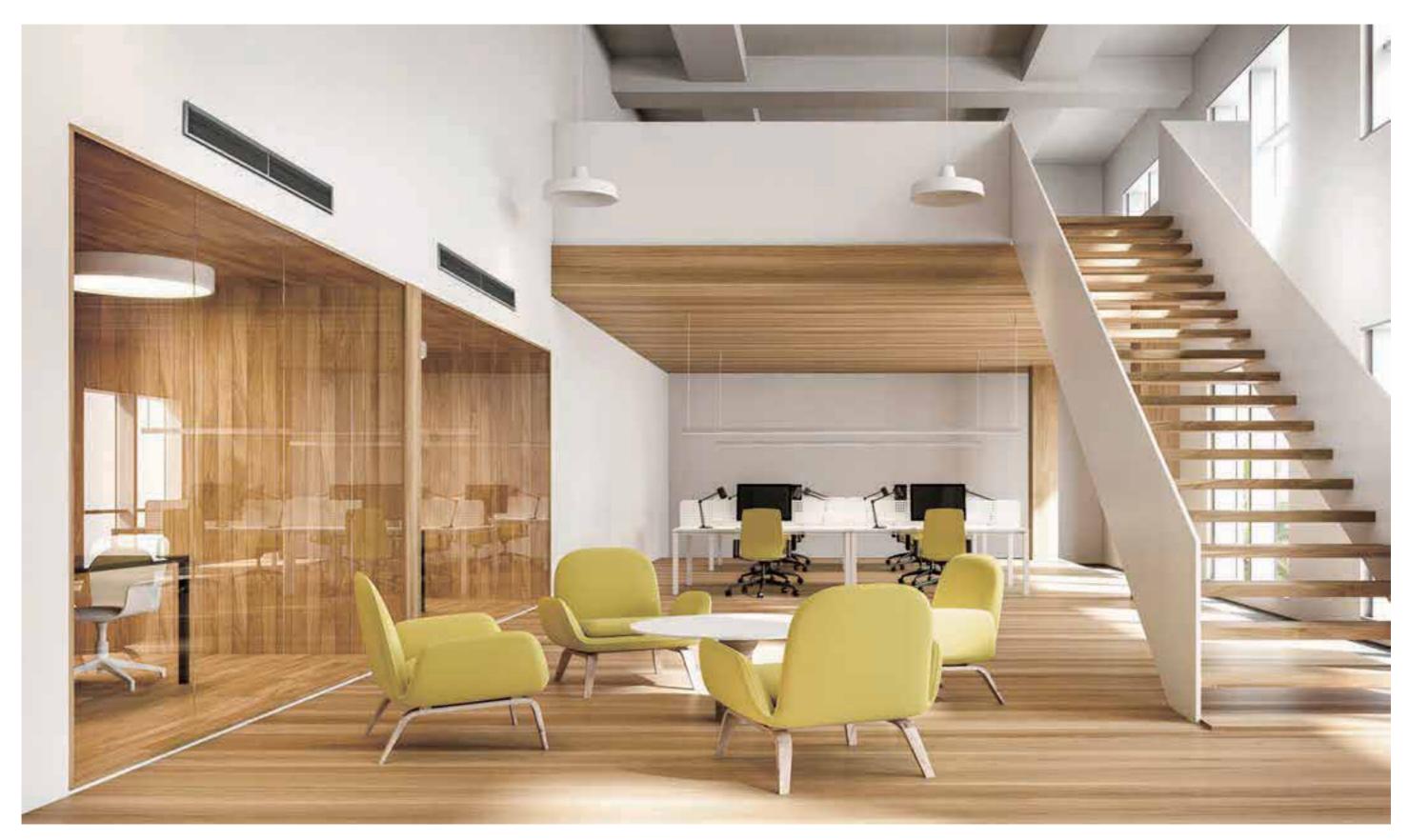
# **SINGLE SPLIT**



**FEATURE OVERVIEW** 

**FEATURE OVERVIEW** 

	Standby Mode	•	•	•	•	•	•	•	•	•			Standby Mode
	Comfort Cooling with Humidity sensor**			•	•	•	•	•	•	•			Comfort Cooling wit Humidity sensor**
Comfort Environment	Night Silent Operation			•	•	•	•	•	•	•	-	Comfort Environment	Night Silent Operation
	Continuous Cooling Operation	•	•	•	•	•	•	•	•	•			Continuous Cooling Operation
High Performance	Quick & Reliable Operation	•	•	•	•	•	•	•	•	•			Quick & Reliable Operation
	R1 Compressor						•	•	•	•		High Performance	R1 Compressor
& Reliability	Corrosion resistance Black Fin	•	•	•	•	•	•	•	•	•		& Reliability	Corrosion Resistance Black Fin
	Long Pipe Installation	•	•	•	•	•	•	•	•	•	-		Long Pipe Installation
	LG ThinQ***	•	•	•	•	•	•	•	•	•			LG ThinQ***
	Easy Control (PI-485 Connection)	•	•	•	•	•	•	•	•	•	-		Easy Control (PI-485 Connection
Convenient	1 Point External Input****	•	•	•	•	•	•	•	•	•		Convenient	1 Point External Input****
Control System	Forced Cooling Operation		-	•	•	•	•	•	•	•	-	Control System	Forced Cooling Operation
	Mobile LG MV	•	•	•	•	•	•	•	•	•	-		Mobile LG MV
	Weekly Program****	•	•	•	•	•	•	•	•	•			Weekly Program****
Enhanced	Synchro function											Enhanced	Synchro Function
Application	Connection with AHU			•	•	•	•	•	•	•		Application	Connection with AHU
** Available only for	EMTB001 / PREMTBB01 Ceiling Mounted cassette	e (840 x 84	0), Ceiling Su	ispended, Co									EMTB001 / PREMTBE Ceiling Mounted cass
*** Available with LO	G Wi-Fi modem(PWFMDD	0200) and i	t should be c	onnected to	the indoor ur	nit.						*** Available with L0	G Wi-Fi modem(PWFN

CATEGORY				ST	ANDAR	D INVER	RTER (R	32)			сом	PACT IN	VERTER	(R32)
kBtu/h		9	12	18	24	30	36	42	48	60	18	24	30	36
kW		2.5	3.4	5.0	6.8	8.0	9.5	12.0	13.4	14.6	5.0	6.8	8.0	9.5
	BLDC Comp & Fan Motor	•	•	•	•	•	•	•	•	•	•	•	•	•
	Eurovent Certi.	•	•	•	•	•	•	•	•	•	•	•	•	•
	High Level SEER / SCOP	•	•	•	•	•	•	•	•	•	•	•	•	•
	Variable Voltage Control	•	•	•	•	•	•	•	•	•	•	•	•	•
Supreme	Wide Louver Fin	•	•	•	•	•	•	•	•	•	•	•	•	•
Energy Efficiency	Optimised Heat Exchanger Path			•	•	•	•	•	•	•		•	•	•
	Power Saving Start up	•	•	•	•	•	•	•	•	•	•	•	•	•
	Peak Current Control			•	•	•	•	•	•	•		•	•	•
	Mode Lock	•*	•*	•	•	•	•	•	•	•	•*	•	•	•
	Standby Mode	•	•	•	•	•	•	•	•	•	•	•	•	•
	Comfort Cooling with Humidity sensor**	•	•	•	•	•	•	•	•	•	•	•	•	•
Comfort Environment	Night Silent Operation			•	•	•	•	•	•	•		•	•	•
	Continuous Cooling Operation	•	•	•	•	•	•	•	•	•				
	Quick & Reliable Operation	•	•	•	•	•	•	•	•	•	•	•	•	•
High Performance	R1 Compressor						•	•	•	•				
& Reliability	Corrosion Resistance Black Fin	•	•	•	•	•	•	•	•	•	•	•	•	•
	Long Pipe Installation	•	•	•	•	•	•	•	•	•	•	•	•	•
	LG ThinQ***	•	•	•	•	•	•	•	•	•	•	•	•	•
	Easy Control (PI-485 Connection)	•	•	•	•	•	•	•	•	•	•	•	•	•
Convenient	1 Point External Input****	•	•	•	•	•	•	•	•	•	•	•	•	•
Control System	Forced Cooling Operation			•	•	•	•	•	•	•		•	•	•
	Mobile LG MV	•	•	•	•	•	•	•	•	•	•	•	•	•
	Weekly Program****	•	•	•	•	•	•	•	•	•	•	•	•	•
Enhanced	Synchro Function						•	•	•	•				
Application	Connection with AHU			•	•	•	•	•	•	•		•	•	•

TBB01 / PREMTB100 / PREMTBB10

<sup>\*\*\*\*</sup> Available except for Wall Mounted Unit.

<sup>\*\*\*\*\*</sup> Weekly program is available with wired remote controller.

ssette (840 x 840), Ceiling Suspended, Console models.

em(PWFMDD200) and it should be connected to the indoor unit.

<sup>\*\*\*\*</sup> Available except for Wall Mounted Unit.

<sup>\*\*\*\*\*</sup> Weekly program is available with wired remote controller.

**SPLIT** 

# **Triple Line-up for On-site Customization**

Customer has various options to select suitable model as desired condition.

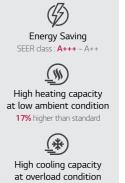


Line-up	Description	<b>9k</b> 1 <b>2k</b> (2.5kW) (3.4kW)	<b>18k</b> (5.0kW)	24k (6.8kW) (8.0kW)	36k 42k 48k 60k (9.5kW) (12.0kW) (13.4kW) (14.6kW)
H-INVERTER (R32) SEER A*** ~ A**	High Performance - Suitable for high quality functions - Maximum pipe length up to 85m * - Floor Detection Sensor (Default) - Wide Cooling operation range (-20°C ~ 52°C) & 100% Capacity at 48°C * - Wide Heating operation range (-25°C ~ 18°C) & 100% Capacity at -15°C *	UUA1	UUB1	UUC1	UUD1/3
STANDARD INVERTER (R32) SEER	Wide Commercial Applications - Suitable for wide commercial applications - Maximum pipe length up to 85m* - Synchro Function over 36k Model (Max. 4 IDUs) - Wi-Fi Modem and Floor Detection Sensor (Option) - Wide Cooling operation range (-20°C ~ 52°C)* - Wide Heating operation range (-25°C ~ 18°C)*	UUA1	UUB1	UUC1	UUD1/3
COMPACT INVERTER (R32) SEER A** ~ A	Compact & Cost Effective  - Suitable for busy environments and small shops  - Very compact and easy to install  - Maximum pipe length up to 50m*  - Wi-Fi Modem and Floor Detection Sensor (Option)  - Cooling operation range (-20°C ~ 50°C)*  - Heating operation range (-15°C ~ 18°C)*		UUA1	UUB1	UUC1

<sup>\*</sup> This specification can be different as per each model or combination.

