 / 180
Running Current	Cooling/Heating	Nom	A	10.0 / 12.0	16.9 / 16.0	18.0 / 21.3	21.3 / 24.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				4.13	3.28	3.23	2.94
COP				3.93	3.37	3.16	3.03
SEER				5.62	5.5	5.51	5.45
SCOP				4.04	4.0	3.96	3.92
Pdesign (@-10°C)			kW	8.05	8.05	9.3	9.3
Seasonal Energy Label	Cooling / Heating			A+ / A+ (A++ to E Scale)		-	-
Annual Energy Consumption	Cooling / Heating			594 / 2,800		1,459 / 3,288	
	Liquid			Ø 9.52 (3/8)		Ø 9.52 (3/8)	
Piping Connection	Gas			Ø 15.88 (5/8)		Ø 15.88 (5/8)	
	Drain	O.D. / I.D.	mm	21.5 / 16.0		21.5 / 16.0	
	Air Flow Rate	High / Medium / Low	m ³ /min	28.0 / 24.0 / 20.0		30.0 / 25.0 / 20.0	
Sound Pressure	Cooling	High / Medium / Low	dBA	46 / 43 / 40		48 / 44 / 40	
Sound Power	Cooling	Max	dBA	63		63	
Dehumidification Rate			l/h	3.8		5.8	
Dimensions	Body	W x H x D	mm	1,600 x 690 x 235		1,600 x 690 x 235	
Net Weight	Body			36.5		36.5	

OUTDOOR				UU36WR.U30	UU42WR.U30	UU48WR.U30	UU60WR.U30
Compressor	Type			R-Scroll	R-Scroll	R-Scroll	R-Scroll
Airflow Rate	Nom			110	110	110	110
Sound Pressure	Cooling			52	52	52	52
	Heating			54	54	54	54
Sound Power	Cooling			66	67	68	68
Dimensions	W x H x D			950 x 1,380 x 330		950 x 1,380 x 330	
Net Weight			kg	87.5		87.5	
Refrigerant	Type			R32	R32	R32	R32
	Charge			3,000	3,000	3,000	3,000
	Additional Charge (after 7.5m)			40	40	40	40
	GW/P			675	675	675	675
Operation Range (Outdoor)	t-CO ₂ eq			2.03	2.03	2.03	2.03
	Cooling	Min - Max	°C DB	-15 - 48		-15 - 48	
Power Supply	Heating	Min - Max	°C WB	-25 - 18		-25 - 18	
			Ø / V / Hz	3 / 380-415 / 50		1 / 220-240 / 50	
Power Supply Cable			No. x mm ²	5C x 2.5		3C x 6.0	
Transmission Cable			No. x mm ²	4C x 0.75		4C x 0.75	
Circuit Breaker			A	20		40	
Piping Length Total			m	5-85		5-85	
Piping Elevation Difference	IDU - ODU	Min - Max	m	30		30	
	Liquid			Ø 9.52 (3/8)		Ø 9.52 (3/8)	
Piping Connection	Gas			Ø 15.88 (5/8)		Ø 15.88 (5/8)	

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)



STANDARD INVERTER (R32)

UV36 / UV42R / UV48R / UV60R



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com



UU36WR UU42WR
UU49WR
UU61WR



COMMERCIAL

INDOOR				UV36 NK2	UV42R.N20	UV48R.N20	UV60R.N20	
Capacity	Cooling	Min / Nom / Max	kW	4.5 / 9.5 / 13.0	5.0 / 12.0 / 14.5	5.5 / 13.4 / 16.0	5.7 / 14.4 / 15.7	
	Heating	Min / Nom / Max	kW	5.0 / 10.8 / 13.7	5.5 / 13.5 / 16.5	6.1 / 15.5 / 18.0	6.8 / 16.8 / 18.7	
Low Temperature Capacity	Heating -7°C		Max	9.4	12.5	14.3	15.2	
	Cooling	Nom	kW	2.30	3.65	4.15	4.90	
Power Input (Set)	Heating		Nom	2.75	4.00	4.90	5.55	
	Power Input (Indoor)		Min / Max	W	30 / 180	30 / 180	30 / 180	30 / 180
Running Current	Cooling/Heating	Nom	A	3.3 / 4.0	5.6 / 5.3	6.0 / 7.1	7.1 / 8.0	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
EER				4.13	3.21	3.11	2.94	
COP				3.93	3.37	3.41	3.03	
SEER				5.60	5.5	-	5.45	
SCOP				4.00	4.0	-	3.92	
Pdesign (@-10°C)				kW	8.05	8.05	-	9.3
Seasonal Energy Label	Cooling / Heating			A+ / A+ (A++ to E Scale)	A / A+	-	-	
Annual Energy Consumption	Cooling / Heating		kWh	594 / 2,800	764 / 2,800	1,459 / 3,288	1,651 / 3,321	
	Liquid			mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas			mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	
	Drain	O.D. / I.D.	mm	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0	
Air Flow Rate			High / Medium / Low	m ³ /min	28.0 / 24.0 / 20.0	28.0 / 24.0 / 20.0	30.0 / 25.0 / 20.0	
Sound Pressure	Cooling	High / Medium / Low	dB(A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40	
Sound Power	Cooling	Max	dB(A)	63	63	63	63	
Dehumidification Rate				l/h	3.8	5.8	6.3	
Dimensions	Body	W x H x D	mm	1,600 x 690 x 235	1,600 x 690 x 235	1,600 x 690 x 235	1,600 x 690 x 235	
Net Weight	Body			kg	36.5	36.5	36.5	

OUTDOOR				UU37WR.U30	UU43WR.U30	UU49WR.U30	UU61WR.U30	
Compressor	Type			R-Scroll	R-Scroll	R-Scroll	R-Scroll	
Airflow Rate	Nom		m ³ /min	110	110	110	110	
Sound Pressure	Cooling	Nom	dB(A)	52	52	52	52	
	Heating	Nom	dB(A)	54	54	54	54	
Sound Power	Cooling	Max	dB(A)	66	67	68	68	
	Dimensions			W x H x D	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight				kg	87.5	87.5	87.5	
Refrigerant	Type			R32	R32	R32	R32	
	Charge			g	3,000	3,000	3,000	3,000
	Additional Charge (after 7.5m)			g/m	40	40	40	40
	GWP				675	675	675	675
	t-CO ₂ eq				2.03	2.03	2.03	2.03
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48	-15 - 48	
	Heating	Min - Max	°C WB	-25 - 18	-25 - 18	-25 - 18	-25 - 18	
Power Supply				Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	
Power Supply Cable				No. x mm ²	5C x 2.5	3C x 6.0	5C x 2.5	5C x 2.5
Transmission Cable				No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker				A	20	40	20	20
Piping Length Total	Min - Max		m	5-85	5-85	5-85	5-85	
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30	30	
Piping Connection	Liquid			mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas			mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R32)

SINGLE SPLIT SPECIFICATION

CEILING & FLOOR CONVERTIBLE

STANDARD INVERTER (R410A)

CV09
CV12



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com

UU09W / UU12W



INDOOR				CV09 NE2	CV12 NE2
Capacity	Cooling	Min / Nom / Max	kW	1.0 / 2.5 / 2.8	1.3 / 3.3 / 3.6
	Heating	Min / Nom / Max	kW	1.2 / 3.0 / 3.3	1.5 / 3.8 / 4.2
Low Temperature Capacity	Heating -7°C	Max	kW	3.1	3.4
	Cooling	Nom	kW	0.75	1.09
Power Input (Set)	Heating	Nom	kW	0.83	1.18
	Cooling	Nom	W	30	40
Power Input (Indoor)		Nom	W	30	40
Running Current	Cooling / Heating	Nom	A	3.26 / 3.61	4.74 / 5.13
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.33	3.03
COP				3.61	3.22
SEER				5.11	5.31
SCOP				3.81	3.81
Pdesign (@ -10°C)			kW	3.0	3.0
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A / A	A / A
Annual Energy Consumption	Cooling / Heating		kWh	172 / 1,102	218 / 1,102
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
Piping Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Drain	O.D. / I.D.	mm	21.5 / 16.0	21.5 / 16.0
Air Flow Rate		High / Medium / Low	m ³ /min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.6
Sound Pressure	Cooling	High / Medium / Low	dB(A)	38 / 35 / 32	40 / 36 / 31
Sound Power	Cooling	Max	dB(A)	52	56
Dehumidification Rate			l/h	1.2	1.2
Dimensions	Body	W x H x D	mm	900 x 490 x 200	900 x 490 x 200
Net Weight	Body		kg	13.7	13.7

