# WALL MOUNTED

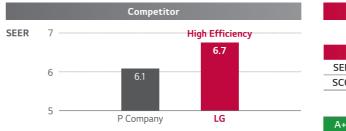
# **Saving Operation Cost**

#### **High Energy Efficiency**



from the SEER class given according to ErP Regulations.

Server room need to be operated continuously. That's why server room owners want to use high energy efficient air conditioning. LG solution saves annual operation cost for server room due to high SEER.



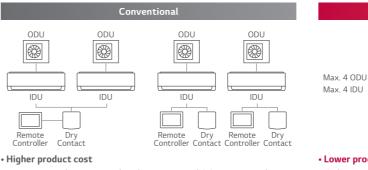
% P Company 7.1kW Solution / Outdoor unit : 7.1kW

- Indoor unit : 7.1kW Wall mounted unit \* Performances are based on the following conditions :
- Cooling : Indoor Temp. 27°CDB / 19°CWB, Outdoor Temp. 35°CDB / 24°CWB
- Heating : Indoor Temp. 20°CDB / 15°CWB, Outdoor Temp. 7°CDB / 6°CWB • Interconnected Pipe is standard length and difference of Elevation
- (Outdoor ~ Indoor Unit) is Om.

## **Easy Installation**

#### Simplified Connection

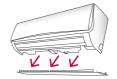
For small server rooms, LG provides a simple system with only one remote controller. It doesn't need additional control accessories.



- A conventional system needs a dry contact and  $3^{\mbox{\scriptsize rd}}$  party control individual remote controller(s).
- Higher installation cost
- Need more labor and time for design, installation, cabling and test. • Design & Installation difficulties
- It is difficult to make if you need to control more indoor units.

#### **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.

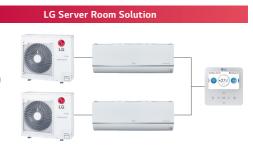


% This contents of page will be updated later. (Saving operation cost / Easy installation)

The advanced technologies of LG achieve lower energy consumption, especially in cooling as can be seen

		LG Serv	er Room S	Solution		
		SEER cla	ass (ErP re	egulation)		
	2.5kW	3.4kW	5.0kW	6.8kW	8.0kW	9.5kW
ER	7.0 (A++)	6.6 (A++)	6.8 (A++)	6.7 (A++)	7.0 (A++)	6.1 (A++)
OP					4.3 (A+)	3.85 (A+)
		SEER cla	ass (ErP re	egulation)		

		-	
+++	SEER≥8.5	В	4.6 ≤ SEER < 5.1
++	6.1 ≤ SEER < 8.5	С	4.1 ≤ SEER < 4.6
۹+	5.6 ≤ SEER < 6.1	D	3.6 ≤ SEER < 4.1
	5.1 ≤ SEER < 5.6		



#### Lower product cost

Only one LG's remote controller needed for max.4 ODUs and IDUs. • Lower installation cost

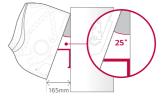
Need less labor and time for design, installation, cabling and test. • Easy Design & Installation

It provides easy design and installation because of a simple system with LG controller even in case of more number of ODUs and IDUs(Max.4).

% MJ09PC, MJ12PC, MJ18PC, MJ24PC combinations are only available

#### Installation Support Clip

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



# **Stable & Reliable Operation**

#### **Duty Rotation**

Operates more than 2 sets of indoor units alternatively at every set time of operation interval. Rotation interval can be set from 1h to 999h freely.





#### Air Conditioners' Overworking

- Shortening an air conditioner's lifetime
- Reducing compressor's life expectancy
- The service cost may increase due to an air conditioner's overworking

#### Stable & Safe Operation

- Stable operation due to indoor units taking turns when operating - Less breakdowns and operational server room

- The air conditioner's life expectancy is increased
- Rotation interval can be set from 1h to 999h freely



#### Failure Back-up

If systems in operation have an error and stop, the standby unit starts operation automatically.



#### A server can be shut down

- In case of an overheated server room a server can be shut down
- The risk of an increased service cost
- The need for manual monitoring and operation for failure



#### Stable & Safe Operation

- Stable operation because the operation error can be covered by failure back-up operation

- Continuous server operations and decreased risk
- The server is protected from overheating
- Less manual work

**Operation Scenario** 

#### When the number of the indoor units : 2

- When duty rotation is enabled, IDU #1 is in operation and IDU #2 is on standby.
- (2) If an error occurs on IDU #1, a standby unit starts operation.
- (3) After the error is cleared, IDU #2 goes back to standby.