#### H-Inverter: High Performance with lower energy consumption

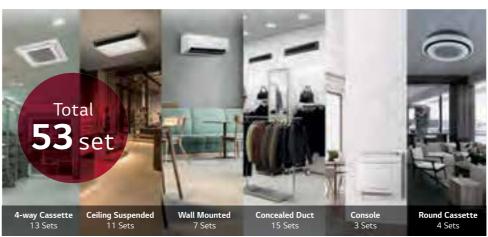




\* This specification can be different as per each model or combination.

7% higher than standard

#### Standard: Wide Application with diverse design range



\* This specification can be different as per each model or combination.

#### 0 Flexible Installation Max. pipe length up to 85m\* 11||||| Wide Operation Range Cooling (DB): -20 ~ 52 °C\* Heating (WB): -25 ~ 18 °C\* Energy Saving SEER class : **A+++** ~ A++

#### Compact: Maximize Space Utilization with Compact Size





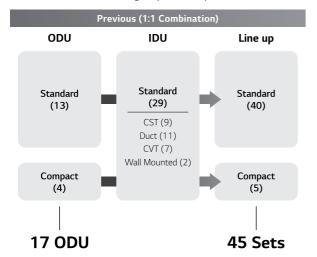
SINGLE SPLIT WHY LG SINGLE SPLIT 154 I 155

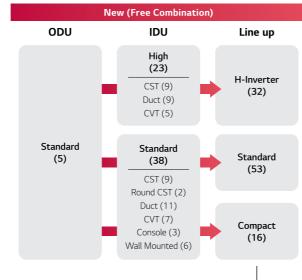
<sup>\*</sup> This specification can be different as per each model or combination.

**SPLIT** 

#### **Free Combination**

Enables to increase LG Single Split Line-up from 45 sets to 101 sets with only 5 outdoor units.





Сар	acity	(Btu

101 Sets

Line-up	9k	12k	18k	24k	30k	36k	42k	48k	60k	
H-Inverter		Λ1	UUB1		IC1		UU	D1		
Standard	UUA1		ООВТ	UUC1		UUD3				
Compact			UUA1	UU	IB1	UUC1				

# **Differentiated Specification**

LG Single split provide differentiated features (Performance / Installation / Convenience) by each product line.

		H-INVERTER	STANDARD	COMPACT	
Items		High Performance	Wide commercial applications	Compact & Cost Effective	19Y Standard (R32)
	SEER Class	A+++ ~ A+	A++ ~ A+	A++ ~ A	A++ ~ A+
	Cooling Capacity* @48°C	112%	105%	88%	100%
Performance	Heating Capacity* @-15°C	124%	107%	98%	100%
	Operation Range* (Cooling, DB)	-20 ~	50 ℃	-10 ~ 48 °C	-15 ~ 48 °C
	Operation Range* (Heating, WB)	-20 ~	18 °C	-15 ~ 18 °C	-18 ~ 18 °C
	Max. Pipe Length*	50	) m	35 m	50 m
Installation	Cooling Capacity* @50m	113%	109%	-	100%
IIIStallation	Drain Pump (Cassette)	•	•	•	•
	Drain Pump (Mid-static Duct)	•	Accessory	Accessory	Accessory
	Humidity Control				
	(Cassette, Suspended, Console)	•		•	•
Convenience	Wi-Fi (cassette)	Accessory	Accessory	Accessory	Accessory
Convenience	Floor Detection (cassette)	Accessory	Accessory	Accessory	N/A
	Air purifying (cassette)	Accessory	Accessory	Accessory	N/A
	Human detection (cassette)	Accessory	Accessory	Accessory	Accessory
Others	Synchro Application	N/A	36k ↑	N/A	36k ↑
Others	AHU Comm. Kit Application	18k ↑	18k ↑	24k ↑	18k ↑

<sup>\*\*</sup> Based on internal test data for 6.8kW model. (compared to 19Y standard model)

# **Expanded Product Type**

LG Single split expands from double to triple line-up including various types of indoor units.

	kW			2.5	3.4	5	6.8	8	9.5	12	13.4	14.6
	kBtu/h			9	12	18	24	30	36	42	48	60
	Outdoo	Outdoor Units		UUA1		UUB1		JC1		UUD1 UUD3		
			•			Q*	Q		0			
						UUA1	UL	JB1	UUC1			
			•	•	•	•	•	•	•	•	•	•
	<		•	•	•	•	•	•	•	•	•	•
	Ceiling Mour	nted Cassette	•			•	•	•	•			
	R	ound Cassette	•						•		•	
			•		•	•	•	•	•	•	•	
		Mid Static	•			•	•	•	•	•	•	•
Single Split	Ceiling Concealed	mia static	•			•	•	•	•			
	Duct		•		•	•						
		Low Static	•	•	•	•	•					
		Low Static	•			•	•					
			•			•	•	•	•	•		
			•			•	•	•	•	•	•	•
	Ceiling Suspended  Console		•			•	•	•	•			
			•	•	•	•						
			•	•	•	•	•	•	•			
	Wall M	lounted	•					•	•			

<sup>●</sup> H-Inverter / ● Standard / ● Compact

SINGLE SPLIT WHY LG SINGLE SPLIT

<sup>\*\*</sup> This specification can be different as per each model or combination.

S

m

# **Premium Solution for Retail Ceiling Cassette**



#### Maximizing Business, **Minimizing Cost**

#### **Premium Design & Customer Oriented Functions**

- Premium interior with brighter (white) panel suit your shop
- Customer oriented functions with intelligent functions (Direct/Indirect Mode)
- · Uniform space cooling & heating by power cooling & heating mode

#### **Energy Savings**

- · Low operation cost by High SEER products
- · Adjust evaporating temperature by dual sensing (Humidity + Temperature)
- · Various energy saving solutions (scheduling, energy monitoring and interlocking)
- · Real-time energy monitoring

#### **Ease of Operation and Maintenance**

- · Convenient control via smartphone
- · Intuitive wired remote controller

### **Customized Solution for Office Ceiling Cassette**

#### Supporting Efficiency with Fresh and Comfort Air

#### **Comfortable Office Environment**

- Human oriented air flow (Direct/Indirect/Refresh mode)
- Foot thermal comfort by floor temperature detection
- Powerful performance by power cooling & heating mode
- High ceiling operation such as lobbies and reception areas (Max. 5m)

#### **Energy Savings**

- · Adjust evaporating temperature by dual sensing
- Low operation cost with High SEER products
- Auto on/off operation by human detection
- LG's smart central controller provides a variety of energy saving solutions (scheduling, interlocking, peak control and energy navigation)

#### **Ease of Operation and Maintenance**

- Convenient control via smartphone
- · Easy maintenance by elevation grille
- · Convenient diagnosis by black box function



# Comfort Solution for Residential Ceiling Concealed Duct



#### Creating a Comfortable Home with Low Cost

#### Simple & low cost Installation for Entire House

- Cooling or heating for several rooms with one set of Ceiling Concealed Duct
- Easy control of air volume for each rooms by zone controller accessory
- Flexible installation by ESP\* control

#### **Energy Savings**

- · Low operation cost with High SEER product
- · Various energy saving solutions (scheduling, energy monitoring and interlocking)

#### **Ease of Operation**

- · Anytime, anywhere control via smartphone
- · Intuitive wired remote controller

### **Optimized Solution for Technical Wall Mounted**

#### **Reliable and Efficient Technical Cooling**

#### Reliability

- Continuous cooling operation at -20 ~ 52°C\*
- Quick & Reliable operation with temperature & pressure control
- Round-the-clock cooling (24h, 365 days)
- Power cooling mode for peak time
- Duty operation via server room controller

#### **Energy Savings**

- · Low operation cost by High SEER product
- · Real-time energy monitoring

#### **Ease of Operation and Maintenance**

- Convenient control via remote controller or centralized control
- Immediate diagnosis via mobile LGMV
- · Accurate diagnosis via black box function



SINGLE SPLIT WHY LG SINGLE SPLIT 158 I 159

#### SEER / SCOP

LG's advanced technologies achieve world-class energy efficiency.



#### SEER / SCOP class

k	W	2.5	3.4	5.0	6.8	8.0	9.5	Average
C		7.0	6.8	7.6	8.5	7.8	7.6	7.6
51	ER	A++	A++	A++	A+++	A++	A++	A++
	OP.	4.0	4.0	4.4	4.8	4.8	4.5	4.4
	.0P	A+	A+	A+	A++	A++	A+	A+

 $\divideontimes$  These values are based in the H-Inverter Ceiling Cassette model and can change based on the applied combination.

#### **European Energy Labeling**

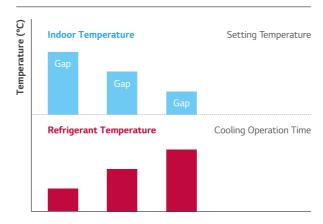
	SEER	SCOP
A+++	SEER ≥ 8.5	SCOP 5.1
A++	6.1 ≤ SEER < 8.5	4.6 ≤ SCOP < 5.1
A+	5.6 ≤ SEER < 6.1	4.0 ≤ SCOP < 4.6
Α	5.1 ≤ SEER < 5.6	3.4 ≤ SCOP < 4.0
В	4.6 ≤ SEER < 5.1	3.1 ≤ SCOP < 3.4
С	4.1 ≤ SEER < 4.6	2.8 ≤ SCOP < 3.1
D	3.6 ≤ SEER < 4.1	2.5 ≤ SCOP 2.8

Based on Ceiling Cassette (6.8 kW)

#### **Energy Savings**

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 allows for enhanced comfort and reduced energy consumption.

#### Comfortable Indoor Air



#### **Energy Saving**

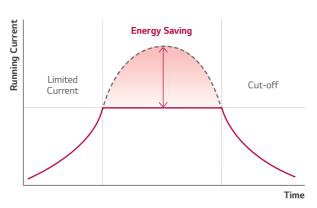


#### Refrigerant Temperature (Condensing)



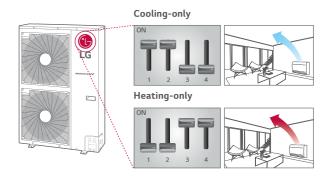
#### **Peak Current Control**

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.



#### **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)



SINGLE SPLIT FEATURES

# SUPREME ENERG

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**FFICIENCY** 

Night Silent Operation can reduce noise levels at night time by simply setting the dip switch on the PCB of the outdoor unit.



# COMFORTABLE П NVIRONMENT

# **Night Silent Operation**

With Dual Sensing Control, air conditioners can rapidly achieve a comfortable indoor environment for customers.