OUTDOOR				UU09W ULD	UU12W ULD
Compressor	Type			Rotary	Rotary
Airflow Rate		Nom	m ³ /min	32	32
Sound Pressure	Cooling	Nom	dB(A)	47	47
	Heating	Nom	dB(A)	48	48
Sound Power	Cooling	Max	dB(A)	56	57
Dimensions	W x H x D		mm	770 x 540 x 245	770 x 540 x 245
Net Weight			kg	32.0	32.0
Refrigerant	Type			R410A	R410A
	Charge		g	1,000	1,000
	Additional Charge		g/m	20	20
	GWP			2,087.5	2,087.5
	TCO2eq			2.1	2.1
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 43	-10 - 43
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15
Piping Length Total		Min - Max	m	5 - 15	5 - 15
Piping Elevation Difference	IDU - ODU	Max	m	10	10
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

CONSOLE

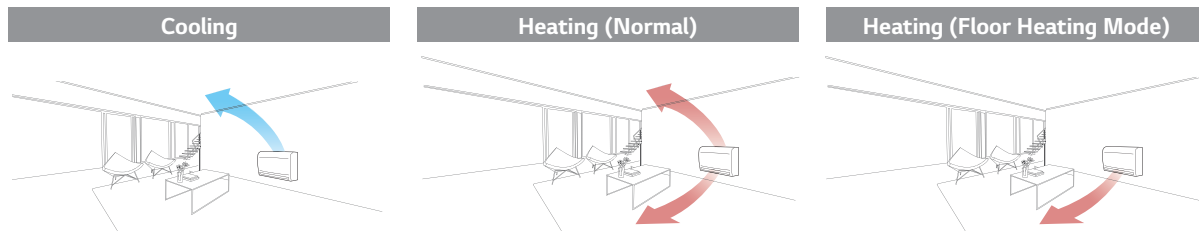


SINGLE SPLIT KEY FEATURES

CONSOLE

Optimised Air Flow for Cooling & Heating

During the cooling operation, the vane adjusts upwards to direct the air flow towards the ceiling.
When heating, the vane directs the warm air downwards to balance out the room temperature especially towards the floor.
It is controlled by wireless remote controller which is included indoor unit product



Quick Floor Heating

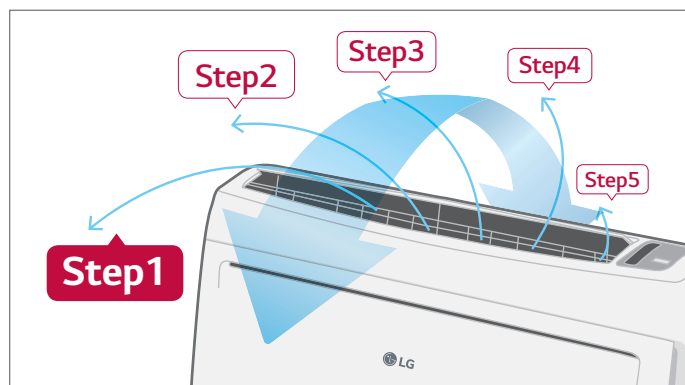
Console air conditioners portray high speed and powerful performance. Using the floor heating mode, console air conditioners provides floor heating at a faster pace and helps to reach the desired temperature quickly.

	Company A	Electric Heater	LG	LG Floor Heating Mode
27°C				
Vertical				
Horizontal				
15°C				
Lead Time for Heating (13°C - 21°C)	12 minutes 30 seconds	50 minutes	9 minutes 30 seconds	8 minutes 40 seconds

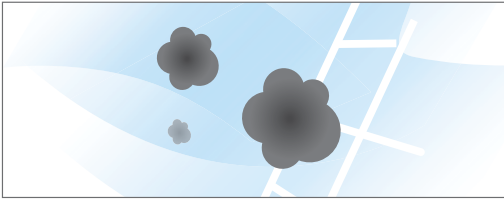
(Test Condition :Target Temp 23°C, Indoor Room : 13°C-, Outdoor Room : 7°C)

5-Step Vane Control

There are 5 different stages to control air flow direction.



Healthier Air



Advanced Pre Filter :

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

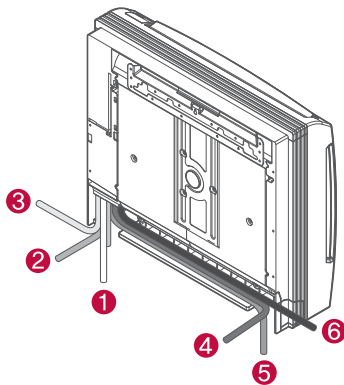


Plasma Ion Generator :

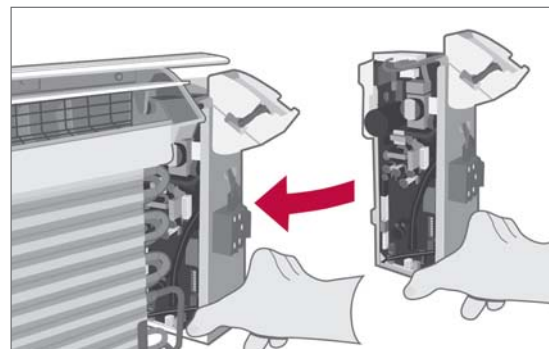
The sterilised ion generator emits around 1.2 million ions, and traps some of the airborne hazardous substances.

Easy Installation and Service

6 Different Ways to Install Piping



Easy Slide-type PCB



SINGLE SPLIT SPECIFICATION

CONSOLE

STANDARD INVERTER (R410A)

CQ09
CQ12
CQ18



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

UU09W
UU12W



UU18W



INDOOR				CQ09 NAO	CQ12 NAO	CQ18 NAO
Capacity	Cooling	Min / Nom / Max	kW	1.3 / 2.6 / 3.4	1.4 / 3.5 / 3.7	2.2 / 5.0 / 5.6
	Heating	Min / Nom / Max	kW	1.4 / 3.1 / 4.2	1.6 / 4.0 / 4.4	2.2 / 4.8 / 5.8
Low Temperature Capacity	Heating -7°C		Max	3.4	3.6	4.9
	Cooling	Nom	kW	0.64	1.06	1.55
Power Input (Set)	Heating		Nom	0.74	1.08	1.50
			Nom	20	30	40
Power Input (Indoor)	Cooling / Heating	Nom	A	3.42 / 3.87	5.02 / 5.03	7.0 / 6.9
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.98	3.30	3.23
COP				4.19	3.70	3.20
SEER				5.11	5.31	6.2
SCOP				3.81	3.81	3.81
Pdesign (@ -10°C)			kW	2.8	3.0	3.8
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A / A	A / A	A++ / A
Annual Energy Consumption	Cooling / Heating		kWh	172 / 1,032	231 / 1,105	282 / 1,396
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
Piping Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Drain	O.D. / I.D.	mm	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0
Air Flow Rate			m³/min	8.5 / 6.7 / 5.0	9.0 / 6.9 / 5.2	10.1 / 8.6 / 7.2
Sound Pressure	Cooling	High / Medium / Low	dB(A)	38 / 32 / 27	39 / 32 / 27	44 / 39 / 35
	Sound Power	Cooling	Max	53	56	60
Dehumidification Rate			l/h	1.2	1.4	2.3
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210	700 x 600 x 210
Net Weight	Body		kg	14.0	14.0	14.0

OUTDOOR				UU09W ULD	UU12W ULD	UU18W UE4
Compressor	Type			Rotary	Rotary	Twin Rotary
Airflow Rate	Nom		m³/min	32	32	50
Sound Pressure	Cooling	Nom	dB(A)	47	47	47
	Heating	Nom	dB(A)	48	48	52
Sound Power	Cooling	Max	dB(A)	56	57	63
Dimensions	W x H x D		mm	770 x 540 x 245	770 x 540 x 245	870 x 655 x 320
Net Weight			kg	32.0	32.0	44.6
Refrigerant	Type			R410A	R410A	R410A
	Charge		g	1,000	1,000	1,300
	Additional Charge		g/m	20	20	20
	GWP			2,087.5	2,087.5	2,087.5
	TCO2eq			2.1	2.1	2.7
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 43	-10 - 43	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm²	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15	20
Piping Length Total	Min - Max		m	5 - 15	5 - 15	5 - 30
Piping Elevation Difference	IDU - ODU	Max	m	10	10	30
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
Piping Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