#### **Capacity Back-up**

When the difference between the cooling set temperature and the current room temperature is higher than the set temperature difference of capacity back-up, the standby unit operates. When the temperature difference reaches the set temperature difference, it goes back to the normal duty rotation.



#### Server can be Overheated

- Sometimes the server room can be overheated because of the server overload
- The servers can be shut down when they overheat continuously - Air conditioners overload
- Need manual controls for additional cooling

#### **Operation Scenario**

#### When the number of the indoor units : 2

The set temperature difference is A, and the difference between the cooling set temperature and the current room temperature is B,

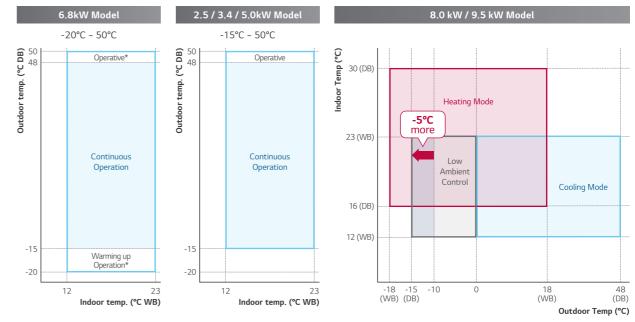
- When duty rotation is enabled, IDU #1 is in operation and IDU #2 is on standby.
- (2) If B is higher than A, the standby unit starts operation. (3) When B goes down and remains below A for some time, The backup unit stops and goes back to standby mode.

If cooling set temperature is 22℃ and the set temperature difference is 4℃.

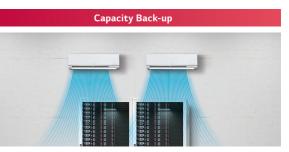
\* Duty rotation, capacity back-up, failure back-up function will be available from 2021.2Q - Applied models : MJ09PC, MJ12PC, MJ18PC, MJ24PC only

#### Wide Operational Range

In case of the server room, continuous cooling is required all year round, and outdoor unit must be stable in the outdoor harsh cold temperature. LG Single split has wide operation range in cooling down continuously from -15°C and up to 48°C.



\* Warming up operation and operative means that the outdoor unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic.



#### Stable & Safe Operation

- Stable operation due to the over capacity by back-up operation - Prevent air conditioners from overload

- Protect server from overheating
- No need for manual controls due to the automatic protection from overheating



When current temperature goes above drops and remains below 26℃, the standby unit starts operation.

If currnet temperature 26 ℃ for some time, the backup unit stops.

#### **STANDARD INVERTER (R32)**

#### MJ09PC / MJ12PC



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

COMBINATION				9	12
Course its	Cooling	Min. / Rated / Max.	kW	1.50 / 2.50 / 3.20	1.50 / 3.50 / 4.00
Capacity	Heating	Min. / Rated / Max.	kW	1.80 / 3.20 / 3.70	1.80 / 4.00 / 4.40
	Cooling	Min. / Rated / Max.	kW	0.30 / 0.58 / 0.84	0.33 / 0.97 / 1.48
Power Input	Heating	Min. / Rated / Max.	kW	0.30 / 0.71 / 0.85	0.33 / 1.00 / 1.48
	Cooling	Rated	A	2.60	4.40
Running Current	Heating	Rated	A	3.20	4.50
EER / COP			kWh / kWh	4.30 / 4.50	3.60 / 4.00
SEER / SCOP			kWh / kWh	7.00 / 4.00	6.60 / 4.00
	Cooling @ 35°C		kW	2.5	3.5
P Design	Heating @-10°	2	kW	2.8	2.8
Seasonal Energy Label	50	Cooling / Heating	-	A++ / A+	A++ / A+
Annual Energy Consumption		Cooling / Heating	kWh	125/980	186 / 980
Dehumidification Rate			ℓ/h	1.90	1.90
	Cooling	Rated	dB(A)	49	49
ODU Sound Pressure Level	Heating	Rated	dB(A)	52	52
	Cooling	Rated	dB(A)	65	65
ODU Sound Power Level	Heating	Rated	dB(A)	-	-
	Liquid	Outer Dia.	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Piping Connections	Gas	Outer Dia.	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Connections Me	thod		Flare	Flare
	Cooling	Min. / Max.	°C	-15 / 50	-15 / 50
Operation Range (Outdoor)	Heating	Min. / Max.	°C	-20 / 18	-20 / 18
INDOOR				MJ09PC NSJ	MJ12PC NSJ
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input	Min. / Nom. / M	ax.	W	11 / 18 / 30	11 / 19 / 30
Air Flow Rate		H/M/L	m³/min	7.6 / 6.2 / 4.8	8.0 / 6.6 / 5.5
Dimensions	Body	WxHxD	mm	818 x 316 x 189	818 x 316 x 189
	Body		kg (lbs)	8.2 (18.1)	8.2 (18.1)
Weight	Shipping		kg (lbs)	10.2 (22.5)	10.2 (22.5)
Sound Pressure Level	Cooling	H/M/L	dB(A)	36 / 32 / 27	38 / 34 / 29
Sound Power Level	Cooling	Max.	dB(A)	56	56
Piping Connections	Drain	0.D. / I.D.	mm	Ø 21.5 / 16.0	Ø 21.5 / 16.0
OUTDOOR					1 ULO
Power Supply			Ø/V/Hz		240 / 50
Circuit Breaker		Min.	A		5
Power Supply Cable (include	d Earth)		No. x mm <sup>2</sup>	3C x 1.5	
Dimensions	Net	W×H×D	mm		45 x 288
Weight	Net		kg		3.3
Compressor	Туре		-		
···	Туре		-	Twin Rotary R32	
		arming Potential)	-	675	
	Precharged Amo		kg	-	.0
Refrigerant	t-CO2eq.		-	0.675	
Jorano	Control		-		EV
	Additional Char	ing Volume	a/m		0
	Air Flow Rate	Rated	m³/min x No.		-
		m	28 x 1 5.0 / 30.0		
rotat iping congen		ινιιι. / Ινίαλ.		J.07	50.0