**Comfort with Temperature & Humidity Sensors** 



DUAL **SENSING** 

By sensing both temperature and humidity, this feature helps avoid over-cooling and dehumidification, maximizing comfort



- $\ensuremath{\ensuremath{\%}}$  Comfort cooling apply to Ceiling Cassette, Ceiling
- It does not apply to small capacity cassette models. (UT09FH, UT12FH, CT09F, CT12F, CT18F)

#### **Dry Summer**

During a dry summer season, the system senses the low humidity levels and decreases the operating ratio to increase humidity for a more comfortable environment and energy efficient operation.



LG Single Split

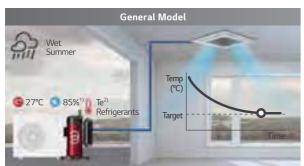
- Uncomfortable Environment
- Excessive latent heat elimination regardless of humidity
- Waste Energy

Eliminate latent heat unnecessarily

- ※ Humidity Condition: Low (<30%), Standard (30~70%)
  </p> 1) Indoor Condition 2) Evaporation Temperature
- Comfortable Environment By making the room less dry
- Increased Energy Efficiency
- Provide optimized cooling and save energy considering humidity

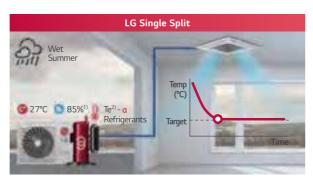
#### Wet Summer

During a wet summer season, the system senses the high humidity levels and increases the operating ratio to rapidly decrease humidity for a more comfortable indoor environment



General latent heat elimination regardless of humidity

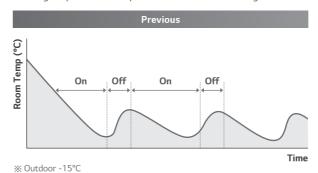
1) Indoor Condition 2) Evaporation Temperature



Quick latent heat elimination with humidity sensors

# **Continuous Cooling Operation**

LG Single Split is able to perform continuous cooling at low ambient temperature. (as low as -15°C)









\* Based on a stand 36k model. (before 2019)

\* Based on a stand 36k model. (after 2019)

※ Outdoor -20°C

SINGLE SPLIT FEATURES 162 I 163

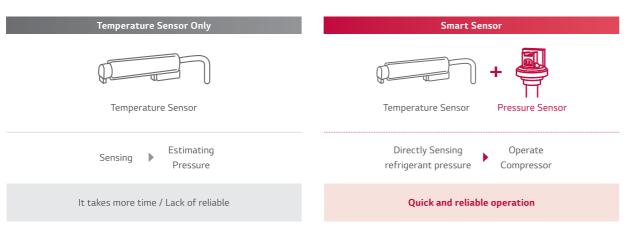
RE

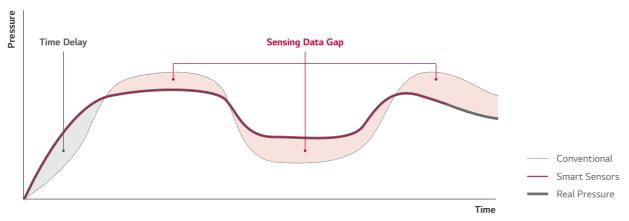
LIABILITY

# **Quick & Reliable Operation**

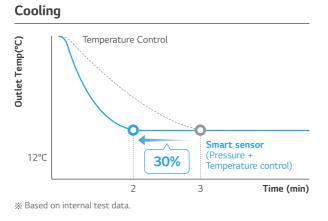
Through pressure and temperature sensing, the desired indoor temperature can be reached more rapidly.

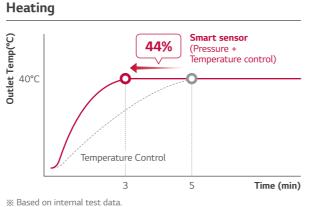
- Quick response due to sensing with ready for operation.
- Target performance point is reached while avoiding compressor damage from liquid compression or oil shortage.





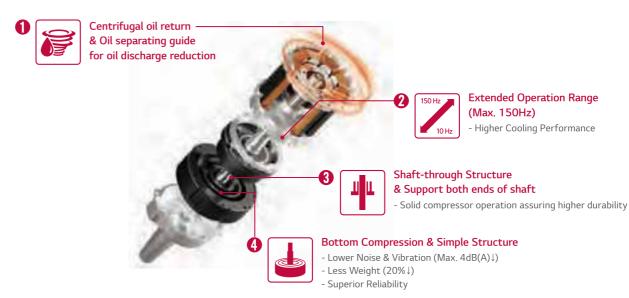
· With pressure sensing, the desired temperature is achieved in 30% less time in cooling and 44% in heating.





# R1Compressor™

R1 Compressor is one that combines high-efficiency, low sound characteristics of the scroll and the simple compressing structure of the rotary compressor. This technology enables a highly efficient compact model.





Extended operation (Max. 150Hz) Low noise & Vibration (Max. 4dB(A)↓) Less weight (20%↓)

SINGLE SPLIT FEATURES 164 I 165

HIGH PE

RFORMANC

П

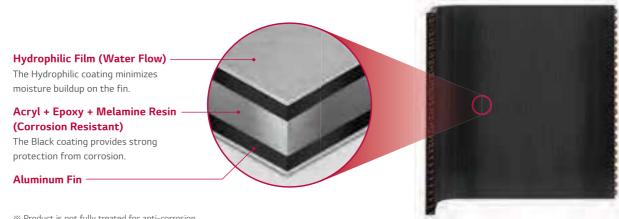
RE

LIABILITY

### **Corrosion Resistance Black Fin**

The black coating with enhanced epoxy resin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution including fumes from factories.

#### Longer Lifespan, Lower Maintenance Costs

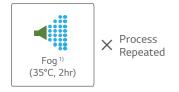


\* Product is not fully treated for anti-corrosion.

To install near the sea, additional treatment must be required.

#### SST (Salt Spray Test)

#### Test Process



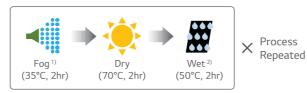
Test process is conducted according to ISO 9227. 1) Salty water concentration: NaCl aqueous solution (5%)

#### Test Result (5% Area of defects compared to initial)



#### **CCT (Cyclic Corrosion Test)**

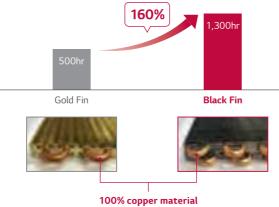
#### **Test Process**



Test process is conducted according to ISO 14933.

- 1) Salty water concentration : NaCl aqueous solution (5%)

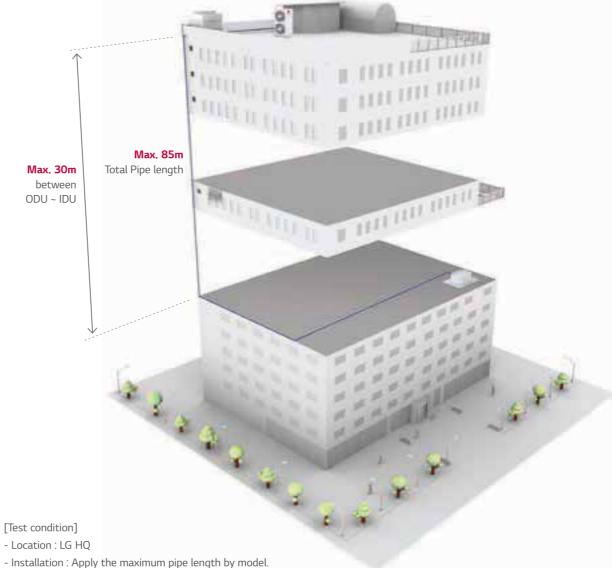
#### Test Result (5% Area of defects compared to initial)



#### to prevent corrosion & refrigerant leakage

#### **Long Pipe Installation**

Maximum pipe length up to 85m and elevation length up to 30m provides flexibility for various conditions and easy installation.



- Period: 3 month (Checking oil level in real time)
- No use U-Trap

Model name	UUA1	UUB1	UUC1	UUD1 / UUD3
Maximum pipe length	20 m	30 / 35* m	50 m	85 m
Maximum Height Difference (ODU-IDU)	15 m	30 m	30 m	30 m

<sup>\*</sup> Compact 6.8 / 8.0kW

SINGLE SPLIT FEATURES 166 I 167

# ONVENIENT

CONTROL

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S

mi

# Indoor unit can be controlled by external devices without dry contact, so customers can save cost of installation.



1 Point External Input (On / Off Control)

# Access your air conditioner anytime and from anywhere



LG ThinQ™

Amazon's Alexa

- ※ Search "LG ThinQ" on Google or Apple store then download the app.
- \* Wi-Fi modem (PWFMDD200) is required by option.

# LG ThinQ Server

#### Simple operation for various functions

Air Purify\* • On / Off\*

Users can control air conditioners using Android or iOS-enabled smartphones and voice commands via Google assistant and

- Current temperature\*

  - Set temperature?
- · Set fan speed\*
- Vane Control

- Mode Selection\*
- \* This functions are used by google assistant
- \* In some countries, the use of the google assistant system may be restricted.
- Launched country: Germany, UK, Ireland, Austria, Switzerland, France, Spain, Italy, Russia, Norway, Netherlands, Portugal, Turkey, Sweden, Denmark

### **Easy Control (Central Controller)**

PI-485 is a gateway device that provides communication between LG Outdoor Units and LG central controllers such as ACP, AC Smart.



# **Forced Cooling Operation**

% In case of needing more functions beside on / off control, a dry contact is required to be installed.

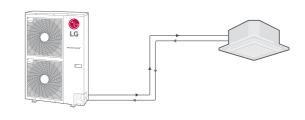
Connection between an indoor unit and external devices directly

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

Cycle Monitoring

#### **Pump Down**



#### **Mobile LGMV**

LGMV(Monitoring View) helps engineers to inspect and monitor air conditioning unit easily.



**Error Indicator** 

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

Installation

Smart Management

Diagnosis

information with diagrams & graph, but also check easily the error status (Troubleshooting guide) and take action immediately.

