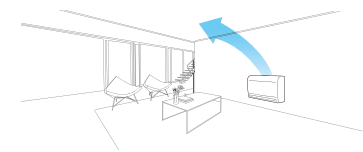


# CONSOLE

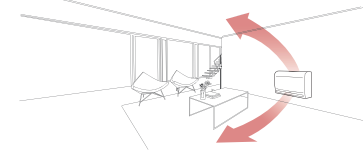
## Optimized Air Flow for Cooling & Heating

During cooling operation, the vane adjusts upwards to direct air flow toward the ceiling. During heating operation, the van directs the air flow toward the floor to balance out the room temperature. A wireless controller is included with the indoor console unit.

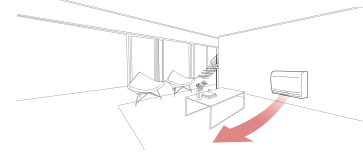
### Cooling



### Heating (Normal)



### Heating (Floor Heating Mode)



## Quick Floor Heating

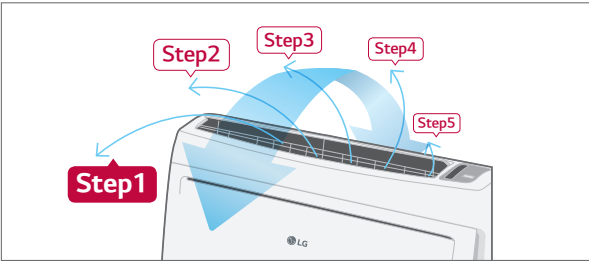
Console air conditioners portray high speed and powerful performance. Using the floor heating mode, console air conditioners provide floor heating at a faster pace in order to reach desired temperature more quickly.

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

※ Test Condition : Target Temp 23°C, Indoor Room : 13°C~, Outdoor Room : 7°C

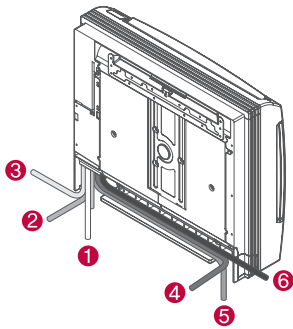
## 5-Step Vane Control

There are 5 different stages to control air flow direction.

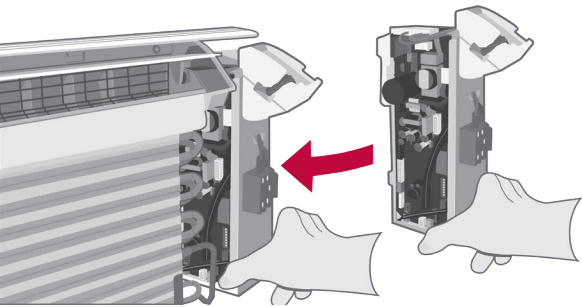


## Easy Installation and Service

### 6 Different Ways to Install Piping



### Easy Slide-type PCB



## STANDARD INVERTER (R32)

UQ09F / UQ12F / UQ18F



LG participates in the ECP programme for EUROVENT AC program.  
Check ongoing validity of certification  
: [www.eurovent-certification.com](http://www.eurovent-certification.com)

UUA1 ULO

UUB1 U20

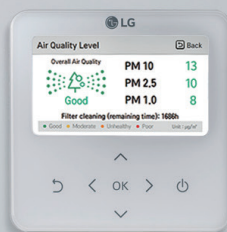


| COMBINATION                         |                                |                     |              | 9                  | 12                 | 18                 |
|-------------------------------------|--------------------------------|---------------------|--------------|--------------------|--------------------|--------------------|
| 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        |                    |
| Refrigerant                         | Type                           |                     | -            | R32                | R32                |                    |
|                                     | GWP (Global Warming Potential) |                     | -            | 675                | 675                |                    |
|                                     | Precharged Amount              |                     | kg           | 1.0                | 1.2                |                    |
|                                     | t-CO <sub>2</sub> eq           |                     | -            | 0.675              | 0.81               |                    |
|                                     | Additional Charge (After 7.5m) |                     | g/m          | 20                 | 20                 |                    |
| Fan                                 | 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 :

- 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. (R32)

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

| Model Name               | PWFMD200                                                               |
|--------------------------|------------------------------------------------------------------------|
| Size (W x H x D, mm)     | 48 x 68 x 14                                                           |
| Interfaceable Products   | System Air Conditioner <sup>3)</sup>                                   |
| Connection Type          | Indoor unit 1:1                                                        |
| Communication Frequency  | 2.4 GHz                                                                |
| Wireless Standards       | IEEE 802.11b/g/n                                                       |
| Mobile Application       | ThinQ<br>(Android v4.1(Jellybean) or higher, iPhone iOS 9.0 or higher) |
| Optional Extension Cable | PWYREW000 (10m extension)                                              |