#### STANDARD INVERTER (R32)

#### MJ18PC / MJ24PC

UUA1 ULO

LG

(R32)





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

COMBINATION			
Capacity	Cooling	Min. / Rated / Max.	kW
Capacity	Heating	Min. / Rated / Max.	kW
Devues la sut	Cooling	Min. / Rated / Max.	kW
Power Input	Heating	Min. / Rated / Max.	kW
Dunning Current	Cooling	Rated	А
Running Current	Heating	Rated	А
EER / COP			kWh / kWh
SEER / SCOP			kWh / kWh
P Design	Cooling @ 35°C		kW
P Design	Heating @-10°C		kW
Seasonal Energy Label		Cooling / Heating	-
Annual Energy Consumption		Cooling / Heating	kWh
Dehumidification Rate			ℓ/h
ODU Sound Pressure Level	Cooling	Rated	dB(A)
ODO Sound Pressure LeVel	Heating	Rated	dB(A)
ODU Sound Power Level	Cooling	Rated	dB(A)
ODO Sound Power Level	Heating	Rated	dB(A)
	Liquid	Outer Dia.	mm (inch)
Piping Connections	Gas	Outer Dia.	mm (inch)
	Connections Meth	od	
	Cooling	Min. / Max.	°C
Operation Range (Outdoor)	Heating	Min. / Max.	°C
INDOOR			
Power Supply			Ø / V / Hz
Power Input	Min. / Nom. / Max.		W
Air Flow Rate		H/M/L	m³/min
Dimensions	Body	W×H×D	mm
147 · 1 ·	Body		kg (lbs)
Weight	Shipping		kg (lbs)
Sound Pressure Level	Cooling	H/M/L	dB(A)
Sound Power Level	Cooling	Max	dB(A)
Piping Connections	Drain	0.D. / I.D.	mm
OUTDOOR			
Power Supply			Ø/V/Hz
Circuit Breaker		Min	A
Power Supply Cable (include	d Earth)		No, x mm <sup>2</sup>
Dimensions	Net	WxHxD	mm
Weight	Net		ka
Compressor	Туре		-
1	Type		-
	GWP (Global Warr	ning Potential)	-
	Precharged Amour		kg
Refrigerant	t-CO <sub>2</sub> eq.		-
gerane	Control		-
	Additional Chargin	a Volume	q/m
	Air Flow Rate	Rated	m³/min x No.
Total Piping Length	, in How Ruce	Min. / Max.	m
Piping Elevation	IDU-ODU	Max.	m
i iping Lievacion	100-000	IVIAA.	