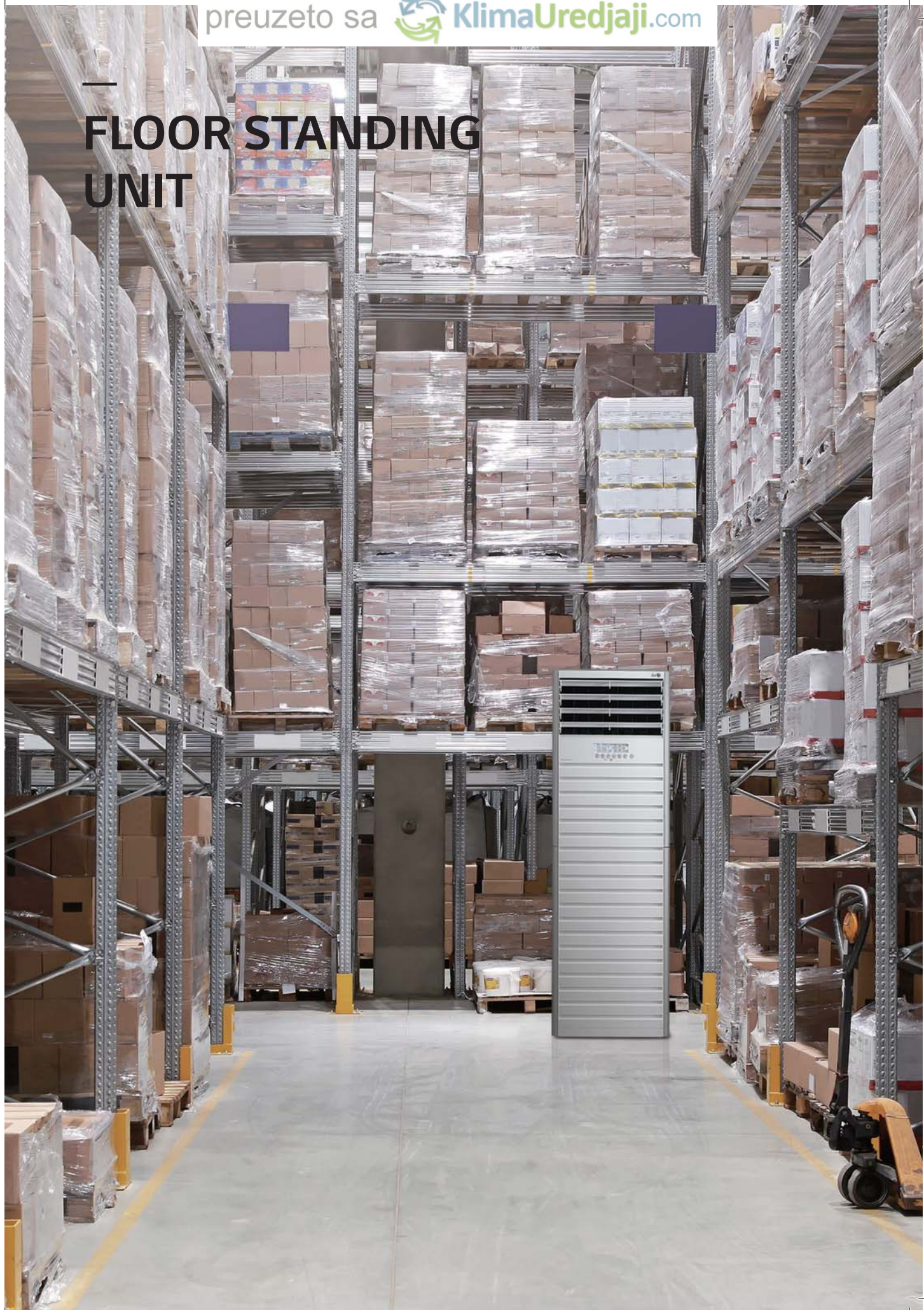
3. Capacities are based on the following conditions:

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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

FLOOR STANDING UNIT



SINGLE SPLIT KEY FEATURES

FLOOR STANDING UNIT

Stylish Design

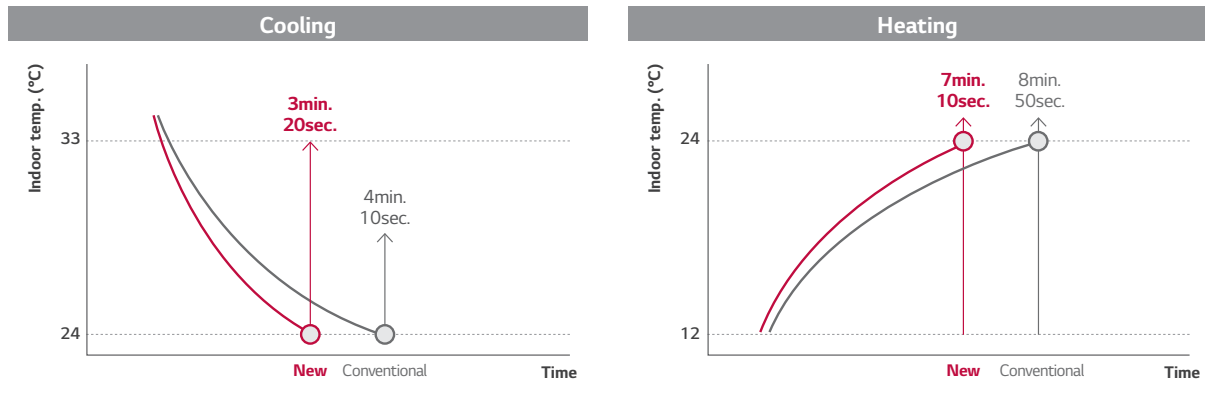
The new LG floor standing air conditioner which is Red Dot design award winner 2013, is ideal for modern interiors in your home or office.



reddot design award
winner 2013

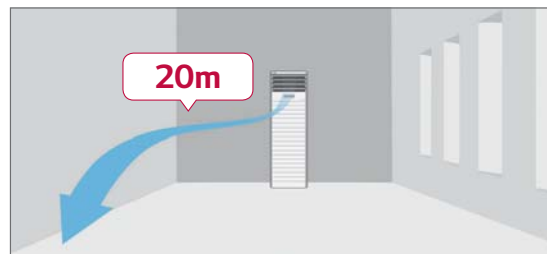
Quick Response

Offering powerful cooling, the commercial air conditioning system can reach a set temperature in a shorter period of time. Meanwhile, the Power Heating function provides the optimal airflow angle, guaranteeing a faster heating performance.



Powerful Air Flow

The new LG floor standing air conditioner is efficient for using in large areas due to its powerful cooling and heating operation. The powerful air speed and volume means the air flow can reach up to 20m away from the air conditioner.



SINGLE SPLIT SPECIFICATION

FLOOR STANDING UNIT

STANDARD INVERTER (R410A)

UP48

UU48W / UU49W



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com



COMMERCIAL

INDOOR				UP48 NT2	
Capacity	Cooling	Min / Nom / Max	kW	6.0 / 13.4 / 15.2	6.0 / 13.4 / 15.2
	Heating	Min / Nom / Max	kW	6.0 / 15.5 / 17.1	6.0 / 15.5 / 17.1
Low Temperature Capacity	Heating -7°C		Max	16.0	16.0
	Cooling	Nom	kW	4.2	4.2
Power Input (Set)	Heating		Nom	4.5	4.5
	Heating		Nom	200	200
Power Input (Indoor)	Nom		W	200	200
Running Current	Cooling / Heating	Nom	A	18.1 / 19.5	5.76 / 6.20
Power Supply	Ø / V / Hz			1 / 220-240 / 50	1 / 220-240 / 50
EER				3.21	3.21
COP				3.41	3.41
SEER				5.05	5.05
SCOP				3.51	3.51
Pdesign (@ -10°C)			kW	11.5	11.5
Seasonal Energy Label	Cooling / Heating			-	-
Annual Energy Consumption	Cooling / Heating		kWh	-	-
	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25
Air Flow Rate	High / Medium / Low		m³/min	31 / 27 / 23	31 / 27 / 23
Sound Pressure	Cooling	High / Medium / Low	dB(A)	52 / 49 / 45	52 / 49 / 45
Sound Power	Cooling	Max	dB(A)	59	59
Dehumidification Rate			l/h	5.0	5.0
Dimensions	Body	W x H x D	mm	590 x 1,840 x 460	590 x 1,840 x 460
Net Weight	Body		kg	50.0	50.0

