

STANDARD INVERTER (R32)

UQ09F / UQ12F / UQ18F



UUA1 ULO

UUB1 U20



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

COMBINATION				9	12	18
Capacity	Cooling	Min. / Rated / Max.	kW	1.5 / 2.6 / 3.4	1.5 / 3.5 / 4.0	2.0 / 5.0 / 5.8
	Heating	Min. / Rated / Max.	kW	1.6 / 3.1 / 3.9	1.6 / 4.0 / 4.3	2.0 / 4.9 / 5.4
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.30 / 0.65 / 0.91	0.30 / 1.00 / 1.46	0.40 / 1.75 / 2.45
	Heating	Min. / Rated / Max.	kW	0.30 / 0.74 / 1.08	0.30 / 1.05 / 1.58	0.30 / 1.56 / 2.11
Running Current	Cooling	Rated	A	2.9	4.4	8.3
	Heating	Rated	A	3.3	4.7	8.0
EER / COP			kWh / kWh	4.00 / 4.20	3.50 / 3.80	2.85 / 3.14
SEER / SCOP			kWh / kWh	6.5 / 4.0	6.4 / 4.0	5.8 / 3.8
Pdesign	Cooling @ 35°C		kW	2.6	3.5	5
	Heating @ -10°C		kW	2.8	3	3.8
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A+ / A
Annual Energy Consumption	Cooling / Heating		kWh	140 / 980	191 / 1,050	302 / 1,396
Dehumidification Rate			l/h	0.7	1.3	2.4
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	49 / 52	47 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	63
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-15 / 50	-15 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18
INDOOR				UQ09F NAO	UQ12F NAO	UQ18F NAO
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	37 / 30 / 25	37 / 30 / 25	44 / 39 / 35
Air Flow Rate		H / M / L	m³/min	8.5 / 6.7 / 5.0	8.5 / 6.7 / 5.0	10.1 / 8.6 / 7.2
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210	700 x 600 x 210
Weight	Body		kg	16.3	16.3	16.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	38 / 32 / 27	38 / 32 / 27	44 / 39 / 35
Sound Power Level	Cooling	Max.	dB(A)	59	59	60
Piping Connections	Drain	O.D. / I.D.	mm	Ø16.7 / 12.2	Ø16.7 / 12.2	Ø16.7 / 12.2
OUTDOOR				UUA1 ULO	UUB1 U20	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	15	20	
Power Supply Cable (Included Earth)			No x mm³	3C x 1.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	
Weight	Net		kg	33.3	44.5	
Compressor	Type		-	Twin Rotary	Twin Rotary	
	Type		-	R32	R32	
	GWP (Global Warming Potential)		-	675	675	
	Precharged Amount		kg	1.0	1.2	
	t-CO ₂ eq		-	0.675	0.81	
Refrigerant	Additional Charge (After 7.5m)		g/m	20	20	
	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	
Total Piping Length		Min. / Max.	m	5 / 30	5 / 30	
Piping Elevation	IDU - ODU	Max.	m	30	30	

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 0m.

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)

FLOOR STANDING



Stylish Design

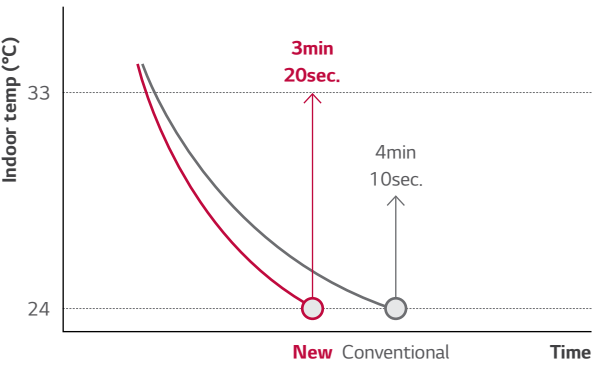
The new LG floor standing air conditioner which is Red Dot design award winner 2013, is ideal for modern interiors in your home or office.