UUB1 U20 UUC1 U40



18	24
2.00 / 5.00 / 7.00	2.70 / 6.80 / 7.70
2.30 / 5.80 / 6.10	3.00 / 6.90 / 7.24
0.30 / 1.39 / 2.63	0.40 / 2.00 / 2.57
0.30 / 1.71 / 1.96	0.40 / 2.30 / 2.50
6.30	9.10
7.70	10.60
3.61 / 3.40	3.40 / 3.00
6.80 / 4.00	6.70 / 3.90
5.0	6.8
4.1	5.0
A++ / A+	A++ / A
257 / 1,365	355 / 1,795
3.35	3.50
47	48
52	52
63	65
-	-
Ø 6.35 (1/4)	Ø 9.52 (3/8)
Ø 12.7 (1/2)	Ø 15.88 (5/8)
Flare	Flare
-15 / 50	-20 / 50
-20 / 18	-20 / 18
MJ18PC NSK	MJ24PC NSK
1 / 220-240 / 50	1 / 220-240 / 50
26 / 39 / 60	27 / 45 / 60
15.8 / 12.4 / 10.0	16.9 / 12.8 / 10.4
975 x 354 x 209	975 x 354 x 209
10.9 (24.0)	11.5 (25.4)
13.9 (30.6)	14.5 (32.0)
44 / 38 / 34	46 / 41 / 36
59	65
Ø 21.5 / 16.0	Ø 21.5 / 16.0
UUB1 U20	UUC1 U40
1 / 220-240 / 50	1 / 220-240 / 50
20	25
3C x 2.5	3C x 2.5
870 x 650 x 330	950 x 834 x 330
44.5	57.7
Twin Rotary	Twin Rotary
R32	R32
675	675
1.2	1.9
0.810	1.283
EEV	EEV
20	40
50 x 1	58 x 1
5.0 / 35.0	5.0 / 50.0
30	30

#### **STANDARD INVERTER (R32)**

#### **US30F / US36F**

A.





UUD1 U30 UUD3 U30

3Phase

R32

UUC1 U40

COMBINATION Cooling Min. / Rated / Max. kW 3.2 / 8.0 / 9.0 3.8 / 9.5 / 12.5 3.8 / 9.5 / 12.5 Capacity Min. / Rated / Max. kW 3.6 / 9.0 / 10.0 4.3 / 10.8 / 13.4 4.3 / 10.8 / 13.4 Heating Min / Rated / Max kW 050/228/317 030/257/391 030/257/391 Cooling Power Input (Set) Min. / Rated / Max. kW 0.50 / 2.5 / 3.20 0.50 / 2.77 / 3.77 0.50 / 2.77 / 3.77 Heating Rated A 10.1 11.4 4.1 Cooling **Running Current** А 11.1 12.2 4.4 Heating Rated EER / COP kWh / kWh 3.51 / 3.60 3.70 / 3.90 3.70 / 3.90 SEER / SCOP kWh / kWh 7.0 / 4.3 6.10 / 3.85 6.10 / 3.85 Cooling @ 35°C kW 8 9.5 9.5 Pdesign 5.4 8.7 8.7 Heating @ -10°C kW Seasonal Energy Label Cooling / Heating A++ / A+ A++ / A -A++ / A Annual Energy Consumption Cooling / Heating kWh 400 / 1,758 545 / 3,164 545 / 3,164 Dehumidification Rate l/h 2.9 3.8 3.8 50/52 ODU Sound Pressure Level Cooling / Heating Rated dB(A) 50/50 50 / 50 ODU Sound Power Level Cooling Rated dB(A) 68 66 66 Ø9.52 (3/8) Ø9.52 (3/8) Ø9.52 (3/8) Liquid mm (inch) **Piping Connections** Gas mm (inch) Ø15.88 (5/8) Ø15.88 (5/8) Ø15.88 (5/8) Connections Method Flared Flared Flared Cooling Min / Max °C -20 ~ 50 -20 ~ 52 -20 ~ 52 **Operation Range** (Outdoor) Min. / Max. -20 ~ 18 -25 ~ 18 -25 ~ 18 Heating °C INDOOR US30F NR0 US36F NR0 US36F NR0 Ø/V/Hz 1 / 220-240 / 50 1 / 220-240 / 50 1 / 220-240 / 50 Power Supply 65/47/42 Power Input (IDU) H/M/L W 47 / 42 / 36 65/47/42 Air Flow Rate H/M/L m3/min 21/17/13 25/21/17 25/21/17 Dimensions Body WxHxD mm 1,200 x 360 x 265 1,200 x 360 x 265 1,200 x 360 x 265 Weight Body kg 18.3 18.3 18.3 51.0 / 46.0 / 42.0 46.0 / 42.0 / 38.0 51.0 / 46.0 / 42.0 Sound Pressure Level Cooling H/M/L dB(A) Cooling Max dB(A) 62 65 65 Sound Power Level **Piping Connections** 0.D. / I.D. Ø21.5 / 16.0 Ø21.5 / 16.0 Ø21.5 / 16.0 Drain mm OUTDOOR UUC1 U40 UUD1 U30 UUD3 U30 3/380-415/50 1 / 220-240 / 50 1 / 220-240 / 50 Power Supply Ø/V/Hz Min. А 25 40 20 Circuit Breaker 5C x 2.5 Power Supply Cable (Included Earth) No x mm<sup>3</sup> 3C x 2.5 3C x 6.0 WxHxD 950 x 834 x 330 950 x 1,380 x 330 950 x 1,380 x 330 Dimensions Net mm Weight Net kg 57.7 85 85 Compressor Туре -Twin Rotary Inverter Scro Inverter Scroll Туре R32 R32 R32 675 675 675 GWP (Global Warming Potential) -3.0 Refrigerant Precharged Amount kg 1.9 3.0 2.025 t-CO₂eq 1.283 2.025 -Additional Charge (After 7.5m) 40 40 40 q/m Air Flow Rate Rated m³/min x No. 58 x 1 55 x 2 55 x 2 Fan Total Piping Length Min. / Max. m 5/50 5/85 5/85 30 30 30 **Piping Elevation** IDU - ODU Max. m