OUTDOOR				UU48W U32	UU49W U32
Compressor	Type			Twin Rotary	Twin Rotary
Airflow Rate	Nom		m³/min	110	110
Sound Pressure	Cooling	Nom	dB(A)	52	52
	Heating	Nom	dB(A)	54	54
Sound Power	Cooling	Max	dB(A)	68	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	92.0	96.0
Refrigerant	Type			R410A	R410A
	Charge		g	3,400	3,400
	Additional Charge		g/m	40	40
	GWP			2087.5	2087.5
	TCO2eq			7.1	7.1
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply	Ø / V / Hz			1 / 220-240 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	3C x 5.0	5C x 5.0
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	20
Piping Length Total	Min - Max		m	75	75
Piping Elevation Difference	IDU - ODU	Max	m	30	30
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

WALL MOUNTED UNIT



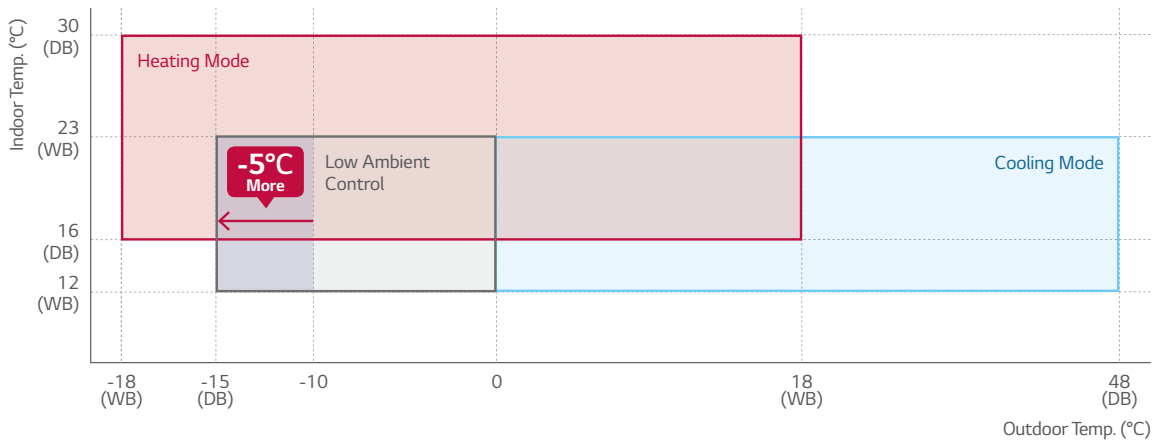
SINGLE SPLIT KEY FEATURES

WALL MOUNTED UNIT

COMMERCIAL

Wide Operation Range

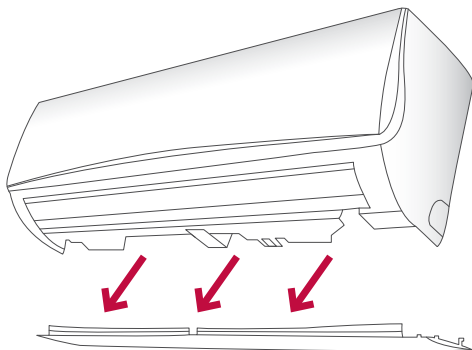
Ideal and comprehensive solution for server rooms, machine rooms and kitchens.



Easy Installation

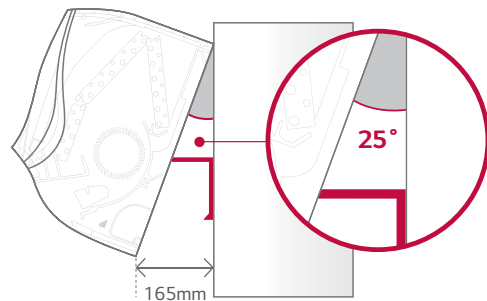
Detachable Bottom Cover

The bottom cover is detachable when needed, making installation easier. Disassembly or additional support of the unit is unnecessary. Installation can be completed by one individual with LG's patented support tool.



Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



SINGLE SPLIT KEY FEATURES

WALL MOUNTED UNIT

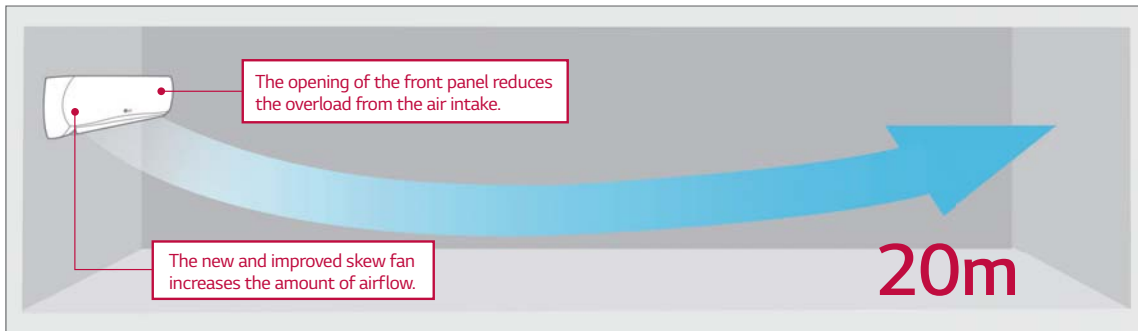
High Energy Efficiency

New wall mounted units provide good seasonal energy efficiency connected with Standard Inverter outdoor units.

	8.0kW	10kW
SEER	6.1 (A++)	5.4 (A)
SCOP	3.9 (A)	3.8 (A)

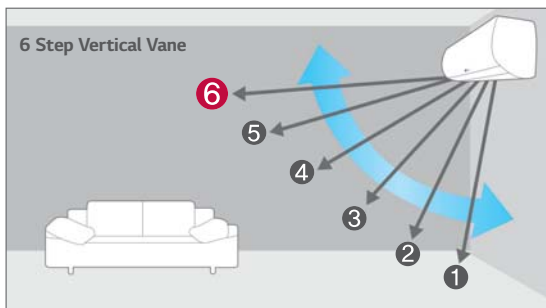
Powerful Cooling & Heating

20m Windblast



Optimised Airflow

Direction of horizontal vane can be adjusted from step 1 to step 6 with full auto swing. This function can cool and heat specific areas much faster.



Quick Cooling & Heating

Jet cooling and heating disperses air evenly at high speed to secure an optimally cooled or heated room in just 3 minutes.



SINGLE SPLIT SPECIFICATION

WALL MOUNTED UNIT

STANDARD INVERTER (R410A)

UJ30 / UJ36



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com

UU30W



UU36W
UU37W



COMMERCIAL

INDOOR				UJ30 NV2	UJ36 NV2	UJ36 NV3
Capacity	Cooling	Min / Nom / Max	kW	3.5 / 7.8 / 8.5	4.0 / 9.5 / 10.5	4.0 / 9.5 / 10.5
	Heating	Min / Nom / Max	kW	4.0 / 8.4 / 9.2	4.4 / 10.5 / 11.5	4.4 / 10.5 / 11.5
Low Temperature Capacity	Heating -7°C	Max	kW	7.5	9.4	9.4
	Cooling	Nom	kW	2.29	2.79	2.79
Power Input (Set)	Heating	Nom	kW	2.46	3.08	3.08
		Nom	W	140	160	160
Power Input (Indoor)		Nom	W	140	160	160
Running Current	Cooling / Heating	Nom	A	10.0 / 10.7	12.1 / 13.4	4.0 / 4.4
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.41	3.41	3.41
COP				3.41	3.41	3.41
SEER				6.11	5.41	5.41
SCOP				3.91	3.81	3.81
Pdesign (@ -10°C)			kW	6.3	7.6	7.6
Seasonal Energy Label	Cooling / Heating	(A++ to E Scale)		A++ / A	A / A	A / A
Annual Energy Consumption	Cooling / Heating		kWh	448 / 2,262	615 / 2,793	615 / 2,793
	Liquid		mm (inch)	∅9.52 (3/8)	∅9.52 (3/8)	∅9.52 (3/8)
Piping Connection	Gas		mm (inch)	∅15.88 (5/8)	∅15.88 (5/8)	∅15.88 (5/8)
	Drain	O.D. / I.D.	mm	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0
Air Flow Rate		High / Medium / Low	m³/min	22.0 / 19.0 / 16.0	27.0 / 24.0 / 20.0	27.0 / 24.0 / 20.0
Sound Pressure	Cooling	High / Medium / Low	dB(A)	45 / 42 / 40	48 / 45 / 41	48 / 45 / 41
Sound Power	Cooling	Max	dB(A)	61	63	63
Dehumidification Rate			l/h	3.0	3.4	3.4
Dimensions	Body	W x H x D	mm	1,190 x 346 x 265	1,190 x 346 x 265	1,190 x 346 x 265
Net Weight	Body		kg	15.7	16.0	16.0