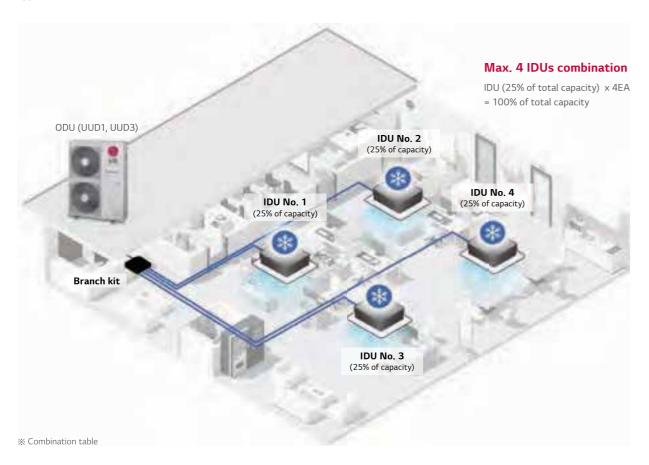
% Search "Mobile LGMV" on Google or Apple store then download the app. \* Wi-Fi modem (PWFMDD200) is required by

A technician not only can check the cycle

SINGLE SPLIT FEATURES 168 I 169

# **Synchro function**

Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.



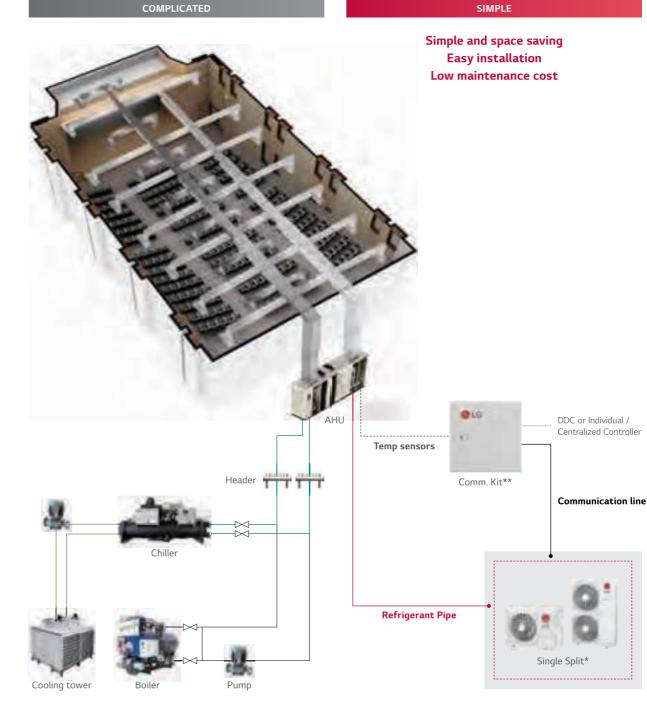
2	3	4
PMUB11A	PMUB111A	PMUB1111A
-		

Model	Duo		Tr	rio	Quartet		
Model	Cassette	Duct	Cassette	Duct	Cassette	duct	
	CT18F x 2EA	CM18F x 2EA	CT12F x 3EA	CL12F x 3EA	CT12F x 4EA	CL12F x 4EA	
UUD1, UUD3	CT24F x 2EA	CM24F x 2EA	CT18F x 3EA	CM18F x 3EA	-	-	
	UT30F x 2EA	UM30F x 2EA	-	-	-	-	
Branch kit	PMUB11A		PMUB111A		PMUB1111A		
Dip switch					On	4 5 6	

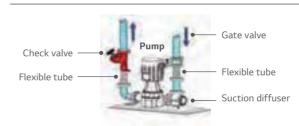
- 1. Possible indoor units : Single CAC indoor unit series
- Dry contact & Zone control & Auto changeover is not available which is connected with synchro.
- When using synchro operation
- Do not use wireless remote controller.
- Use only one wired remote controller in the indoor units.
- Some Central controllers and some functions of central controller can not be available with synchro operation.
- 2. Branch kits are required for operating Synchro models.

#### **Connection with AHU**

Single split can be connected to AHU using communication kit.



#### Complicated piping work



- \* The single model can be applied only to UUB1, UUC1, UUD1, UUD3
- \*\* Model name of communication kit
- RA air temperature control : PAHCMR000
- SA air temperature control : PAHCMS000

SINGLE SPLIT FEATURES 170 I 171

# **Differentiated Design**

Modern elegant design with V-shape and black vane is appropriate for any commercial space. It received iF Design Award.





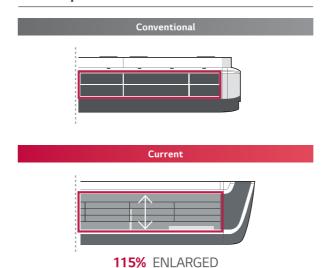
# **Powerful Cooling & Heating**

High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15m away from ceiling.

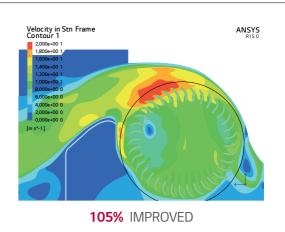


Airflow path and improved heat exchanger's performance.

#### **Outlet Space**



#### Optimized the Airflow Path



SINGLE SPLIT FEATURES 210 I 211

# **EILING SUSPEND**

#### H-INVERTER (R32)

#### UV18FH / UV24FH / UV30FH





**UUB1 U20** 



**UUC1 U40** 





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COMBINATION				18	24	30
Canacity	Cooling	Min. / Rated / Max.	kW	2.0 / 5.0 / 6.0	2.7 / 6.8 / 8.3	3.2 / 8.0 / 9.5
Capacity	Heating	Min. / Rated / Max.	kW	2.3 / 5.8 / 7.0	3.0 / 7.5 / 9.4	3.6 / 8.9 / 10.6
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.30 / 1.28 / 1.73	0.40 / 1.80 / 2.50	0.50 / 2.35 / 3.13
Power input (Set)	Heating	Min. / Rated / Max.	kW	0.30 / 1.56 / 2.13	0.40 / 1.82 / 2.62	0.50 / 2.39 / 3.27
Running Current	Cooling	Rated	А	7.3	8	10.4
Rulling Current	Heating	Rated	А	8	8.1	10.6
EER / COP			kWh / kWh	3.90 / 3.71	3.77 / 4.11	3.41 / 3.72
SEER / SCOP			kWh / kWh	7.6 / 4.4	7.9 / 4.6	7.2 / 4.6
Pdesign	Cooling @ 35°C		kW	5	6.8	8
ruesigii	Heating @ -10°C		kW	4.3	5.4	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A++	A++ / A++
Annual Energy Consumption	Cooling / Heating		kWh	230 / 1,368	301 / 1,644	389 / 1,644
Dehumidification Rate			l/h	1.9	2.0	2.8
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Metho	d	-	Flared	Flared	Flared
Operation Range	Cooling	Min. / Max.	°C	-15 / 50	-20 / 50	-20 / 50
(Outdoor)	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18
INDOOR				UV18FH N10	UV24FH N20	UV30FH N20
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H/M/L	W	17 / 15 / 13	35 / 32 / 27	35 / 32 / 27
Air Flow Rate		H/M/L	m³/min	12.5 / 11 / 10	23 / 21 / 19	23 / 21 / 19
Dimensions	Body	$W \times H \times D$	mm	1,200 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	28.7	37.4	37.4
Sound Pressure Level	Cooling	H/M/L	dB (A)	41 / 39 / 38	43 / 42 / 40	43 / 42 / 40
Sound Power Level	Cooling	Max.	dB (A)	55	60	60
Piping Connections	Drain (Natural Drainage)	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5
	Drain (Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUB1 U20	UUC1	U40
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-	240 / 50
Circuit Breaker		Min.	А	20	2	5
Power Supply Cable (Included	Earth)		No x mm <sup>3</sup>	3C x 2.5	3C >	2.5
Dimensions	Net	WxHxD	mm	870 x 650 x 330	950 x 83	34 x 330
Weight	Net		kg	44.5	57	7.7
Compressor	Туре		-	Twin Rotary	Twin F	Rotary
	Туре		-	R32	R3	32
	GWP (Global Warm	ing Potential)	-	675	67	75
Refrigerant	Precharged Amount		kg	1.2	1.	9
	t-CO <sub>2</sub> eq		-	0.81	1.2	83
	Additional Charge (	After 7.5m)	g/m	20	4	0
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58	x 1
Total Piping Length		Min. / Max.	m	5 / 30	5 /	50

### **Two Thermistors Control**

One Touch & 2 Piece Filter

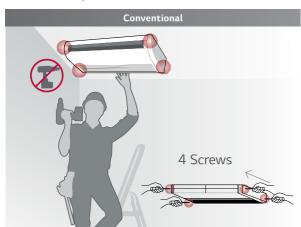
Users can purchase a wired remote controller that includes a second thermistor, allowing for temperature checks from multiple locations.

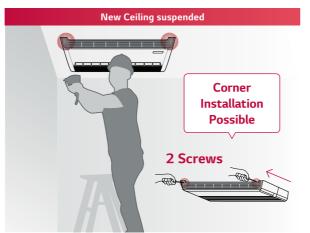
Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



#### 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.





Piping Elevation

- 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)

IDU - ODU

- 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)

SINGLE SPLIT SPECIFICATIONS SINGLE SPLIT FEATURES 212 I 213 П

# **ILING SUSPE**

Z

Ш

4.8 / 12.1 / 14.5

5.4 / 13.5 / 16.2

0.70 / 3.64 / 4.91

0.80 / 3.75 / 4.88

5.7

5.9

3.32 / 3.60

6.6 / 4.3

12.1

9.5

1,100 / 3,093

5.5 51 / 52

69

Ø9.52 (3/8)

Ø15.88 (5/8)

Flared

-20 / 52

-25 / 18

1 / 220-240 / 50

59 / 40 / 28

30 / 25 / 20

1,600 x 235 x 690

37.4

48 / 44 / 40

Ø25.0 / 20.5

Ø32.0 / 26.0

UUD3 U30

3 / 380-415 / 50

20 5C x 2.5

950 x 1,380 x 330

85 Inverter Scroll

> R32 675

3.0

2.025

40

55 x 2

5/85

30

62

UV42FH N20

**UUD3 U30** 

Cooling

Heating

Cooling

Heating

Cooling

Heating

Cooling

Cooling

Liquid

Gas

Body

Body

Cooling

Cooling

Drain

Drain

Net

Net

Type

t-CO2ea

IDU - ODU

n the ECP programme for EUROVENT AC program. alidity of certification : www.eurovent-certification.com

Min. / Rated / Max. kW

Min. / Rated / Max. kW

Min. / Rated / Max. kW

Rated

Rated

Rated

Min. / Max.

Min. / Max

H/M/L

H/M/L

 $W \times H \times D$ 

H/M/L

 $W \times H \times D$ 

Min. / Max.

Max.

Max.

(Natural Drainage) O.D. / I.D.

(Using Drain Pump) O.D. / I.D.