Note :

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB

- Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Om.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

4. This product contains fluorinated greenhouse gases. (R32)

#### **COMPACT INVERTER (R32)**

#### **US30F / US36F**



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

			_
COMBINATION			_
Capacity	Cooling	Min. / Rated / Max.	kW
	Heating	Min. / Rated / Max.	
Power Input (Set)	Cooling	Min. / Rated / Max.	kW
rower input (oct)	Heating	Min. / Rated / Max.	kW
Running Current	Cooling	Rated	А
Running Currenc	Heating	Rated	A
EER / COP			kWh / kWh
SEER / SCOP			kWh / kWh
Pdesign	Cooling @ 35°C		kW
ruesign	Heating @ -10°C		kW
Seasonal Energy Label	Cooling / Heating		-
Annual Energy Consumption	Cooling / Heating		kWh
Dehumidification Rate			l/h
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)
ODU Sound Power Level	Cooling	Rated	dB(A)
	Liquid		mm (inch)
Piping Connections	Gas		mm (inch)
	Connections Meth	od	-
Operation Range	Cooling	Min. / Max.	°C
(Outdoor)	Heating	Min. / Max.	°C
INDOOR			
Power Supply			Ø / V / Hz
Power Input (IDU)		H/M/L	W
Air Flow Rate		H/M/L	m3/min
Dimensions	Body	W×H×D	mm
Weight	Body		kg
Sound Pressure Level	Cooling	H/M/L	dB(A)
Sound Power Level	Cooling	Max.	dB(A)
Piping Connections	Drain	O.D. / I.D.	mm
OUTDOOR			
Power Supply			Ø / V / Hz
Circuit Breaker		Min.	А
Power Supply Cable (Included	d Earth)		No x mm <sup>3</sup>
Dimensions	Net	WxHxD	mm
Weight	Net		kg
Compressor	Туре		-
	Туре		-
	GWP (Global Warr	ning Potential)	-
Refrigerant	Precharged Amount		kg
<b>J</b>	t-CO <sub>2</sub> eq		-
	Additional Charge	(After 7.5m)	g/m
Fan	Air Flow Rate	Rated	m³/min x No.
Total Piping Length	. a now nucc	Min. / Max.	m
Piping Elevation	IDU - ODU	Max.	m
riping Lievation	100-000	Wax.	

Note

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Om.

values are normally higher in actual operation.

4. This product contains fluorinated greenhouse gases. (R32)

UUB1 U20

UUC1 U40



30	36
3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.6
3.1 / 7.7 / 8.5	4.3 / 10.8 / 11.5
0.50 / 2.31 / 2.77	0.60 / 3.06 / 3.67
0.40 / 2.14 / 2.78	0.60 / 3.0 / 3.72
10.1	13.6
9.3	13.3
3.25 / 3.60	3.10 / 3.60
6.8 / 4.1	6.4 / 4.1
7.5	9.5
4.3	5.8
A++ / A+	A++ / A+
386 / 1,468	520 / 1,980
3.0	3.5
50 / 54	54 / 56
67	70
Ø9.52 (3/8)	Ø9.52 (3/8)
Ø15.88 (5/8)	Ø15.88 (5/8)
Flared	Flared
-10 ~ 48	-20 ~ 50
-15 ~ 18	-15 ~ 18
US30F NR0	US36F NR0
1 / 220-240 / 50	1 / 220-240 / 50
47 / 42 / 36	65 / 47 / 42
21 / 17 / 13	25 / 21 / 17
1,200 x 360 x 265	1,200 x 360 x 265
18.3	18.3
46.0 / 42.0 / 38.0	51.0 / 46.0 / 42.0
62	65
Ø21.5 / 16.0	Ø21.5 / 16.0
UUB1 U20	UUC1 U40
1 / 220-240 / 50	1 / 220-240 / 50
20	25
3C x 2.5	3C x 2.5
870 x 650 x 330	950 x 834 x 330
44.5	57.7
Twin Rotary	Twin Rotary
R32	R32
675	675
1.2	1.9
0.81	1.283
40	40
50 x 1	58 x 1
5 / 35	5 / 50
30	30