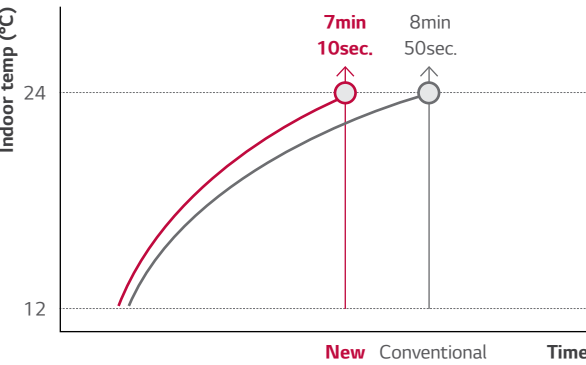
Quick Response

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

Cooling



Heating



Powerful Air Flow

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



STANDARD INVERTER (R410A)

UP48



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

UU48W U32 UU49W U32



INDOOR				UP48 NT2	
Capacity	Cooling	Min. / Nom. / Max.	kW	6.0 / 13.4 / 15.2	
	Heating	Min. / Nom. / Max.	kW	6.0 / 15.5 / 17.1	
Low Temperature Capacity	Heating -7°C	Max.	kW	16.0	
	Cooling	Nom.	kW	4.2	
Power Input (Set)	Heating	Nom.	kW	4.5	
		Nom.	W	200	
Running Current	Cooling / Heating	Nom.	A	18.1 / 19.5	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	
EER				3.21	
COP				3.41	
SEER				5.05	
SCOP				3.51	
Pdesign (@ -10°C)			kW	11.5	
Seasonal Energy Label	Cooling / Heating			-	
Annual Energy Consumption	Cooling / Heating		kWh	-	
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	
	Gas		mm (inch)	Ø15.88 (5/8)	
	Drain	O.D. / I.D.	mm	32 / 25	
Air Flow Rate		High / Medium / Low	m³/min	31 / 27 / 23	
Sound Pressure	Cooling	High / Medium / Low	dB(A)	52 / 49 / 45	
Sound Power	Cooling	Max.	dB(A)	65	
Dehumidification Rate			l/h	5.0	
Dimensions	Body	W x H x D	mm	590 x 1,840 x 460	
Net Weight	Body		kg	50.0	
OUTDOOR				UU48W U32	UU49W U32
Compressor	Type			Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	110	110
Sound Pressure	Cooling	Nom	dB(A)	52	52
	Heating	Nom	dB(A)	54	54
Sound Power	Cooling	Max	dB(A)	72	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	92.0	96.0
Refrigerant	Type		-	R410A	R410A
	Charge		g	3,400	3,400
	Additional Charge		g/m	40	40
	GWP		-	2087.5	2087.5
	TCO ₂ eq		-	7.1	7.1
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C WB	-18 / 18	-18 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	3C x 5.0	5C x 5.0
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	20
Piping Length Total		Min. / Max.	m	5 / 75	5 / 75
Piping Elevation Difference	IDU - ODU	Max.	m	30	30
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)

Note :

- Due to our policy of innovation some specifications may be changed without notification.
- 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 0m.
- 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.
- This product contains fluorinated greenhouse gases. (R410A)

Communication Kit



PAHCMR000 / PAHCMS000

Specification

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

Function list for Communication kit

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

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

Combination Table

		R32				R410A	
Model Name		UUA1 ULO	UUB1 U20	UUC1 U40	UUD1 U30 UUD3 U30	UU70W U34	UU85W U74
Capacity Index Range	kBtu/h	9 ~ 18	18 ~ 30	24 ~ 36	36 ~ 60	70	85
	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

ACCESSORIES



LG Wi-Fi Modem

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



PWFMD200

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.
- LG's exclusive Home Appliances control app (LG ThinQ) is available.
- Simple operation for various functions.
 - On / Off
 - Operation Mode
 - Current / Set Temperature
 - Fan Speed
 - Vane Control ¹⁾
 - Reservation (Sleep, Weekly On / Off)
 - Energy Monitoring ²⁾
 - Filter Management
 - Error Check
 - Air Purify ³⁾