OUTDOOR				UU30W U44	UU36W U02	UU37W U02
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	58	90	90
Sound Pressure	Cooling	Nom	dB(A)	48	53	53
	Heating	Nom	dB(A)	52	54	54
Sound Power	Cooling	Max	dB(A)	68	66	66
			mm	950 x 834 x 330	950 x 1,170 x 330	950 x 1,170 x 330
Dimensions	W x H x D					
Net Weight			kg	58.0	81.0	85.0
Refrigerant	Type			R410A	R410A	R410A
	Charge		g	2,000	2,800	2,800
	Additional Charge		g/m	40	40	40
	GWP			2087.5	2087.5	2087.5
	TCO2eq			4.2	5.8	5.8
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	3C x 2.5	3C x 5.0	5C x 2.5
Transmission Cable			No. x mm²	3C x 2.5	4C x 0.75	4C x 0.75
Circuit Breaker			A	4C x 0.75	40	20
Piping Length Total		Min - Max	m	25	5 - 50	5 - 50
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30
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)

Note: 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

SYNCHRO OPERATION



SINGLE SPLIT KEY FEATURES

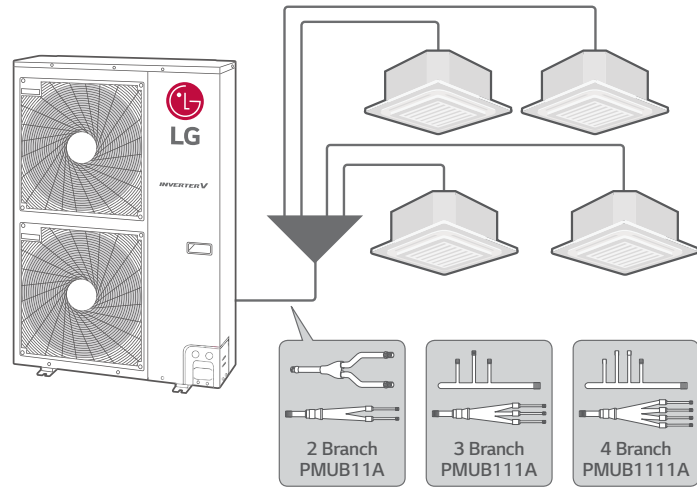
SYNCHRO OPERATION

COMMERCIAL

Simultaneous Operation

It is possible to connect 2, 3, or 4 indoor units to a single outdoor unit. All indoor units are operated together within the same mode from one remote controller. This allows equal air distribution in large commercial areas.

- High efficiency & Low noise
- Various indoor unit types
- Only using simple branch piping
- Standard Inverter
 - 12.5 / 14.0 / 15.0 / 20.0 / 25.0kW



Combination Table

	Duo			Trio			Quartet				
	Capacity (kW)		Cassette	Duct	Ceiling Suspended	Cassette	Duct	Ceiling Suspended	Cassette	Duct	Ceiling Suspended
Cooling	Heating										
UU42W U32	12.5	14.0	CT24 NP4 x 2	CM24 N14 x 2	CV24 NJ2 x 2	CT18 NQ4 x 3	CM18 N14 x 3	CV18 NJ2 x 3	CT12 NR2 x 4	CB12L N22 x 4	-
UU43W U32				CB24L N32 x 2			CB18L N22 x 3				
UU48W U32	14.0	16.0	CT24 NP4 x 2	CM24 N14 x 2	CV24 NJ2 x 2	CT18 NQ4 x 3	CM18 N14 x 3	CV18 NJ2 x 3	CT12 NR2 x 4	CB12L N22 x 4	-
UU49W U32				CB24L N32 x 2			CB18L N22 x 3				
UU60W U32	15.0	17.0	UT30 NP4 x 2	UM30 N14 x 2	UV30 NJ2 x 2	CT18 NQ4 x 3	CM18 N14 x 3	CV18 NJ2 x 3	CT12 NR2 x 4	CB12L N22 x 4	-
UU61W U32							CB18L N22 x 3				
UU70W U34	19.0	22.4	UT36 NN2 x 2	UM36 N24 x 2	UV36 NK2 x 2	CT24 NP4 x 3	CM24 N14 x 3	CV24 NJ2 x 3	CT18 NQ4 x 4	CM18 N14 x 4	CV18 NJ2 x 4
UU85W U74	23.0	27.0	UT42 NM2 x 2	UM42 N24 x 2	UV42 NL2 x 2	CT24 NP4 x 3	CM24 N14 x 3	CV24 NJ2 x 3	CT18 NQ4 x 4	CM18 N14 x 4	CV18 NJ2 x 4
							CB24L N32 x 3			CB18L N22 x 4	
Remote Controller	Standard Wired Remote Controller: PREMTB001 (White) / PREMTBB01 (Black)										
BD Unit	PMUB111A										
AC EZ	PQCSZ250S0										

* For Ceiling suspended, the wired remote controller has to be purchased separately.

SINGLE SPLIT SPECIFICATION

SYNCHRO OPERATION

STANDARD INVERTER (R410A)

UU42W
UU48W
UU60W



INDOOR				CT12 / CT18 / CT24 / UT30 NR2/N*4 CM18 / CM24 / UM30 N*4 CB12L / CB18L / CB24L N*2 CV18 / CV24 / UV30 N*2
Capacity	Cooling	Min / Nom / Max	kW	* Please refer to the Combination Table
	Heating	Min / Nom / Max	kW	
Power Input	Cooling	Nom	kW	
	Heating	Nom	kW	
Running Current	Cooling / Heating	Nom	A	
	Liquid		mm (inch)	
Piping Connection	Gas		mm (inch)	
	Drain	O.D. / I.D.	mm	
	Air Flow Rate	High / Medium / Low	m ³ /min	
Sound Pressure	Cooling	High / Medium / Low	dBA	
Sound Power	Cooling	Max	dBA	
Dehumidification Rate			l/h	
Dimensions	Body	W x H x D	mm	
Net Weight	Body		kg	

* Please refer to the specification of each indoor unit.
* Below functions are not available for Synchro operation.
- Group Control
- Zone Control
- Dry Contact
- Auto Changeover

OUTDOOR				UU42W U32	UU48W U32	UU60W U32
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m ³ /min	110	110	110
Sound Pressure	Cooling	Nom	dBA	52	52	52
	Heating	Nom	dBA	54	54	54
Sound Power	Cooling	Max	dBA	67	68	71
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	92.0	92.0	92.0
Refrigerant	Type			R410A	R410A	R410A
	Charge		g	3,400	3,400	3,400
	Additional Charge		g/m	Please refer to the Product Data Book or Installation Manual		
	GWP		-	2087.5	2087.5	2087.5
Operation Range (Outdoor)	TCO2eq		-	7.1	7.1	7.1
	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 5.0	3C x 5.0	3C x 5.0
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
Max. Interunit Piping Length	Total Piping (Main + Total Branch)		m	80	80	80
	Main Piping		m	45	45	45
	Total Branch Piping		m	40	40	40
Max. Installation Height Difference	Each Branch Piping		m	15	15	15
	Indoor Unit - Outdoor Unit		m	30	30	30
	Indoor Unit - Indoor Unit		m	1	1	1

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. 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

4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

SINGLE SPLIT SPECIFICATION

SYNCHRO OPERATION

STANDARD INVERTER (R410A)

UU43W
UU49W
UU61W



COMMERCIAL

INDOOR				CT12 / CT18 / CT24 / UT30 NR2/N*4 CM18 / CM24 / UM30 N*4 CB12L / CB18L / CB24L N*2 CV18 / CV24 / UV30 N*2
Capacity	Cooling	Min / Nom / Max	kW	* Please refer to the Combination Table
	Heating	Min / Nom / Max	kW	
Power Input	Cooling	Nom	kW	* Please refer to the specification of each indoor unit. * Below functions are not available for Synchro operation. - Group Control - Zone Control - Dry Contact - Auto Changeover
	Heating	Nom	kW	
Running Current	Cooling / Heating	Nom	A	
Piping Connection	Liquid		mm (inch)	
	Gas		mm (inch)	
	Drain	O.D. / I.D.	mm	
Air Flow Rate		High / Medium / Low	m ³ /min	
Sound Pressure	Cooling	High / Medium / Low	dBA	
Sound Power	Cooling	Max	dBA	
Dehumidification Rate			l/h	
Dimensions	Body	W x H x D	mm	
Net Weight	Body		kg	