GWP (Global Warming Potential)

Additional Charge (After 7.5m)

Air Flow Rate Rated

Precharged Amount

Cooling @ 35°C

Heating @ -10°C

Cooling / Heating

Connections Method

Min. / Rated / Max. kW

А

Α

kWh / kWh

kWh / kWh

kW

kW

kWh

dB(A)

dB(A)

°C

W

m³/min

mm

kg

dB (A)

dB (A)

Ø/V/Hz

No  $x \text{ mm}^3$ 

mm

kg

kg

g/m

m

m³/min x No.

mm

mm (inch)

mm (inch)

Ø/V/Hz

3.8 / 9.5 / 12.8

4.3 / 10.8 / 13.7

0.50 / 2.50 / 3.75

0.50 / 2.54 / 3.56

4.0

4.1

3.80 / 4.25

6.7 / 4.3

9.5

9.5

A++ / A+

496 / 3,093

3.6

50 / 50

Ø9.52 (3/8)

Ø15.88 (5/8)

Flared

-20 / 52

-25 / 18

UV36FH N20

1 / 220-240 / 50

59 / 40 / 28

30 / 25 / 20

1,600 x 235 x 690

48 / 44 / 40

62

Ø25.0 / 20.5

Ø32.0 / 26.0

37.4

_	3:
	LG participates in Check ongoing va

COMBINATION

Power Input (Set)

Running Current

EER / COP

Pdesign

SEER / SCOP

Seasonal Energy Label

Dehumidification Rate

**Piping Connections** 

Operation Range (Outdoor)

INDOOR

**Power Supply** 

Air Flow Rate

Dimensions

OUTDOOR

**Power Supply** Circuit Breaker

Dimensions

Compressor

Refrigerant

Total Piping Length

Piping Elevation

Weight

Weight

Power Input (IDU)

Sound Pressure Level

Sound Power Level

Piping Connections

Power Supply Cable (Included Earth)

ODU Sound Power Level

Annual Energy Consumption Cooling / Heating

ODU Sound Pressure Level Cooling / Heating Rated

Capacity

H-INVERTER (R32)

UV36FH / UV42FH

**UUD1 U30** 

COMBINATION				36	42
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.8	4.8 / 12.1 / 14.5
Capacity	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.7	5.4 / 13.5 / 16.2
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.5 / 2.50 / 3.75	0.7 / 3.64 / 4.91
rower input (Set)	Heating	Min. / Rated / Max.	kW	0.5 / 2.54 / 3.56	0.8 / 3.75 / 4.88
Running Current	Cooling	Rated	А	11.1	16
Rulling Current	Heating	Rated	А	11.4	16.5
EER / COP			kWh / kWh	3.80 / 4.25	3.32 / 3.60
SEER / SCOP			kWh / kWh	6.70 / 4.30	6.60 / 4.30
Pdesign	Cooling @ 35°C		kW	9.5	12.1
Puesigii	Heating @ -10°C		kW	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -
Annual Energy Consumption	Cooling / Heating		kWh	496 / 3,093	1,100 / 3,093
Dehumidification Rate			l/h	3.6	5.52
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69
	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Metho	d	-	Flared	Flared
Operation Range	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52
(Outdoor)	Heating	Min. / Max.	°C	-25 / 18	-25 / 18
INDOOR				UV36FH N20	UV42FH N20
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H/M/L	W	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H/M/L	m³/min	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	WxHxD	mm	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	37.4	37.4
Sound Pressure Level	Cooling	H/M/L	dB (A)	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB (A)	62	62
	Drain	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5
Piping Connections	(Natural Drainage)	0.0.7 1.0.		\$23.0 / 20.3	£23.0 / 20.3
	Drain (Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR	(osing brain ramp)			UUD1	U30
Power Supply			Ø / V / Hz		240 / 50
Circuit Breaker		Min.	Α	4	
Power Supply Cable (Included	Farth)		No x mm <sup>3</sup>	3C >	-
Dimensions	Net	WxHxD	mm	950 x 1,3	
Weight	Net		kg	8	
Compressor	Type		-	Inverte	r Scroll
	Type		-	R3	
	GWP (Global Warm	ing Potential)	_	67	75
Refrigerant	Precharged Amount		kg	3	-
	t-CO <sub>2</sub> eq		-	2.0	-
	Additional Charge (	After 7 5m)	g/m	4	
Fan	Air Flow Rate	Rated	m³/min x No.	55	
Total Piping Length	> 1011 11410	Min. / Max.	m		85
Piping Elevation	IDU - ODU	Max.	m	3	
					-

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Check ongoing validity of certification

www.eurovent-certification.com

- 1. Due to our policy of innovation some specifications may be changed without notification.
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- Cooling : Indoor Ambient Temp  $27^{\circ}$ C DB /  $19^{\circ}$ C WB, Outdoor Ambient Temp  $35^{\circ}$ C DB /  $24^{\circ}$ 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)

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- 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)

- N	u٠	٠+	$\circ$	
- 1	Vι		C	

- Cooling : Indoor Ambient Temp 27°C  $\stackrel{\smile}{\sf DB}$  / 19°C WB, Outdoor Ambient Temp 35°C  $\stackrel{\smile}{\sf DB}$  / 24°C WB

UV18F / UV24F / UV30F

UUB1 U20 UUC1 U40









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COMBINATION				18	24	30
Committee	Cooling	Min. / Rated / Max.	kW	2.0 / 5.0 / 5.8	2.7 / 6.7 / 8.0	3.1 / 7.7 / 8.8
Capacity	Heating	Min. / Rated / Max.	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.4 / 8.6 / 9.6
D	Cooling	Min. / Rated / Max.	kW	0.30 / 1.33 / 1.86	0.40 / 1.99 / 2.69	0.50 / 2.25 / 3.08
Power Input (Set)	Heating	Min. / Rated / Max.	kW	0.40 / 1.76 / 2.46	0.40 / 2.2 / 3.08	0.50 / 2.5 / 3.20
D	Cooling	Rated	А	7.5	8.8	10.0
Running Current	Heating	Rated	А	8.3	9.8	11.1
EER / COP			kWh / kWh	3.75 / 3.29	3.37 / 3.41	3.42 / 3.44
SEER / SCOP			kWh / kWh	6.6 / 4.3	7.2 / 4.2	6.8 / 4.4
D.L.:	Cooling @ 35°C		kW	5	6.7	7.7
Pdesign	Heating @ -10°C		kW	4.2	4.9	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 1,368	326 / 1,633	396 / 1,718
Dehumidification Rate			l/h	1.8	2.7	3.0
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Metho	d	-	Flared	Flared	Flared
Operation Range	Cooling	Min. / Max.	°C	-15 / 50	-20 / 50	-20 / 50
(Outdoor)	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18
INDOOR				UV18F N10	UV24F N10	UV30F N10
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H/M/L	W	17 / 15 / 13	33 / 26 / 19	47 / 40 / 33
Air Flow Rate		H/M/L	m³/min	13 / 12 / 11	16 / 15 / 14	19 / 17.5 / 16
Dimensions	Body	WxHxD	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,200 x 235 x 690
Weight	Body		kg	27.3	28	28
Sound Pressure Level	Cooling	H/M/L	dB (A)	42 / 40 / 39	46 / 45 / 43	46 / 44 / 43
Sound Power Level	Cooling	Max	dB (A)	55	61	62
Piping Connections	Drain (Natural Drainage)	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5
	Drain (Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUB1 U20	UUC1	U40
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-2	240 / 50
Circuit Breaker		Min	А	20	2	5
Power Supply Cable (Included	Earth)		No x mm <sup>3</sup>	3C x 2.5	3C x	2.5
Dimensions	Net	WxHxD	mm	870 x 650 x 330	950 x 83	34 x 330
Weight	Net		kg	44.5	57	7.7
Compressor	Туре		-	Twin Rotary	Twin F	otary
	Туре		-	R32	R3	32
	GWP (Global Warm	ing Potential)	-	675	67	75
Refrigerant	Precharged Amount		kg	1.2	1.	9
	t-CO₂eq		-	0.81	1.2	83
	Additional Charge (A	After 7.5m)	g/m	20	4	0
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58	x 1
Total Piping Length		Min. / Max.	m	5 / 30	5/	50
Piping Elevation	IDU - ODU	Max	m	30	3	0

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   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)

#### STANDARD INVERTER (R32)

#### UV36F / UV42F / UV48F / UV60F





**UUD1 U30** 





 $\ensuremath{\mathsf{LG}}$  participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

COMBINATION				36	42	48	60
COMBINATION							
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.1 / 14.2	5.4 / 13.4 / 15.7	5.8 / 14.4 / 15.6
. ,	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.7 / 16.8 / 18.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.65 / 4.03	0.80 / 3.90 / 5.07	0.90 / 4.50 / 5.85	1.10 / 5.33 / 5.97
1 \ /	Heating	Min. / Rated / Max.	kW		0.80 / 3.75 / 4.88	0.90 / 4.77 / 5.82	1.10 / 5.60 / 6.44
Running Current	Cooling	Rated	А	11.7	17.0	19.7	23.6
	Heating	Rated	А	11.4	16.5	20.6	24.6
EER / COP			kWh / kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh / kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.4
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	-/-	-/-	-/-
Annual Energy Consumption	Cooling / Heating		kWh	528 / 3,244	1,152 / 3,244	1,363 / 3,244	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51/52	52/53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Metho	d	-	Flared	Flared	Flared	Flared
Operation Range	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
(Outdoor)	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
INDOOR				UV36F N20	UV42F N20	UV48F N20	UV60F N20
Power Supply			Ø/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power Input (IDU)		H/M/L	W	50 / 35 / 28	50/35/28	59 / 40 / 28	59/40/28
Air Flow Rate		H/M/L	m³/min	28 / 24 / 20	28/24/20	30/25/20	30/25/20
Dimensions	Body	$W \times H \times D$	mm	1,600 x 235 x 690			
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level	Cooling	H/M/L	dB (A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max	dB (A)	62	62	63	63
Piping Connections	Drain (Natural Drainage)	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5
	Drain (Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR	1/				UUD.	1 U30	
Power Supply			Ø/V/Hz		1 / 220-	240 / 50	
Circuit Breaker		Min	А		4	0	
Power Supply Cable (Included	Earth)		No x mm <sup>3</sup>		3C>	< 6.0	
Dimensions	Net	WxHxD	mm		950 x 1,3	380 x 330	
Weight	Net		kg		8	15	
Compressor	Туре		-		Inverte	er Scroll	
	Туре		-		R:	32	
	GWP (Global Warm	ing Potential)	-		67	75	
Refrigerant	Precharged Amount		kg		3	.0	
	t-CO <sub>2</sub> eq		-		2.0	)25	
	Additional Charge (	After 7.5m)	g/m			10	
Fan	Air Flow Rate	Rated	m³/min x No.		55	x 2	
Total Piping Length		Min. / Max.	m		5 /	85	
Piping Elevation	IDU - ODU	Max	m		3	80	