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

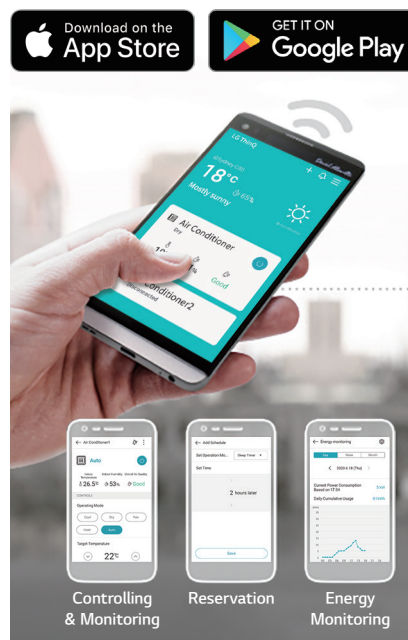
2. User interface of application shall be revised for its design and contents improvement.

3. Application is optimized for smartphone use, so it may not be well functioning with tablet devices.

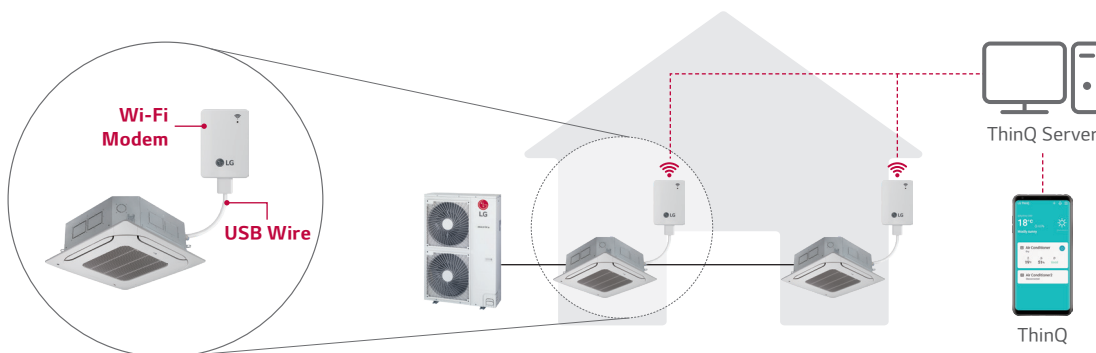
1) Vane Control may not be possible according to the type of Indoor unit.

2) LG Centralized controller and PDI installation is required for this function.

3) For the compatibility with indoor units, regional LG office.



## Overview



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

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

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

## Standard Wired Remote Controller

For more  
LG Air Conditioner  
information,  
please visit  
our Youtube  
channel through  
QR code.



**Standard III**  
PREMTB100



**Standard III**  
PREMTBB10



**Standard II**  
PREMTB001



**Standard II**  
PREMTBB01

| Model Name                          | PREMTB100<br>PREMTBB10                           | PREMTB001<br>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                           | •                                                | •                      |

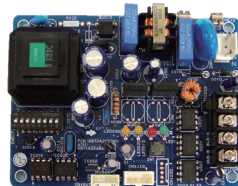
※ Refer to each model PDB for applicable models.

## Remote Controller

## PI 485



**PWLSSB21H**



**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 / Thermo 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        | •                                 | •                                | •                                | •                                 |