OUTDOOR				UU43W U32	UU49W U32	UU61W U32
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m ³ /min	110	110	110
Sound Pressure	Cooling	Nom	dBA	52	52	52
	Heating	Nom	dBA	54	54	54
Sound Power	Cooling	Max	dBA	67	68	71
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	96.0	96.0	96.0
Refrigerant	Type			R410A	R410A	R410A
	Charge		g	3,400	3,400	3,400
	Additional Charge		g/m	Please refer to the Product Data Book or Installation Manual		
	GWP		-	2087.5	2087.5	2087.5
Operation Range (Outdoor)				7.1	7.1	7.1
	Cooling	Min - Max	°C DB	-15 - 48	-15 - 48	-15 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm ²	5C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
Max. Interunit	Total Piping (Main + Total Branch)		m	80	80	80
	Main Piping		m	45	45	45
Piping Length	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. Definition of Power Input Nominal conditions - Performance tested under EN14511

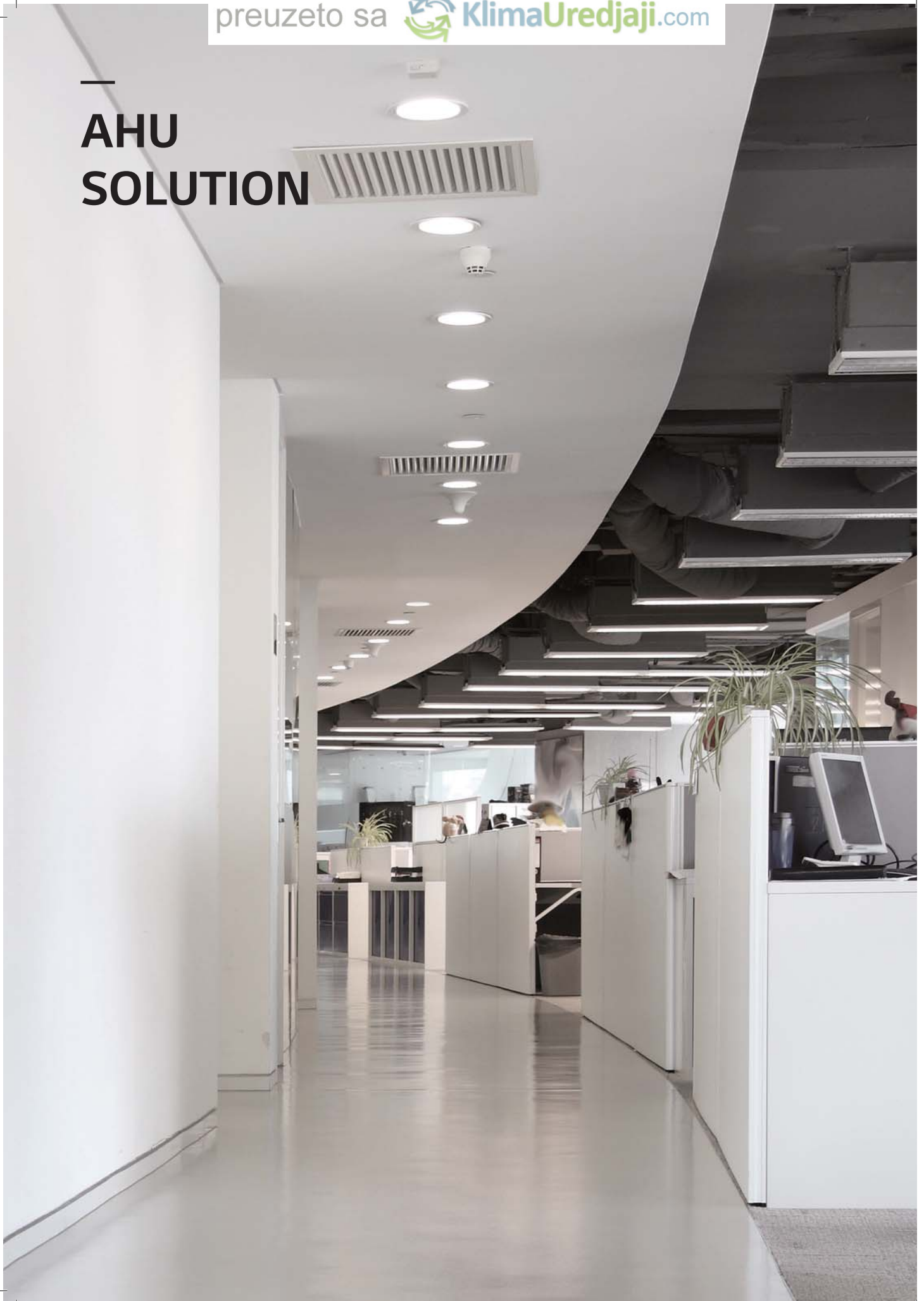
3. Capacities are based on the following conditions:

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

4. Annual energy consumption: based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition

5. This product contains fluorinated greenhouse gases (R410A)

AHU SOLUTION



SINGLE SPLIT AHU SOLUTION

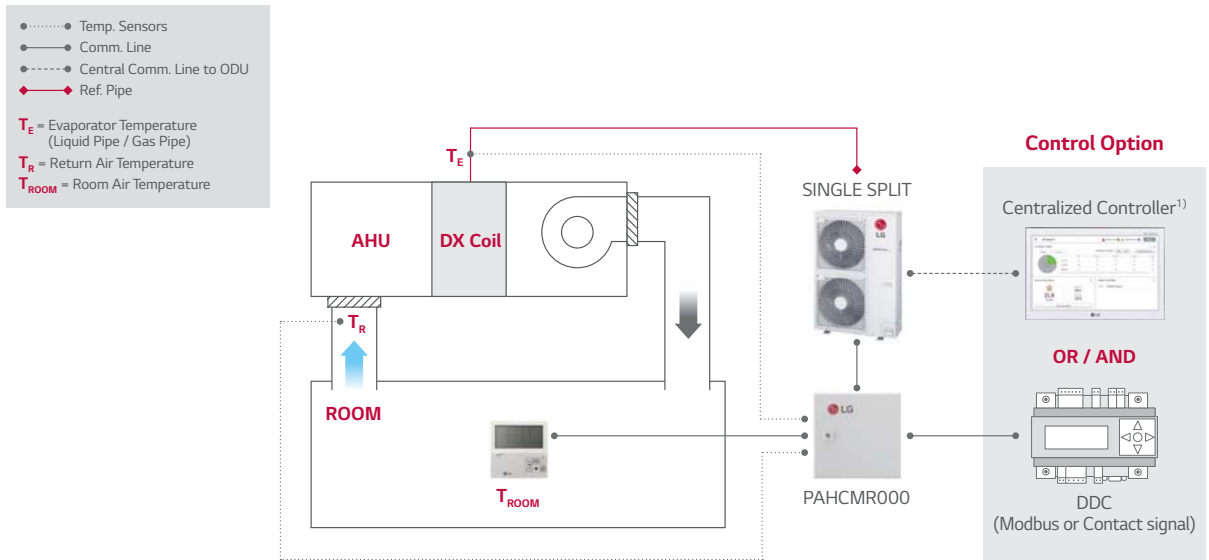
AHU COMBINATION

COMMERCIAL

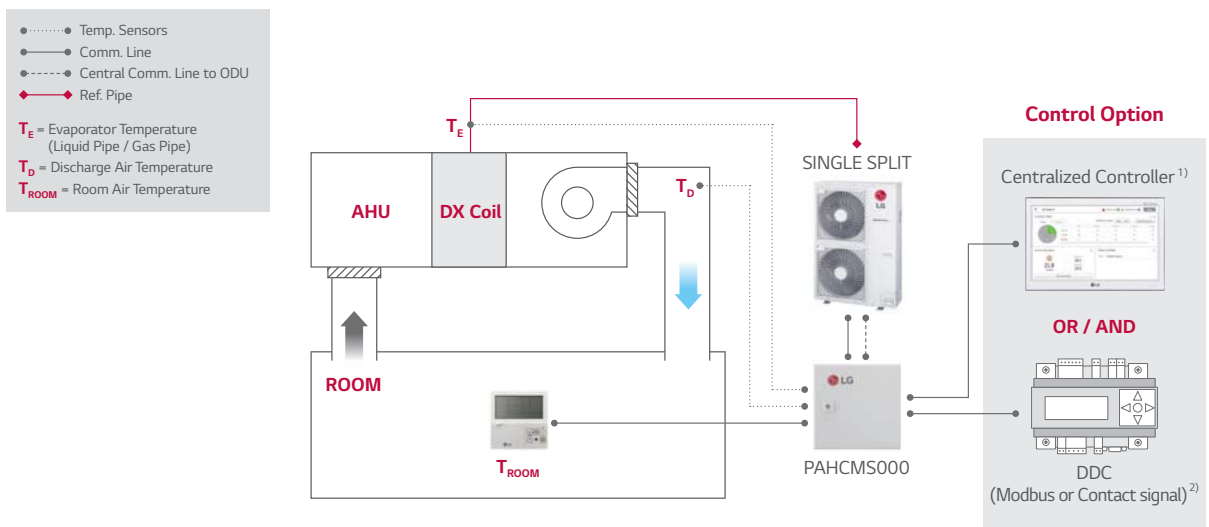
Air Handling Applications

Economically feasible solution for pair application with air handling units.