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and

ACCESSORIES

# COMMERCIAL

C LG

ок > Ф

Overall Air Quality Good PM 10 PM 2.5 PM 1.0

1

Bac

13 10 8

SINGLE SPLIT

# ACCESSORIES



# LG Wi-Fi Modem

Control conditioners by using internet devices such as Android or iOS smartphones.



#### PWFMDD200

#### Features

- A user can enjoy anytime, anywhere access with Wi-Fi equipped device through ThinQ mobile app.
- This allows the user to access the unit remotely to switch unit on or off before or after leaving the vicinity.
- LG's exclusive Home Appliances control app (ThinQ) is available.
- Simple operation for various functions.
- On / Off
- Reservation (Sleep, Weekly On / Off)
  Energy Monitoring<sup>2)</sup>
- Operation Mode Current / Set Temperature
  - ire Filter Management
  - Error Check
- Fan Speed - Vane Control <sup>1)</sup>
- Air Purify <sup>3)</sup>

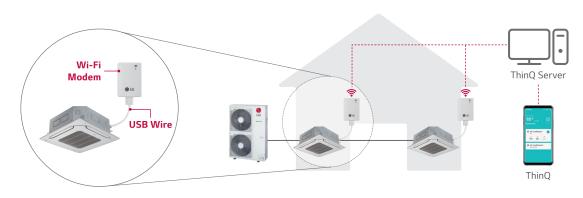
Model Name	PWFMDD200
Size (W x H x D, mm)	48 x 68 x 14
Interfaceable Products	System Air Conditioner <sup>3)</sup>
Connection Type	Indoor unit 1:1
Communication Frequency	2.4 GHz
Wireless Standards	IEEE 802.11b/g/n
Mobile Application	ThinQ (Android v4.1(Jellybean) or higher, iPhone iOS 9.0 or higher)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

Note : 1. Functionality may be different according to each IDU model.

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



#### Overview



% Search "ThinQ" on Google market or Appstore then download the app.

% Internet service with Wi-Fi connection has to be available.

\* For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

# **Standard Wired Remote Controller**





Standard II PREMTB001



PREMTBB01

Model Name	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01
Operation Mode	On / Off, Fan S Temperatu	Speed Control, Ire Setting
Mode Change	Cooling, Heating, Auto	, Dehumidification, Fan
Auto Swing / Vane Control	٠	•
Reservation	Reservation Simple, Sleep, On / Off, Weekly, Hol	
Time Display	•	•
Electrical Failure Compensation	٠	٠
Child Lock	٠	٠
Operation Status LED	٠	•
Indoor Temperature Display	٠	•
Wireless Remote Controller Receiver	-	٠
Size (W x H x D, mm)	120 x 120 x 16	120 x 121 x 16
Backlight	٠	٠

\* Refer to each model PDB for applicable models.

### **Remote Controller**



PWLSSB21H

## **PI 485**



PMNFP14A1

Power : Single phase AC 220V 50/60Hz Max. no of the indoor units that can be connected : 64 UNITS Model applied : RAC / Multi / Single / Therma V

% Refer to each product PDB for applicable models.

# **Dry Contact**







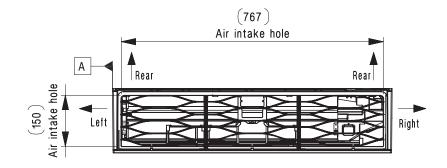
% Refer to each product PDB for applicable models.