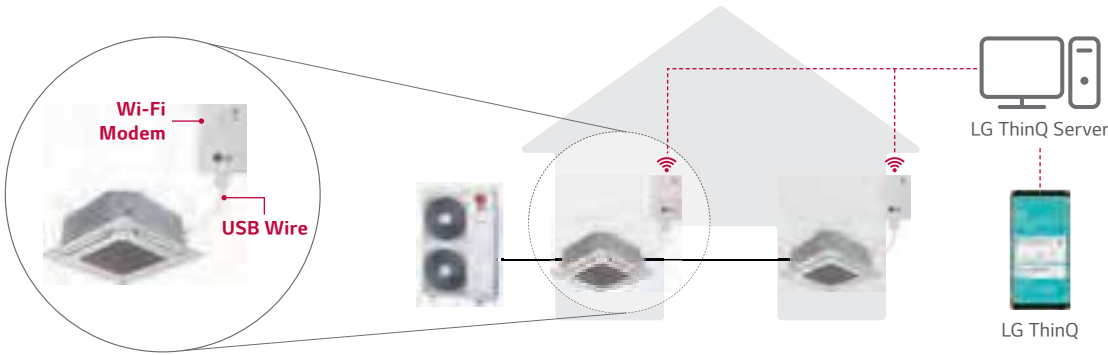
Model Name	PWFMD200
Size (W x H x D, mm)	48 x 68 x 14
Interfaceable Products	System Air Conditioner ³⁾
Connection Type	Indoor unit 1:1
Communication Frequency	2.4 GHz
Wireless Standards	IEEE 802.11b/g/n
Mobile Application	LG ThinQ (Android v4.1(Jellybean) or higher, iPhone iOS 9.0 or higher)
Optional 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
PREMTB100



Standard III
PREMTBB10



Standard II
PREMTB001



Standard II
PREMTBB01

Model Name	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01
Operation Mode	On / Off, Fan Speed Control, Temperature Setting	
Mode Change	Cooling, Heating, Auto, Dehumidification, Fan	
Auto Swing / Vane Control	•	•
Reservation	Simple, Sleep, On / Off, Weekly, Holiday	
Time Display	•	•
Electrical Failure Compensation	•	•
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	•	•

※ Refer to each model PDB for applicable models.

Remote Controller



PWSB21H

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 / Therna V

※ Refer to each product PDB for applicable models.