Return / Room Air Temperature Control



Discharge Air Temperature Control



1) PI485(PMNF14A1) is required for using centralized controller

2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC

3) For more detail, please refer to the PDB of AHU Communication Kit

SINGLE SPLIT AHU SOLUTION

AHU COMMUNICATION KITS

COMMUNICATION KIT

- NEW!** PAHCMR000
- NEW!** PAHCMS000



Specifications

MODEL	Combination		Description	Dimensions (mm)		
	OUTDOOR UNIT	CENTRALIZED CONTROLLER		W	H	D
PAHCMR000	Single Split	•	Return / Room air temperature control by DDC or LG individual / centralized controller	300	300	155
PAHCMS000	Single Split	•	Discharge air temperature control by DDC or LG individual / centralized controller	380	300	155

Function list for Communication kit

FUNCTION LIST*	PAHCMR000	PAHCMS000	NOTE
Comm. Kit Operation	On / Off	On / Off	
Operation Mode ¹⁾	Cooling / Heating	Cooling / Heating	
Return (room) Air Temperature	16-30°C	-	
Control			
Discharge Air Temperature ²⁾	-	16-30°C	Available in case of using DDC with Modbus or LG Control system
Fan Speed ³⁾	Low / Middle / High	Low / Middle / High	It may not be possible depending on the particular condition
Forced Thermal On / Off	On / Off	-	Available in case of using DDC with contact signal
Capacity Control	-	•	Available in case of using DDC with Modbus or contact signal
Monitor			
Comm. Kit Operation	On / Off	On / Off	
Operation Mode ¹⁾	Cooling / Heating	Cooling / Heating	Available in case of using DDC with Modbus or LG Control system
Fan Speed	Low / Middle / High	Low / Middle / High	
Error Alarm	•	•	
Compressor On / Off	On / Off	On / Off	Available in case of using DDC with Modbus or LG individual controller PAHCMR000 doesn't provide this in case of using DDC with contact signal

1) Available operation mode can be varied depending on the setting of AHU Communication Kit.
 2) This range may differ depending on the type of controller
 3) To control and monitor the fan speed, DO ports for the fan speed status have to be connected with the fan unit
 * Some of functions may not be possible depending on the setting of AHU Communication Kit. For more details of condition, please refer to the product data book

Combination Table

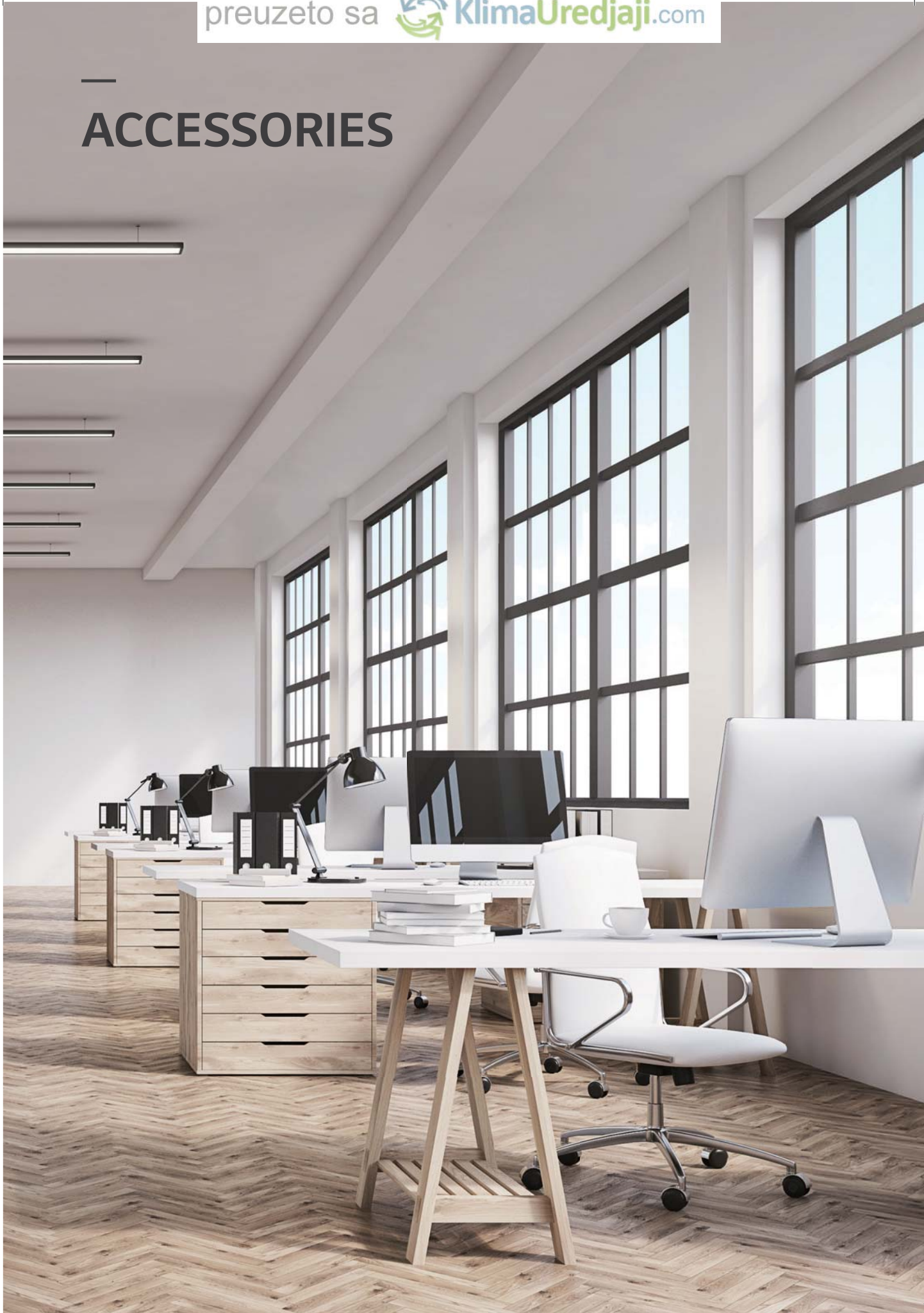
STANDARD INVERTER (1-phase)

			UU18W UE4	UU24W U44	UU30W U44	UU36W U02	UU42W U32	UU48W U32	UU60W U32
Capacity	Cooling	kW	4.7	7.7	8.0	10.0	12.5	13.9	14.6
	Heating	kW	5.5	8.0	9.0	11.0	14.0	15.4	16.9
AHU Kit	PAHCMR000		•	•	•	•	•	•	•
	PAHCMS000		•	•	•	-	-	-	-

STANDARD INVERTER (3-phase)

			UU37W U02	UU43W U32	UU49W U32	UU61W U32	UU70W U34	UU85W U74
Capacity	Cooling	kW	10.0	12.5	13.9	14.6	19.0	23.0
	Heating	kW	11.0	14.0	15.4	16.9	22.4	27.0
AHU Kit	PAHCMR000		•	•	•	•	•	•
	PAHCMS000		-	-	-	-	•	•

ACCESSORIES



SINGLE SPLIT ACCESSORIES

LG Wi-Fi MODEM

Control LG air conditioners via using the internet devices as Android or iOS bases smartphones