- 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)

**EILING SUSPEN** Ш

**UUD3 U30** 

STANDARD INVERTER (R32)

**COMPACT INVERTER (R32)** 

# **EILING SUSPE**

Z







675

1.2

0.81

40

50 x 1

5/35

30

675

1.0

0.675

20

28 x 1

5/30

30



675

1 283

58 x 1

30

1.9

40

5/50



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

COMBINATION				18	24	30	36
Capacity	Cooling	Min. / Rated / Max.	kW	1.8 / 5.0 / 5.5	2.7 / 6.8 / 7.5	3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.5
Сарасіту	Heating	Min. / Rated / Max.	kW	2.2 / 5.3 / 5.8	2.9 / 7.3 / 8.4	3.2 / 8.0 / 8.8	4.1 / 10.3 / 11
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.32 / 1.62 / 1.93	0.40 / 2.06 / 2.47	0.50 / 2.42 / 2.90	0.70 / 3.28 / 3.
rower input (Set)	Heating	Min. / Rated / Max.	kW	0.30 / 1.44 / 1.86	0.40 / 2.23 / 2.90	0.50 / 2.48 / 3.22	0.60 / 2.78 / 3.
Running Current	Cooling	Rated	А	7.2	9.0	10.6	14.6
Running Current	Heating	Rated	А	6.4	9.7	10.8	12.3
EER / COP			kWh / kWh	3.10 / 3.70	3.30 / 3.28	3.10 / 3.23	2.90 / 3.70
SEER / SCOP			kWh / kWh	6.6 / 4.6	6.6 / 4.2	6.6 / 4.3	6.1 / 4.2
Ddaeinn	Cooling @ 35°C		kW	5	6.8	7.5	9.5
Pdesign	Heating @ -10°C		kW	2.9	4.3	4.4	5.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A++	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 883	361 / 1,433	398 / 1,433	545 / 1,833
Dehumidification Rate			l/h	1.7	2.4	2.8	3.6
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	48/53	50 / 54	54/56
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	67	70
	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8
	Connections Metho	d	-	Flared	Flared	Flared	Flared
Operation Range	Cooling	Min. / Max.	°C	-10 / 50	-10 / 48	-10 / 48	-20 / 50
(Outdoor)	Heating	Min. / Max.	°C	-10 / 18	-15/18	-15 / 18	-15/18
INDOOR				UV18F N10	UV24F N10	UV30F N10	UV36F N2
Power Supply			Ø/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/
Power Input (IDU)		H/M/L	W	17/15/13	33/26/19	47 / 40 / 33	50/35/28
Air Flow Rate		H/M/L	m³/min	13/12/11	16/15/14	19/17.5/16	28 / 24 / 20
Dimensions	Body	WxHxD	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,200 x 235 x 690	1,600 x 235 x
Weight	Body		kg	27.3	28	28	36.7
Sound Pressure Level	Cooling	H/M/L	dB (A)	42 / 40 / 39	46/45/43	46 / 44 / 43	46 / 43 / 40
Sound Power Level	Cooling	Max.	dB (A)	55	61	62	62
Piping Connections	Drain (Natural Drainage)	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5
r iping connections	Drain (Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUA1 ULO	UUB1	I U20	UUC1 U40
Power Supply			Ø/V/Hz	1/220-240/50	1 / 220-	240 / 50	1/220-240/
Circuit Breaker		Min.	Α	15	2	0	25
Power Supply Cable (Included	Earth)		No x mm <sup>3</sup>	3C x 1.5	3C>	¢ 2.5	3C x 2.5
Dimensions	Net	WxHxD	mm	770 x 545 x 288	870 x 65	50 x 330	950 x 834 x 3
Weight	Net		kg	33.3	44	1.5	57.7
Compressor	Туре		-	Twin Rotary	Twin F	Rotary	Twin Rotary
	Туре		-	R32	R3	32	R32

Refrigerant

Total Piping Length

Piping Elevation

- 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  $\stackrel{\smile}{\sf DB}$  / 19°C WB, Outdoor Ambient Temp 35°C  $\stackrel{\smile}{\sf DB}$  / 24°C WB

GWP (Global Warming Potential)

Additional Charge (After 7.5m)

Min. / Max.

Max.

Air Flow Rate Rated

Precharged Amount

t-CO₂eq

IDU - ODU

- 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.

kg

g/m

m

m³/min x No.

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



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

COMBINATION         36         42         48           Capacity         Cooling         Min. / Rated / Max.         kW         38/95/125         48/12.1/14.2         5.4/13.4/15.7           Power Input (Set)         Cooling         Min. / Rated / Max.         kW         0.50/2.65/4.03         0.80/3.90/5.07         0.90/4.50/5.85           Running Current         Cooling         Rated / Max.         kW         0.50/2.60/3.54         0.80/3.75/4.88         0.90/4.77/5.82           Running Current         Cooling / Rated / Ra	50 5.8/14.4/15.6 6.7/16.8/18.1 1.10/5.33/5.97 1.10/5.60/6.44 8.2 8.5 2.70/3.00 5.7/4.1 14.4 9.5 -/- 1,516/3,244
Capacity         Heating         Min. / Rated / Max.         kW         4.3/10.8/13.4         5.4/13.5/15.8         6.2/15.5/17.5           Power Input (Set)         Cooling         Min. / Rated / Max.         kW         0.50/2.65/4.03         0.80/3.90/5.07         0.90/4.50/5.85           Running Current         Heating         Min. / Rated / Max.         kW         0.50/2.60/3.54         0.80/3.75/4.88         0.90/4.77/5.82           Running Current         Cooling         Rated         A         4.2         6.1         7.0           Heating         Rated         A         4.1         5.9         7.3           EER / COP         kWh / kWh         3.59/4.15         3.10/3.60         2.98/3.25           SEER / SCOP         kWh / kWh         6.3/4.1         6.3/4.1         5.9/4.1           Pdesign         Cooling @ 35°C         kW         9.5         12.1         13.4           Pdesign         Cooling / Heating @ -10°C         kW         9.5         9.5         9.5           Seasonal Energy Label         Cooling / Heating         kWh         528/3,244         1,152/3,244         1,363/3,244           Dehumidification Rate         l/h         3.6         5.5         6.3           ODU Sound Pressure Level	6.7/16.8/18.1 1.10/5.33/5.97 1.10/5.60/6.44 8.2 8.5 2.70/3.00 5.7/4.1 14.4 9.5 -/-
Heating   Min. / Rated / Max.   kW   4.3/10.8/13.4   5.4/13.5/15.8   6.2/15.5/17.5	1.10/5.33/5.97 1.10/5.60/6.44 8.2 8.5 2.70/3.00 5.7/4.1 14.4 9.5 -/- 1,516/3,244
Power Input (Set)   Heating   Min. / Rated / Max.   kW   0.50 / 2.60 / 3.54   0.80 / 3.75 / 4.88   0.90 / 4.77 / 5.82	1.10/5.60/6.44 8.2 8.5 2.70/3.00 5.7/4.1 14.4 9.5 -/- 1,516/3,244
Running Current   Cooling   Rated   A   A   A   A   A   A   A   A   A	8.2 8.5 2.70 / 3.00 5.7 / 4.1 14.4 9.5 -/- 1,516 / 3,244
Running Current         Heating         Rated         A         4.1         5.9         7.3           EER / COP         kWh / kWh         3.59 / 4.15         3.10 / 3.60         2.98 / 3.25           SEER / SCOP         kWh / kWh         6.3 / 4.1         6.3 / 4.1         5.9 / 4.1           Pdesign         Cooling @ 35°C         kW         9.5         12.1         13.4           Heating @ -10°C         kW         9.5         9.5         9.5           Seasonal Energy Label         Cooling / Heating         -         A++/A+         -/-         -/-           Annual Energy Consumption         Cooling / Heating         kWh         528 / 3,244         1,152 / 3,244         1,363 / 3,244           Dehumidification Rate         l/h         3.6         5.5         6.3           ODU Sound Pressure Level         Cooling / Heating         Rated         dB(A)         50/50         51/52         52/53           ODU Sound Power Level         Cooling         Rated         dB(A)         66         69         69	8.5 2.70/3.00 5.7/4.1 14.4 9.5 -/- 1,516/3,244
Heating   Rated   A   4.1   5.9   7.3	2.70 / 3.00 5.7 / 4.1 14.4 9.5 - / - 1,516 / 3,244
SEER / SCOP         kWh / kWh         6.3 / 4.1         6.3 / 4.1         5.9 / 4.1           Pdesign         Cooling @ 35°C         kW         9.5         12.1         13.4           Heating @ -10°C         kW         9.5         9.5         9.5           Seasonal Energy Label         Cooling / Heating         -         A++/A+         -/-         -/-           Annual Energy Consumption         Cooling / Heating         kWh         528/3,244         1,152/3,244         1,363/3,244           Dehumidification Rate         I/h         3.6         5.5         6.3           ODU Sound Pressure Level         Cooling / Heating         Rated         dB(A)         50/50         51/52         52/53           ODU Sound Power Level         Cooling         Rated         dB(A)         66         69         69	5.7 / 4.1 14.4 9.5 -/- 1,516 / 3,244
Cooling @ 35°C         kW         9.5         12.1         13.4           Heating @ -10°C         kW         9.5         9.5         9.5           Seasonal Energy Label         Cooling / Heating         -         A++/A+         -/-         -/-           Annual Energy Consumption         Cooling / Heating         kWh         528/3,244         1,152/3,244         1,363/3,244           Dehumidification Rate         l/h         3.6         5.5         6.3           ODU Sound Pressure Level         Cooling / Heating         Rated         dB(A)         50/50         51/52         52/53           ODU Sound Power Level         Cooling         Rated         dB(A)         66         69         69	14.4 9.5 -/- 1,516/3,244
Pdesign         Heating @ -10°C         kW         9.5         9.5         9.5         9.5           Seasonal Energy Label         Cooling / Heating         -         A++/A+         -/-         -/-           Annual Energy Consumption         Cooling / Heating         kWh         528/3,244         1,152/3,244         1,363/3,244           Dehumidification Rate         l/h         3.6         5.5         6.3           ODU Sound Pressure Level         Cooling / Heating         Rated         dB(A)         50/50         51/52         52/53           ODU Sound Power Level         Cooling         Rated         dB(A)         66         69         69	9.5 - / - 1,516 / 3,244
Seasonal Energy Label         Cooling / Heating         -         A+++/A+         -/-         -/-           Annual Energy Consumption         Cooling / Heating         kWh         528/3,244         1,152/3,244         1,363/3,244           Dehumidification Rate         l/h         3.6         5.5         6.3           ODU Sound Pressure Level         Cooling / Heating         Rated         dB(A)         50/50         51/52         52/53           ODU Sound Power Level         Cooling         Rated         dB(A)         66         69         69	-/- 1,516/3,244
Annual Energy Consumption         Cooling / Heating         kWh         528/3,244         1,152/3,244         1,363/3,244           Dehumidification Rate         I/h         3.6         5.5         6.3           ODU Sound Pressure Level         Cooling / Heating         Rated         dB(A)         50/50         51/52         52/53           ODU Sound Power Level         Cooling         Rated         dB(A)         66         69         69	1,516 / 3,244
Dehumidification Rate         I/h         3.6         5.5         6.3           ODU Sound Pressure Level         Cooling / Heating         Rated         dB(A)         50/50         51/52         52/53           ODU Sound Power Level         Cooling         Rated         dB(A)         66         69         69	, , ,
ODU Sound Pressure LevelCooling / HeatingRateddB(A)50/5051/5252/53ODU Sound Power LevelCoolingRateddB(A)666969	
ODU Sound Power Level Cooling Rated dB(A) 66 69 69	7.1
	54 / 54
(; 1) (0.53 (2.0) (0.53 (2.0) (0.53 (2.0)	71
Liquid mm (inch) Ø9.52 (3/8) Ø9.52 (3/8) Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections         Gas         mm (inch)         Ø15.88 (5/8)         Ø15.88 (5/8)         Ø15.88 (5/8)	Ø15.88 (5/8)
Connections Method - Flared Flared Flared	Flared
Operation Range         Cooling         Min. / Max.         °C         -20/52         -20/52         -20/52	-20 / 52
(Outdoor) Heating Min. / Max. °C -25/18 -25/18 -25/18	-25 / 18
INDOOR UV36F N20 UV42F N20 UV48F N20	UV60F N20
Power Supply         Ø / V / Hz         1/220-240/50         1/220-240/50         1/220-240/50	1/220-240/50
Power Input (IDU) H / M / L W 50/35/28 50/35/28 59/40/28	59 / 40 / 28
Air Flow Rate H / M / L m³/min 28/24/20 28/24/20 30/25/20	30 / 25 / 20
Dimensions         Body         W x H x D         mm         1,600 x 235 x 690	1,600 x 235 x 690
Weight         Body         kg         36.7         36.7         36.7	36.7
Sound Pressure Level         Cooling         H / M / L         dB (A)         46 / 43 / 40         46 / 43 / 40         48 / 44 / 40	48 / 44 / 40
Sound Power Level         Cooling         Max.         dB (A)         62         62         63	63
Drain O.D. / I.D. mm Ø25.0/20.5 Ø25.0/20.5	Ø25.0 / 20.5
Piping Connections  (Natural Drainage)  Drain  OR (VR)  GROSS (ASS)  GROSS (ASS)  GROSS (ASS)  GROSS (ASS)	
(Using Drain Pump) O.D. / I.D. mm Ø32.0 / 26.0 Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR UUD3 U30	
Power Supply Ø / V / Hz 3 / 380-415 / 50	
Circuit Breaker Min. A 20	
Power Supply Cable (Included Earth) No x mm <sup>3</sup> 5C x 2.5	
Dimensions Net $W \times H \times D$ mm $950 \times 1,380 \times 330$	
Weight Net kg 85	
Compressor Type - Inverter Scroll	
Type - R32	
GWP (Global Warming Potential) - 675	
Refrigerant Precharged Amount kg 3.0	
t-CO₂eq - 2.025	
Additional Charge (After 7.5m) g/m 40	
Fan Air Flow Rate Rated m³/min x No. 55 x 2	
Total Piping Length Min. / Max. m 5 / 85	
Piping ElevationIDU - ODUMax.m30	