Dry Contact



PDRYCB000



PDRYCB400



PDRYCB320



PDRYCB500

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	•	•	•	•

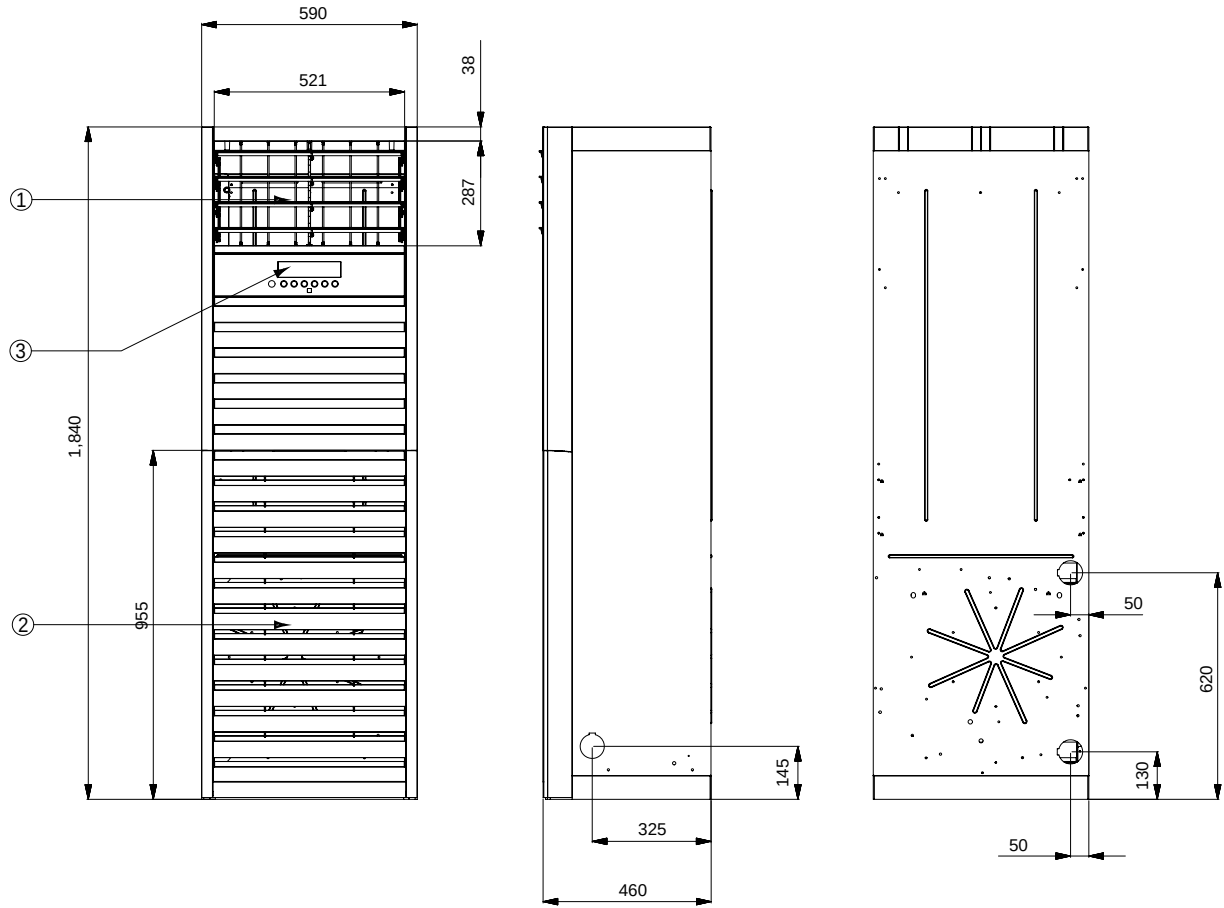
※ Refer to each product PDB for applicable models.

STANDARD INVERTER (R410A)

UP48 NT2

(Unit : mm)