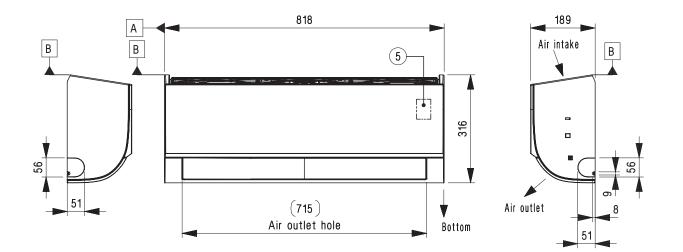
Model	PDRYCB000	PDRYCB400	PDRYCB320	PDRYCB500
Contact Point	1 Control Point	2 Control Point	8 Control Point	Modbus RTU
Power Input	AC 220V from outside power source	DC 5V & 12V from indoor unit PCB	DC 5V & 12V from indoor unit PCB	DC 5V & 12 V from indoor unit PDB
Voltage / Non Voltage Input	-	٠	٠	-
On / Off Control	٠	٠	•	•
Lock / Unlock	٠	٠	٠	
Fan Speed Setting	-	-	•	•
Thermo Off	-	٠	•	-
Energy Saving	-	٠	-	-
Temperature Setting	-	٠	•	•
Error Monitoring	٠	٠	٠	•
Operation Monitoring	٠	٠	٠	٠

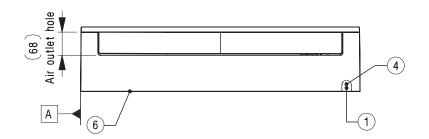
#### MJ09PC NSJ / MJ12PC NSJ

(Unit : mm)

	PART NAME
1	Refrigerant / Drain Pipe and Cabel Routing Hole
2	Installation Plate
3	Drain Hose Connection
4	Terminal Block for Power Supply Communication
5	Display & Remote Controller Signal Receiver
6	Decoration Cover







WALL MOUNTED

#### STANDARD INVERTER (R32) MJ18PC NSJ / MJ24PC NSJ

#### (Unit : mm)

1-

60

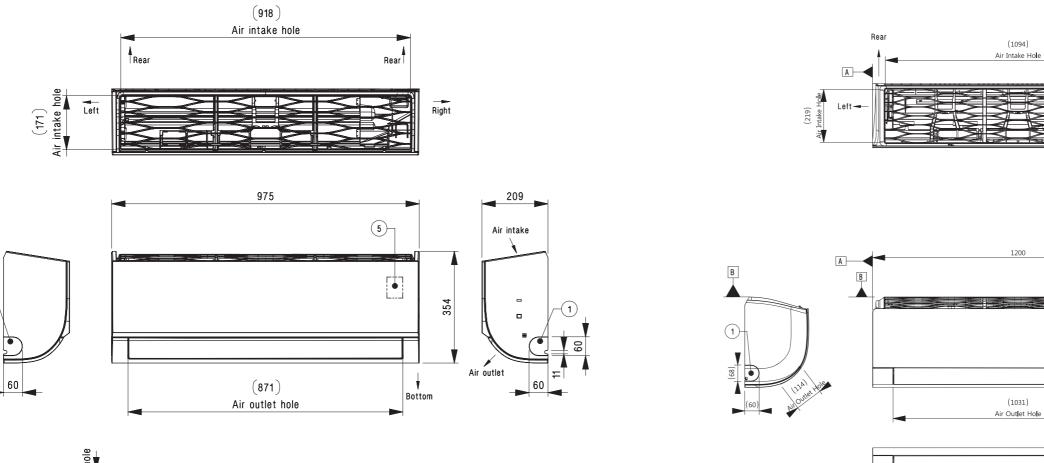
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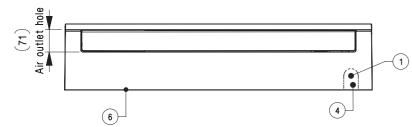
	PART NAME
1	Refrigerant / Drain Pipe and Cabel Routing Hole
2	Installation Plate
3	Drain Hose Connection
4	Terminal Block for Power Supply Communication
5	Display & Remote Controller Signal Receiver
6	Decoration Cover

#### US30F NR0 / US36F NR0

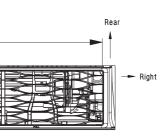
(Unit : mm)	
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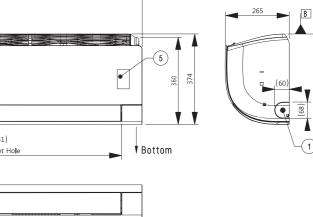
	PART NAME
1	Refrigerant / Drain Pipe and Cabel Routing Hole
2	Installation Plate
3	Drain Hose Connection
4	Terminal Block for Power Supply Communication
5	Display & Remote Controller Signal Receiver
6	Decoration Cover