- 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)

# **Communication Kit**





PAHCMR000 / PAHCMS000

#### Specification

	СОМВІІ	NATION		DIME	(MM)	
MODEL		CENTRALIZED CONTROLLER	DESCRIPTION		н	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
	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
Monitor	Fan Speed	Low / Middle / High	Low / Middle / High	
IVIOIIILOI	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

#### **Combination Table**

			R3	R4	10A		
Model Name		UUA1 UL0	UUB1 U20	UUC1 U40	UUD1 U30 UUD3 U30	UU70W U34	UU85W U74
C : 1 1 D	kBtu/h	9 ~18	18 ~ 30	24 ~ 36	36 ~ 60	70	85
Capacity Index Range	kW	2.5 ~ 5.0	5.0 ~ 8.0	6.8 ~ 10.0	10.0 ~ 14.6	20.0	25.0
PAHCMR000		X	0	0	0	0	0
PAHCMS000		X	0	0	0	0	0



Available operation mode can be varied depending on the setting of AHU Communication Kit.
 This range may differ depending on the type of controller.
 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.

#### LG Wi-Fi Modem

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



#### PWFMDD200

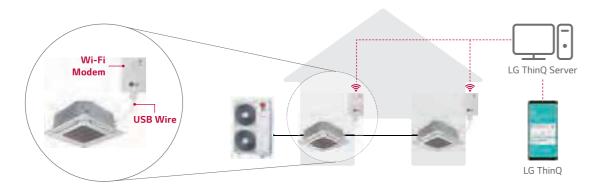
#### **Features**

- · User can enjoy anytime, anywhere access with Wi-Fi equipped device through LG's ThinQ mobile app.
- This allows the user to access the unit remotely to switch unit on or off before or after leaving the vicinity.
- $\bullet$  LG's exclusive Home Appliances control app (LG ThinQ) is available.
- Simple operation for various functions.
- On / Off Reservation (Sleep, Weekly On / Off)
- Operation Mode Energy Monitoring <sup>2)</sup>
   Current / Set Temperature Filter Management
- Fan Speed
   Vane Control <sup>1)</sup>
   Error Check
   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 3)
Connection Type	Indoor unit 1:1
Communication Frequency	2.4 GHz
Wireless Standards	IEEE 802.11b/g/n
Mobile Application	LG 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 "LG ThinQ" on Google market or Appstore then download the app.
 Internet service with Wi-Fi connection has to be available.

#### **Standard Wired Remote Controller**





Standard III PREMTBB10

Standard III PREMTB100



Standard II Standard II PREMTB001 PREMTBB01

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

<sup>\*</sup> 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**



PDRYCB000



PDRYCB400



PDRYCB320 PDRYCB500

% 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	-	•	•	-
On / Off Control	•	•	•	•
Lock / Unlock	•	•	•	
Fan Speed Setting	-	-	•	•
Thermo Off	-	•	•	-
Energy Saving	-	•	-	-
Temperature Setting	-	•	•	•
Error Monitoring	•	•	•	•
Operation Monitoring	•	•	•	•

SINGLE SPLIT ACCESSORIES 238 1 239

#### H-INVERTER (R32)

#### **UV18FH N10**

(Unit:mm)

**EILING SUSPENDED** 

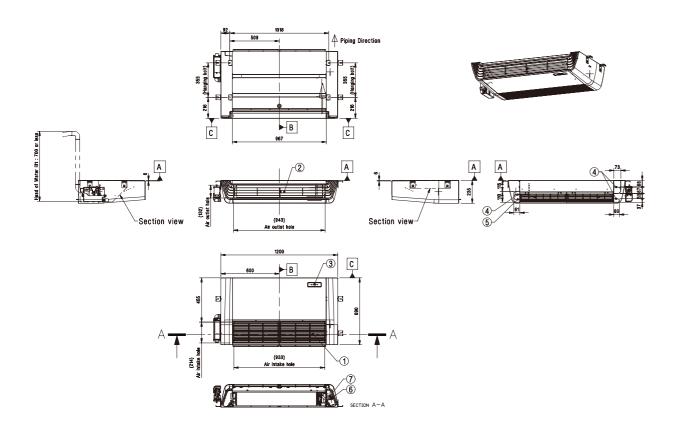
	PART NAME
1	Air Inlet
2	Air Outlet
3	Remote Controller Signal Receiver
4	Drain Hose Routing Hole
5	Refrigerant Pipe and Routing Hole
6	Gas Pipe Connection
7	Liquid Pipe Connection

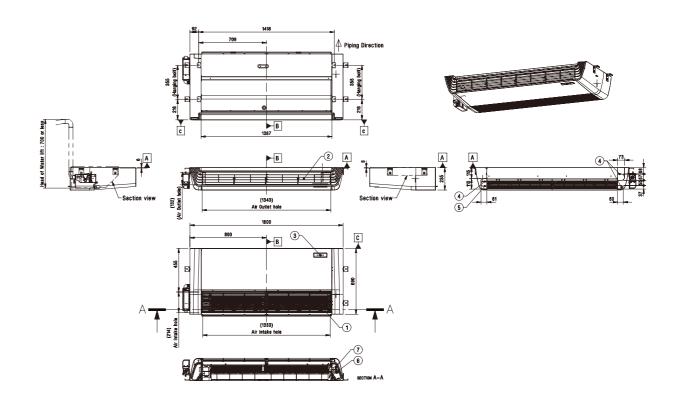
#### H-INVERTER (R32)

#### UV24FH N20 / UV30FH N20 / UV36FH N20 / UV42FH N20

(Unit:mm)

	PART NAME
1	Air Inlet
2	Air Outlet
3	Remote Controller Signal Receiver
4	Drain Hose Routing Hole
5	Refrigerant Pipe and Routing Hole
6	Gas Pipe Connection
7	Liquid Pipe Connection





SINGLE SPLIT DIMENSIONS

**CEILING SUSPENDED** 

#### (Unit:mm)

**EILING SUSPENDED** 

	PART NAME
1	Air Inlet
2	Air Outlet
3	Remote Controller Signal Receiver
4	Drain Hose Routing Hole
5	Refrigerant Pipe and Routing Hole
6	Gas Pipe Connection
7	Liquid Pipe Connection

STANDARD / COMPACT INVERTER (R32)

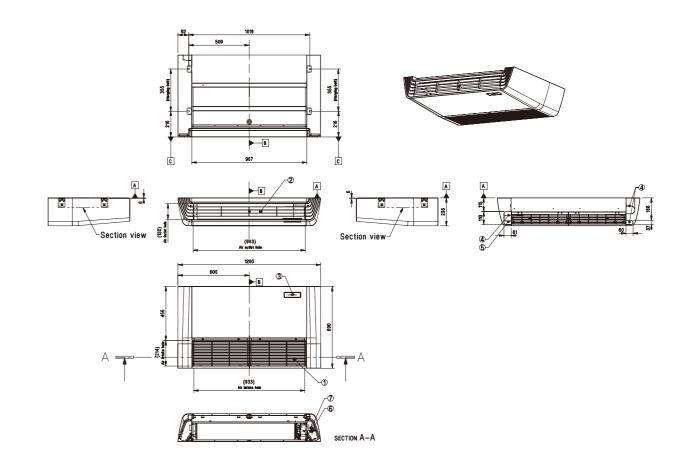
UV18F N10 / UV24F N10 / UV30F N10

#### (Unit:mm)

	PART NAME
1	Air Inlet
2	Air Outlet
3	Remote Controller Signal Receiver
4	Drain Hose Routing Hole
5	Refrigerant Pipe and Routing Hole
6	Gas Pipe Connection
7	Liquid Pipe Connection