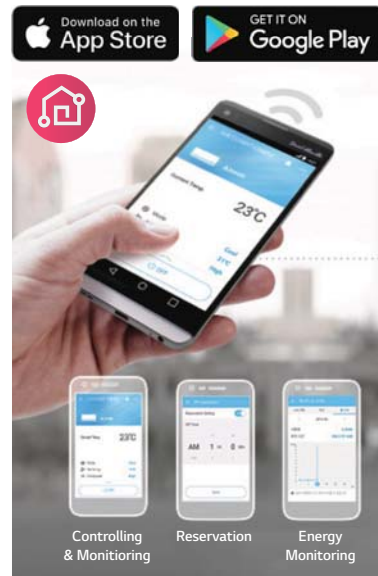
PWFMDD200

Features

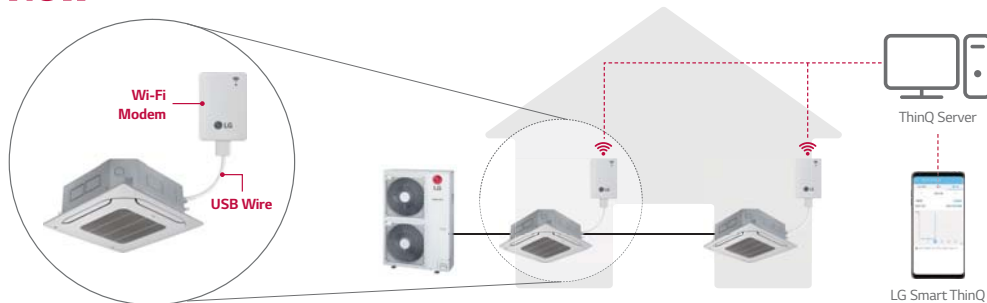
- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device
- LG's exclusive Home Appliances control app(SmartThinQ) is available
- Simple operation for various functions
 - On/Off
 - Operation Mode
 - Current/Set Temperature
 - Fan Speed
 - Vane Control²⁾
 - Reservation (Sleep, Weekly On/Off)
 - Energy Monitoring¹⁾
 - Filter Management
 - Error check

Model Name	PWFMDD200
Size (W x H x D, mm)	48 x 68 x 14
Interfaceable Products	Multi V Indoor unit ³⁾
Connection Type	Indoor unit 1:1
Communication Frequency	2.4 GHz
Wireless Standards	IEEE 802.11b/g/n
Mobile Application	LG Smart ThinQ (Android v4.1(Jellybean) or higher, iPhone iOS 9.0 or higher)
Optional Extension Cable	PWYREW000 (10m extension)

* Functionality may be different according to each IDU model
 * User interface of application shall be revised for its design and contents improvement
 * Application is optimized for smartphone use, so it may not be well functioning with tablet devices
 1) LG Centralized controller and PDI installation is required for this function
 2) Vane Control may not be possible according to the type of Indoor unit
 3) For the compatibility with Indoor unit, please contact regional office



Overview



* Search "LG Smart ThinQ" on Google market or Appstore then download the app.
 * Internet service with Wi-Fi connection has to be available

SINGLE SPLIT ACCESSORIES

Wi-Fi CONTROLLER¹⁾

COMMERCIAL

LG-RC-WF-1



Features

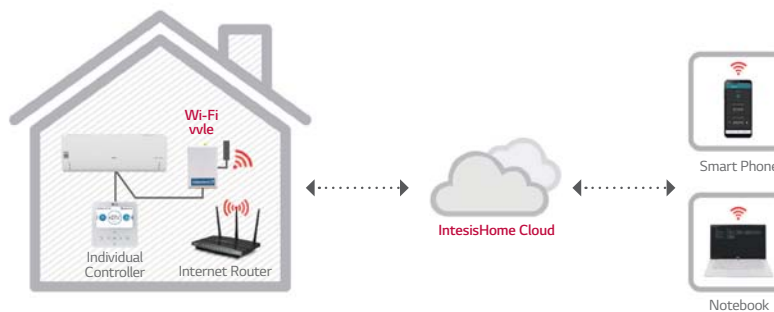
- No need external power
- CAC system unit capacity (SCAC, Multi and Multi V)
- Control and monitor by mobile device
- Additional internet service has to be available and registration user account in IntesisHome cloud to use Wi-Fi controller is mandatory
- IntesisHome cloud application is available for smart devices such as smart phone(Android, iOS), laptop, tablet.

Model Name	LG-RC-WF-1
Start / Stop Operation	•
Operation Mode	Cool / Heat / Auto / Fan / Dry
Set Point	•
Ambient Temperature	•
Fan Speed	•

Specifications

Model Name	LG-RC-WF-1
Enclosure	ABS (UL 94 HB), 2.5 mm thickness
Dimensions (mm)	70 x 108 x 28 mm
Weight (g)	80g
Color	White
Power Supply	12V, 60mA typical Doesn't require external power supply (supplied by the Indoor Unit)
Mounting	Wall
Operating Temperature	From 0°C to 40°C
Operating Humidity	<93% HR, no condensation
Stock Humidity	<93% HR, no condensation
RoHS Conformity	Compliant with RoHS directive (2002/95/CE)
Certifications	CE conformity to EMC directive (2004/108/EC) ,Low-voltage directive (2006/95/EC) EN 60950-1 / EN301489-1 v1.8.1 / EN 301489-17 v2.1.1

Overview



1) This product is provided by Intesis.

SINGLE SPLIT ACCESSORIES

Wi-Fi CONTROLLER 1)



LG-IR-WF-1

Models Applied

- Connectable with the indoor unit having IR receiver
- Power supply includes EU-UK-US-AU heads
- On / Off status and mode indicated by LED light
- Additional internet service has to be available and registration user account in Intesis Home cloud to use Wi-fi controller is mandatory
- IntesisHome cloud app is available for android phone or iOS phone
- Control and monitor
- Easy to install : Wall or desktop mounted
- Automatic firmware Updates*

* Internet access is necessary

Model Name	LG-IR-WF-1
Start / Stop Operation	•
Operation Mode	Cool / Heat / Auto / Fan / Dry
Set Point	•
Ambient Temperature	•
Fan Speed	•

Specifications

Model Name	LG-IR-WF-1
Enclosure	ABS (V-0, 5VB) 2,1 mm thickness PC (V-2) 1mm thickness
Dimensions (mm)	81 × 78 × 28
Weight (g)	76
Color	White
Power Supply	5VDC 0,2 A NEC Class 2 or Limited Power Source (LPS) and SELV Rated Power supply
Mounting	Wall
LED Indicators	1 × Device Status
Operating Temperature	From 0°C to 40°C
Operating Humidity	<93% HR, no Condensation
Stock Humidity	<93% HR, no Condensation
RoHS Conformity	Compliant with RoHS Directive (2002 / 95 / CE) Compliant with RoHS Directive (2002 / 95 / CE)
Certifications	CE Conformity to EMC Directive (2004 / 108 / EC) and Low-voltage Directive (2006 / 95 / EC) EN 60950-1 / EN 301489-1 v1.8.1 / EN 300328

Overview

Case 1) Connection with Indoor Units with IR Receiver



1) This product is provided by Intesis.

Case 2) Connection with Duct Type Indoor Units



SINGLE SPLIT ACCESSORIES

SYNCHRO BRANCHES

COMMERCIAL



2 Units PMUB11A
3 Units PMUB111A
4 Units PMUB1111A

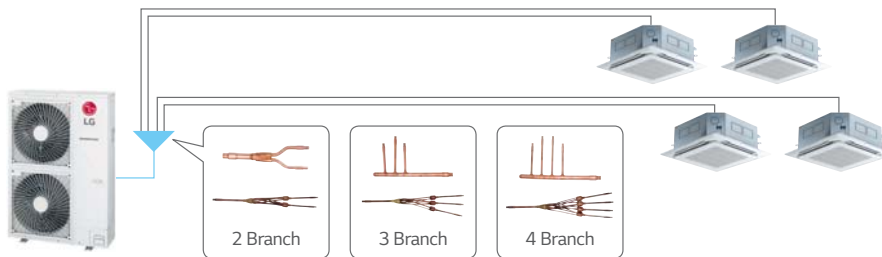
Features

- Various Y Branch pipes of different capacities make installation easier
- Y Branch and header branch for both gas and liquid are provided
- Insulation material is also provided for covering the branches

Models Applied

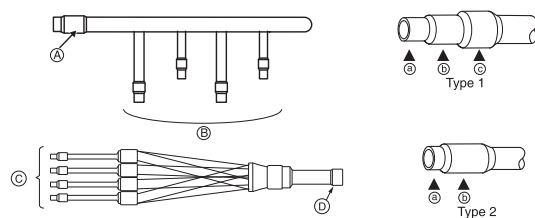
Standard Inverter : 12.5 / 14.0 / 15.0 / 20.0 / 25.0kw

Application



Branching kit

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



	a	b	c	Type
A	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø25.4 (1)	1
B	Ø9.52 (3/8) Ø12.7 (1/2)	Ø12.7 (1/2) Ø15.88 (5/8)	-	2
C	Ø6.35 (1/4)	Ø9.52 (3/8)	-	2
D	Ø9.52 (3/8)	Ø12.7 (1/2)	-	2