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

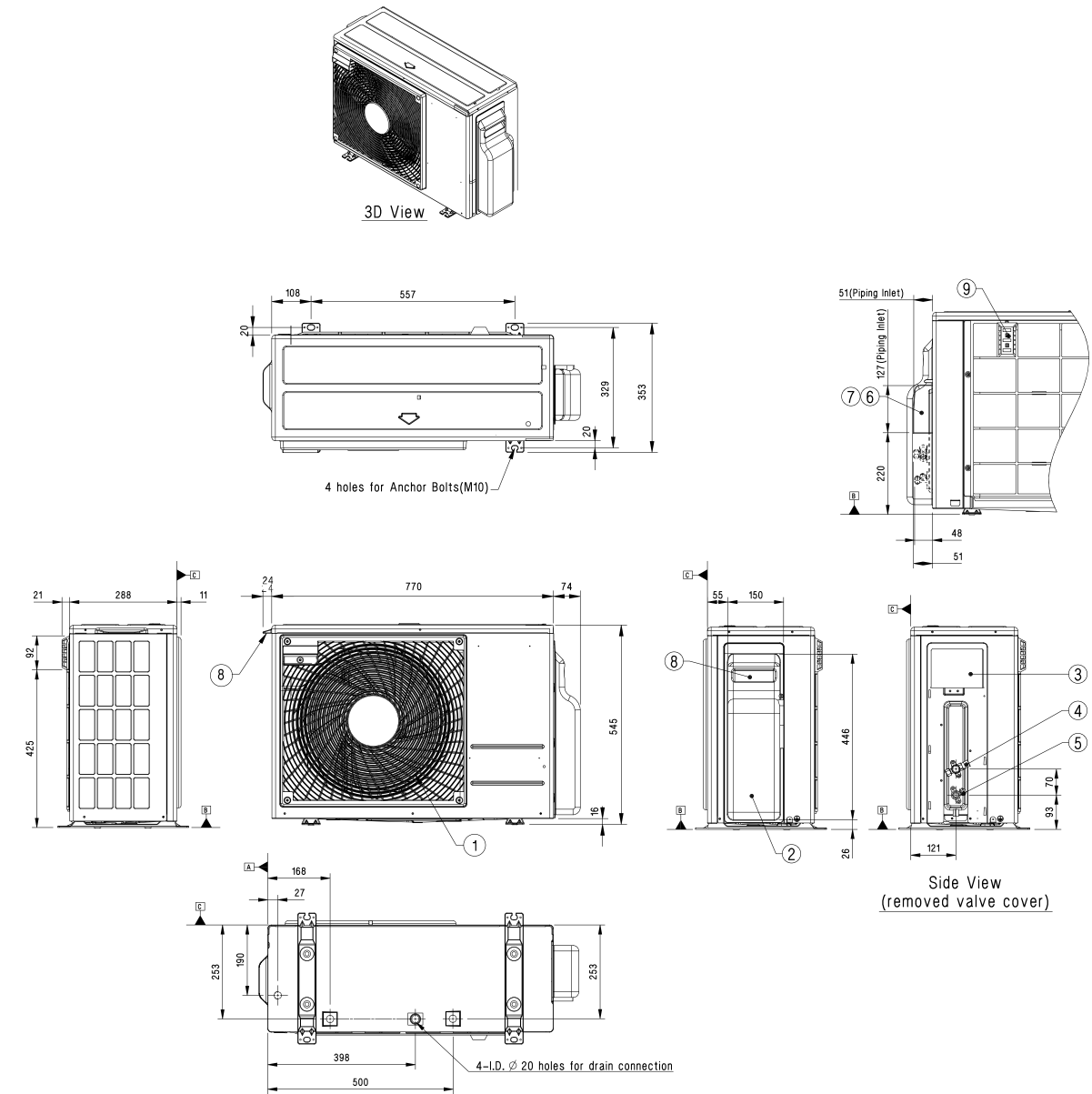


HIGH / STANDARD / COMPACT INVERTER (R32)

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

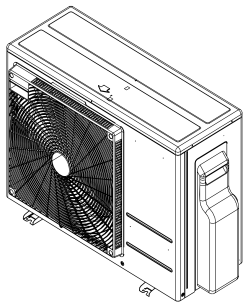


HIGH / STANDARD / COMPACT INVERTER (R32)

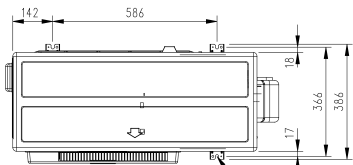
UUB1 U20

(Unit : mm)

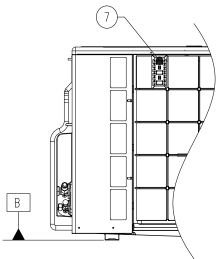
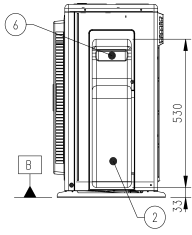
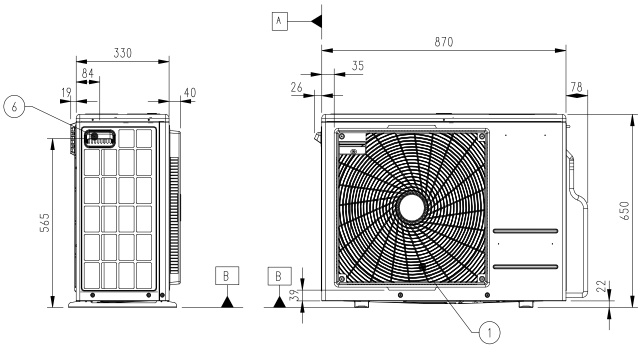
	PART NAME
1	Air Outlet
2	Control Cover & SVC Valve Cover
3	Power and Communication Cable Connection
4	Gas Pipe Connection
5	Liquid Pipe Connection
6	Handle
7	Intake Air Temperature Sensor Cover