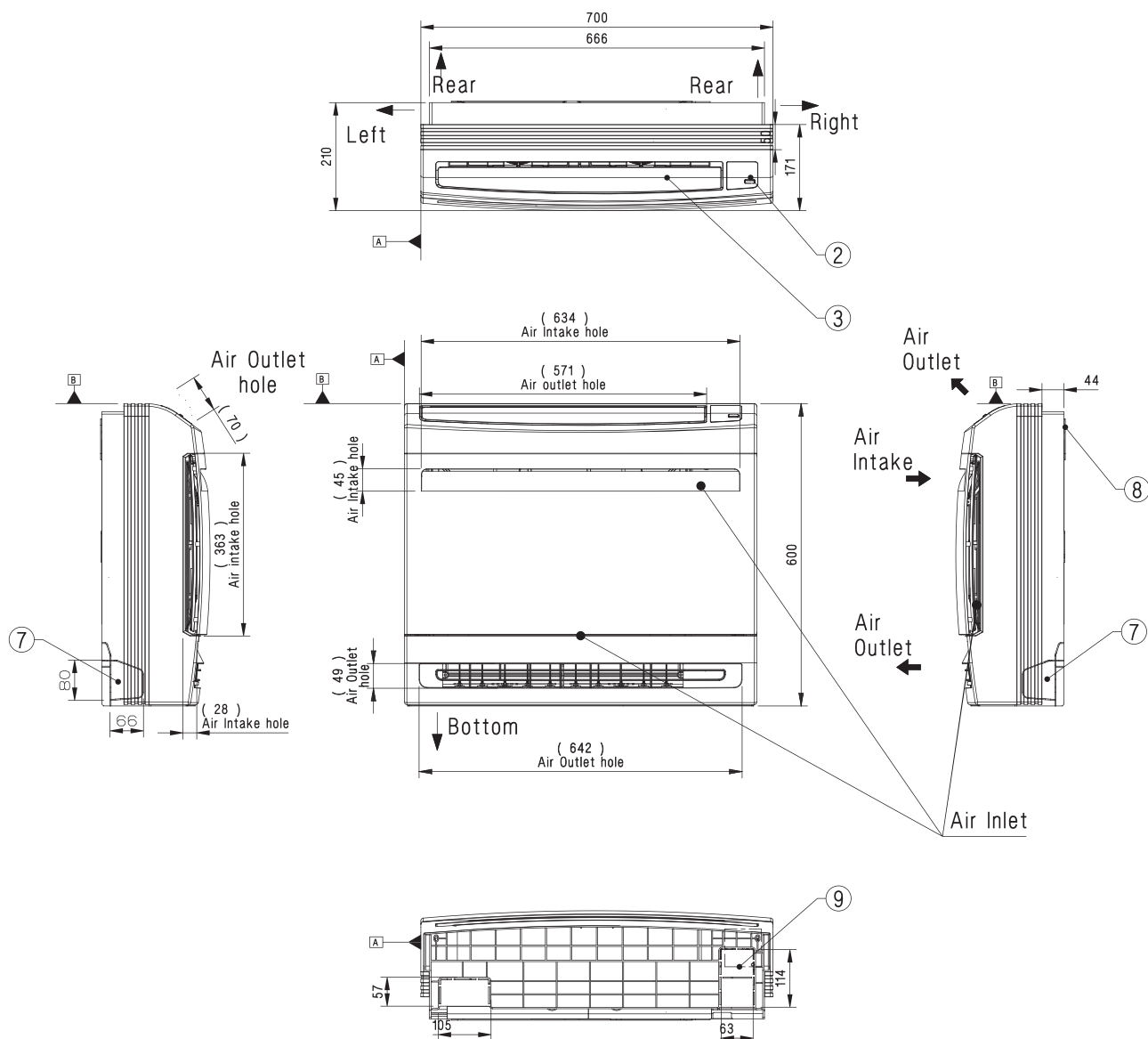
# CONSOLE

## STANDARD INVERTER (R32)

UQ09 NAO / UQ12 NAO / UQ18 NAO

(Unit : mm)

|   | PART NAME                                       |
|---|-------------------------------------------------|
| 1 | Air Suction Grille                              |
| 2 | Remote Controller Signal Receiver               |
| 3 | Air Discharge Grille                            |
| 4 | Gas Pipe Connection                             |
| 5 | Liquid Pipe Connection                          |
| 6 | Drain Hose Connection                           |
| 7 | Refrigerant / Drain Pipe & Cable Routing Hole   |
| 8 | Installation Plate                              |
| 9 | Terminal Block for Power Supply & Communication |



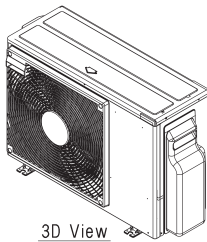
# UNIVERSAL OUTDOOR

## HIGH / STANDARD / COMPACT INVERTER (R32)

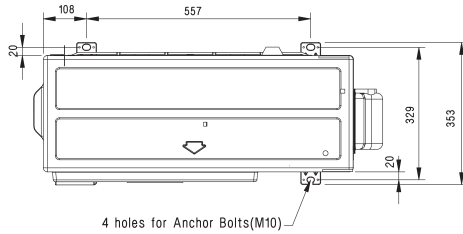
### UUA1 ULO

(Unit : mm)