STANDARD INVERTER (R32)

UV36F N20 / UV42F N20 / UV48F N20 / UV60F N20



SINGLE SPLIT DIMENSIONS 262 I 263 **FLOOR STANDING** 

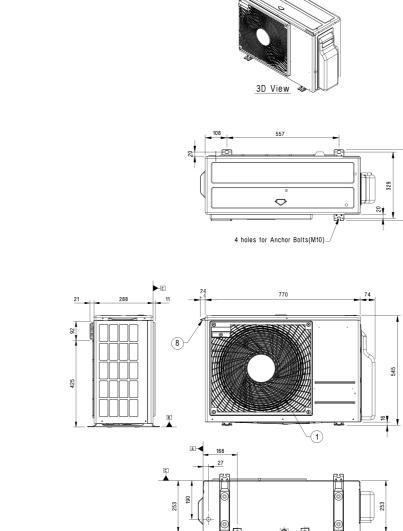
# **UNIVERSAL OUTDOOR**

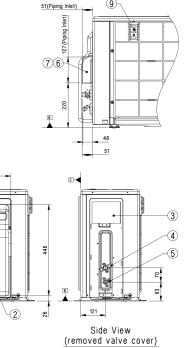
#### HIGH / STANDARD / COMPACT INVERTER (R32)

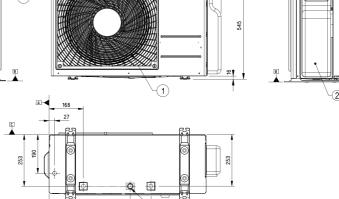
#### UUA1 ULO

#### (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



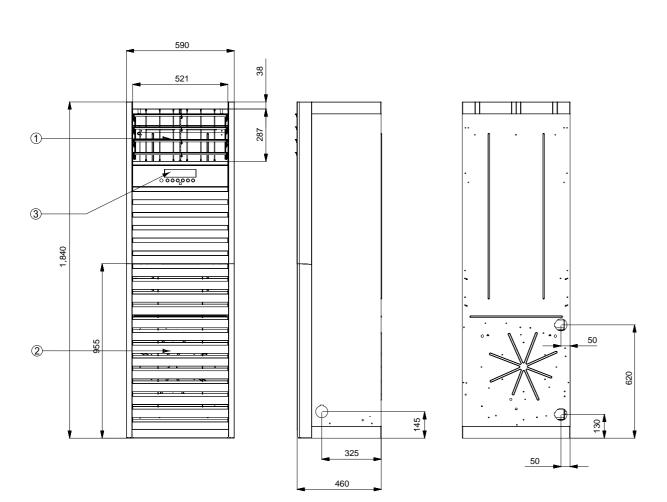




4-I.D. Ø 20 holes for drain connection

#### (Unit:mm)

	PART NAME
1	Front Air Discharge Grille
2	Display & Single Receiver
3	Air Suction Grille



SINGLE SPLIT DIMENSIONS

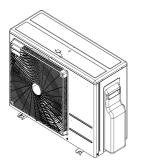
**UNIVERSAL OUTDOOR** 

#### HIGH / STANDARD / COMPACT INVERTER (R32)

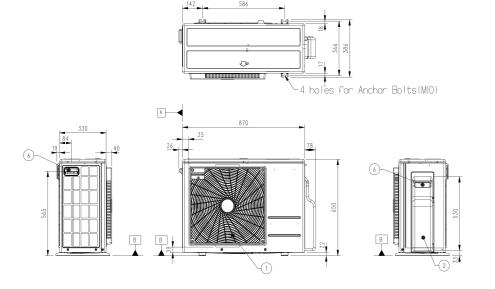
#### **UUB1 U20**

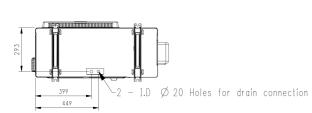
#### (Unit:mm)

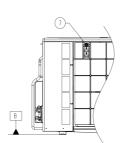
	PART NAME
1	Air Outlet
2	Control Cover & SVC Valve Cover
3	Power and Communication Cable Connection
4	Gas Pipe Connection
5	Liquid Pipe Connection
6	Handle
7	Intake Air Temperature Sensor Cover

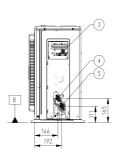


3D View









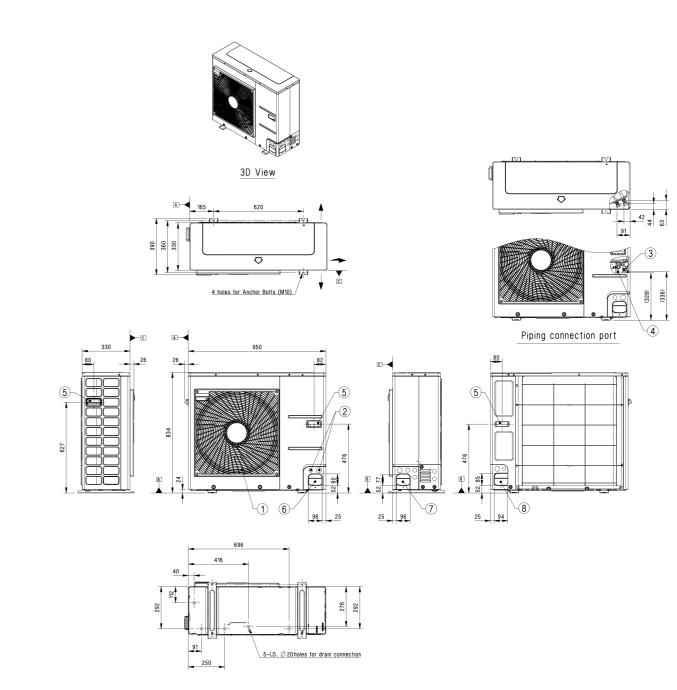
Side View (removed valve cover)

#### HIGH / STANDARD / COMPACT INVERTER (R32)

#### **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)

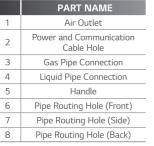


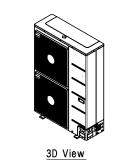
**UNIVERSAL OUTDOOR** 

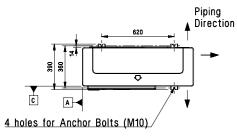
#### STANDARD INVERTER (R410A)

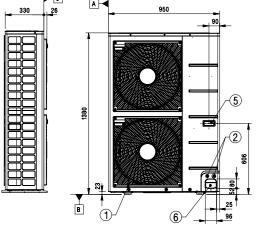
#### UU48W U32 / UU49W U32

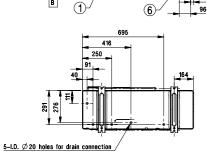
	PART NAME
1	Air Outlet
2	Power and Communication Cable Hole
3	Gas Pipe Connection
4	Liquid Pipe Connection
5	Handle
6	Pipe Routing Hole (Front)
7	Pipe Routing Hole (Side)
8	Pipe Routing Hole (Back)

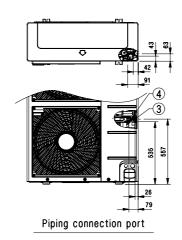


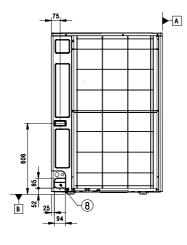








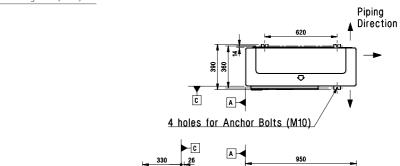


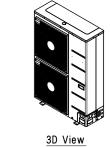


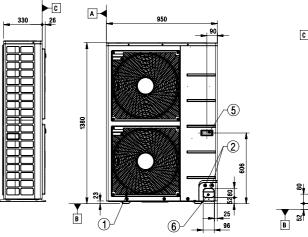
(Unit:mm)

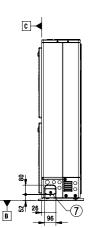
		PART NAME
	1	Air Outlet
	2	Power and Communication Cable Hole
	3	Gas Pipe Connection
	4	Liquid Pipe Connection
	5	Handle
	6	Pipe Routing Hole (Front)
	7	Pipe Routing Hole (Side)
	8	Pipe Routing Hole (Back)

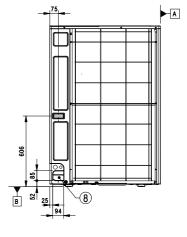
Piping connection port

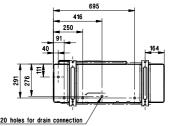












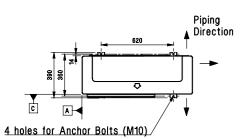
#### STANDARD INVERTER (R410A)

#### UU70W U34

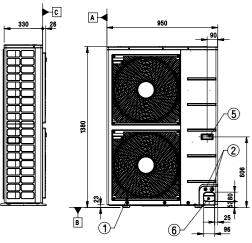
(Unit:mm)

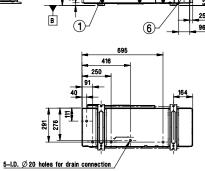
	PART NAME
1	Air Outlet
2	Power and Communication Cable Hole
3	Gas Pipe Connection
4	Liquid Pipe Connection
5	Handle
6	Pipe Routing Hole (Front)
7	Pipe Routing Hole (Side)
8	Pipe Routing Hole (Back)

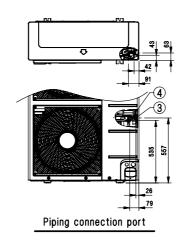


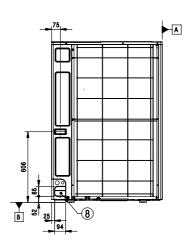


C-









#### STANDARD INVERTER (R410A)

#### UU85W U74

(Unit:mm)

		PART NAME
	1	Gas Piping Connection
	2	Liquid Piping Connection
	3	Air Inlet
	4	Air Outlet
	5	Drain Hole 22
	6	Power and communication Cable Hole
	7	Power and communication Cable Hole
	8	Power and communication Cable Hole