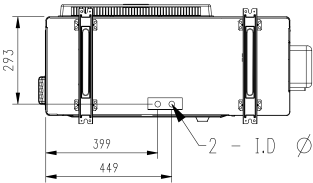
3D View



4 holes for Anchor Bolts (M10)



Side View
(removed valve cover)



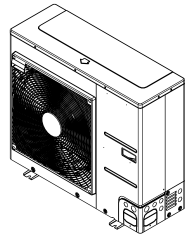
2 - I.D. Ø 20 Holes for drain connection

HIGH / STANDARD / COMPACT INVERTER (R32)

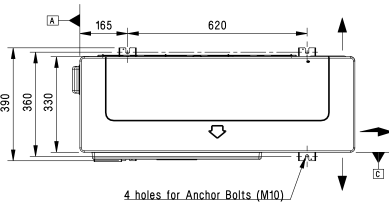
UUC1 U40

(Unit : mm)

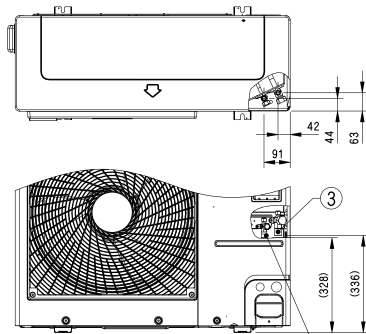
	PART NAME
1	Air Outlet
2	Power and Communication Cable Hole
3	Gas Pipe Connection
4	Liquid Pipe Connection
5	Handle
6	Pipe Routing Hole (Front)
7	Pipe Routing Hole (Side)
8	Pipe Routing Hole (Back)



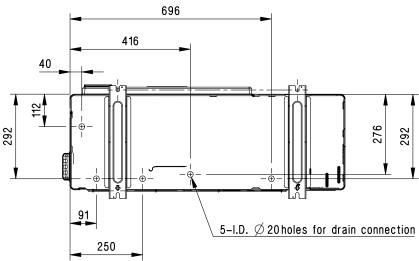
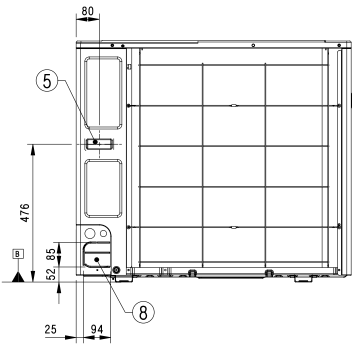
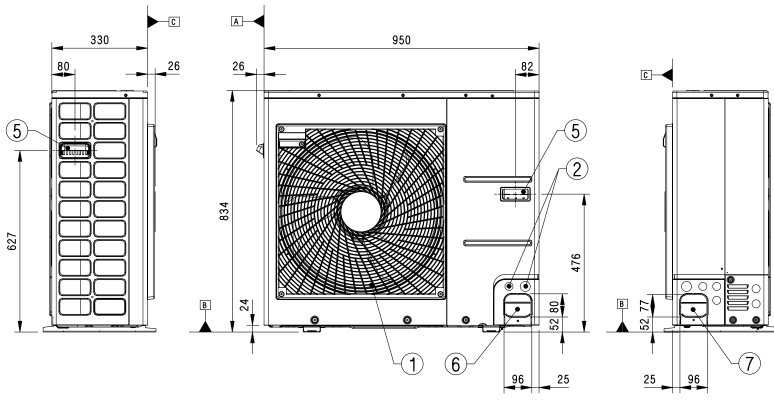
3D View



4 holes for Anchor Bolts (M10)