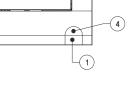












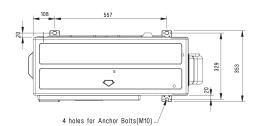
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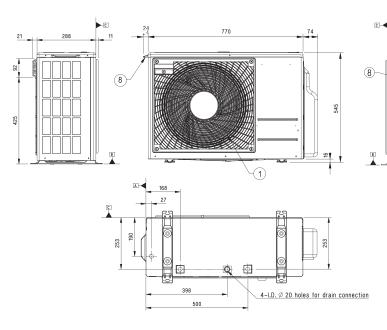
#### UUA1 ULO

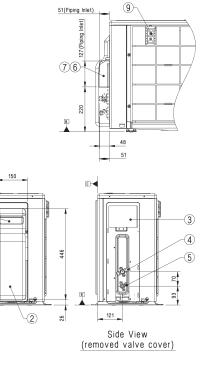
(Unit : mm)

	PART NAME
1	Air Outlet
2	Control Cover & SVC Valve Cover
3	Power and Communication Cable Connection
4	Gas Pipe Connection
5	Liquid Pipe Connection
6	Power and Communication Cable Routing hole
7	Refrigerant Pipe Routing Hole
8	Handle
9	Intake Air Temperature Sensor Cover





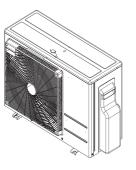




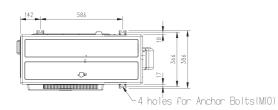
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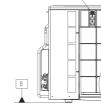
(Unit : mm)

	PART NAME
1	Air Outlet
2	Control Cover & SVC Valve Cover
3	Power and Communication Cable Connection
4	Gas Pipe Connection
5	Liquid Pipe Connection
6	Handle
7	Intake Air Temperature Sensor Cover



3D View

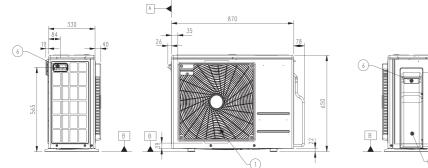




В

166 192

Side View (removed valve cover)









UUC1 U40

(Unit : mm)		
	PART NAME	
1	Air Outlet	
2	Power and Communication Cable Hole	
3	Gas Pipe Connection	

4 Liquid Pipe Connection 5 Handle

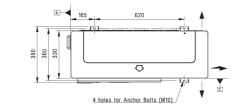
6 Pipe Routing Hole (Front) 7 Pipe Routing Hole (Side)

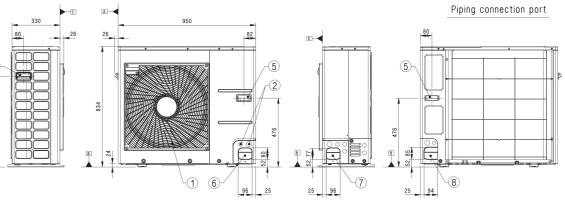
8 Pipe Routing Hole (Back)

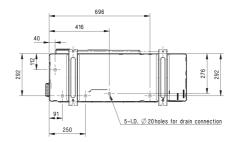
(5)





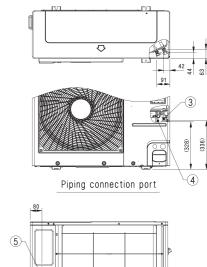








SINGLE SPLIT

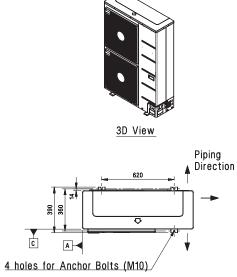


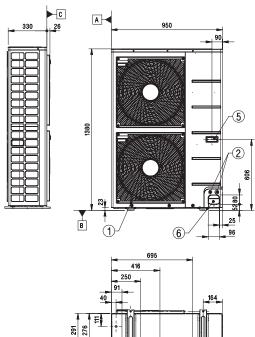
#### STANDARD INVERTER (R32)

#### UUD1 U30 / UUD3 U30

(Unit : mm)

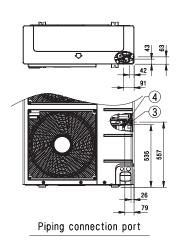
PART NAME
Air Outlet
Power and Communication Cable Hole
Gas Pipe Connection
Liquid Pipe Connection
Handle
Pipe Routing Hole (Front)
Pipe Routing Hole (Side)
Pipe Routing Hole (Back)



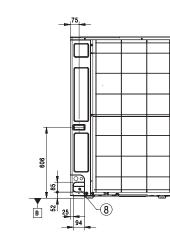


5-I.D.  $\emptyset$  20 holes for drain connection

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A



C-

B 26

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