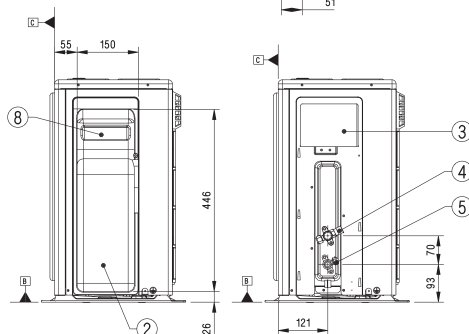
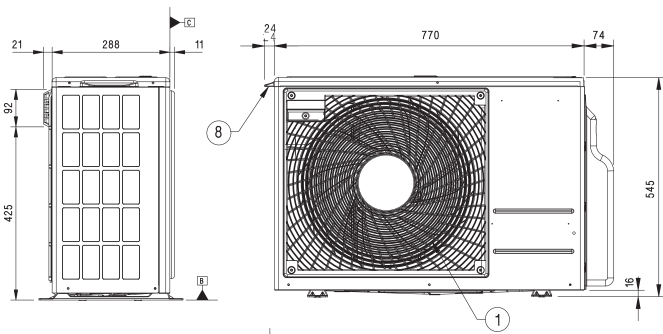
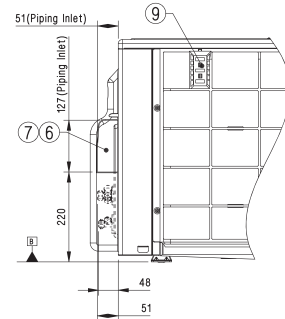
|   | PART NAME                                  |
|---|--------------------------------------------|
| 1 | Air Outlet                                 |
| 2 | Control Cover & SVC Valve Cover            |
| 3 | Power and Communication Cable Connection   |
| 4 | Gas Pipe Connection                    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



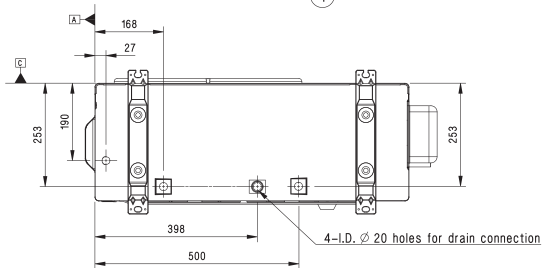
3D View



4 holes for Anchor Bolts(M10)



Side View  
(removed valve cover)

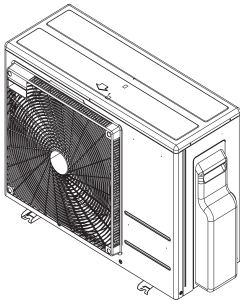


HIGH / STANDARD / COMPACT INVERTER (R32)

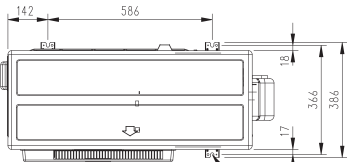
UUB1 U20

(Unit : mm)

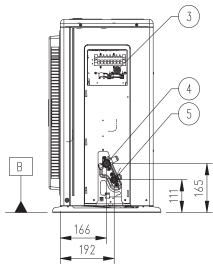
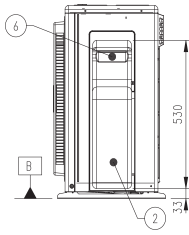
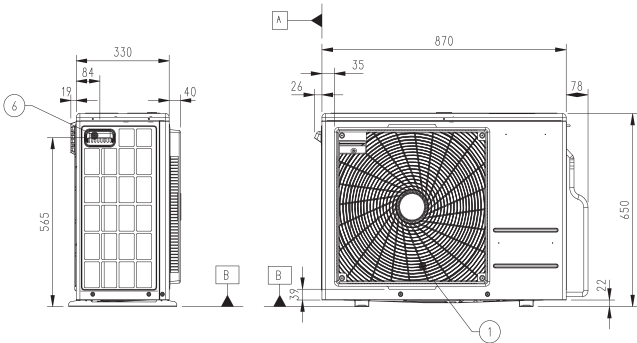
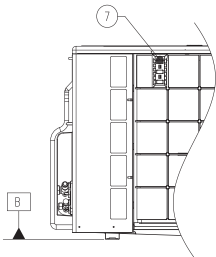
|   | PART NAME                                |
|---|------------------------------------------|
| 1 | Air Outlet                               |
| 2 | Control Cover & SVC Valve Cover          |
| 3 | Power and Communication Cable Connection |
| 4 | Gas Pipe Connection                      |
| 5 | Liquid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



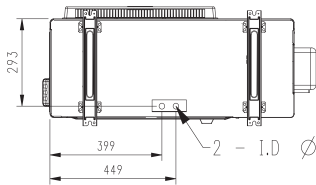
3D View



4 holes for Anchor Bolts (M10)



Side View  
(removed valve cover)



2 - I.D Ø 20 Holes for drain connection