Piping connection port

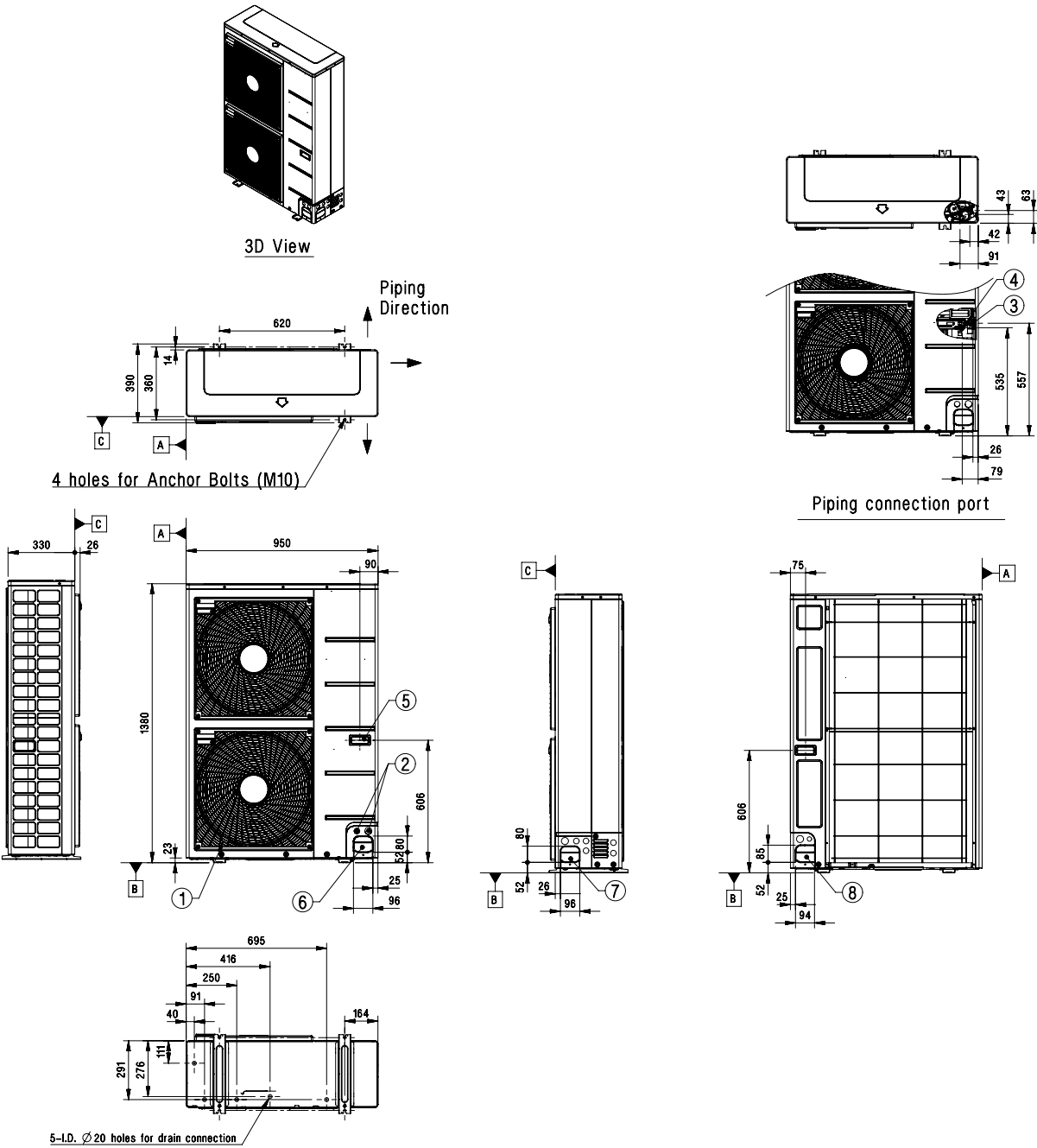


5-I.D. Ø 20holes for drain connection

STANDARD INVERTER (R32)
UUD1 U30 / UUD3 U30

(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)



STANDARD INVERTER (R410A)
UU48W U32 / UU49W U32

(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)

