

# 2023 LG DUALCOOL SINGLE COMMERCIAL AIR CONDITIONER F



**LG Electronics**

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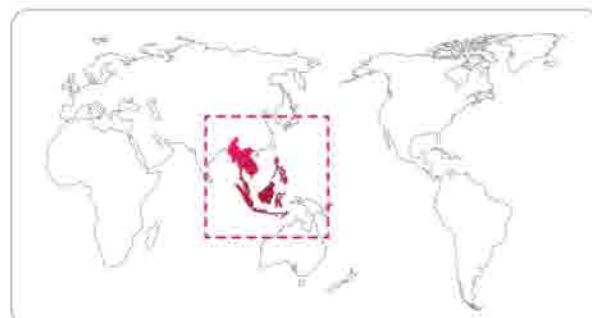


**FREE COMBINATION**

# ASIA COMMERCIAL AIRCONDITIONER INFRASTRUCTURE



-  Asia Regional Head Office
-  Air Conditioner Academy (Training Facility)
-  Subsidiary Head Office
-  Production Site



# GLOBAL PRODUCTION SITE



## TOTAL HVAC SOLUTION PROVIDER

Since manufacturing Korea's first air conditioner exclusively designed for residential use in 1968, LG has been a pioneer of air conditioning innovation. Encouraged by LG's technological leadership in the residential air conditioning sector since the late 1990s, LG moved into the commercial air conditioning sector.

LG has established itself as an exemplary HVAC and energy solutions provider, investing in new technologies, with the addition of chiller, VRF systems and building management systems (BMS) to its comprehensive product portfolio. Alongside its wide range of innovative solutions, the LG promise is to deliver unparalleled customer service.

LG produces expert air conditioning professionals at its academic centers, of which there are nearly 80 worldwide. These academic centers provide workshops and training programs that offer excellent hands-on experience. Additionally, LG provides advanced and highly sophisticated tools for HVAC system engineers and installers, including its time saving LG Air Conditioner Technical Solution (LATS) software. LATS allows LG to support clients with draft energy estimation and energy modeling, model selection and design, lifecycle cost analysis and more to ensure a seamless process from planning to execution. LG also operates several state-of-the-art R&D facilities all across the planet.

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## STANDARD INVERTER (R32, R410)

STANDARD INVERTER										
HP	Refrigerant	Ceiling Cassette			Floor Standing	Ceiling Concealed Duct		Ceiling Suspended	ODU	
		4 Way	1Way	Round		Low Static	Mid Static		1 Phase	3 Phase
1.5	R32		1 Phase						ZUAA1	
2	R32	1 Phase	1 Phase			1 Phase	1 Phase		ZUAB1	
2.5	R32	1 Phase	1 Phase			1 Phase	1 Phase		ZUAC1	
4	R32	1 Phase		1 Phase			1 Phase	1 Phase	ZUAD1	
5	R32	1 Phase		1 Phase			1 Phase	1 Phase	ZUAD1	
6	R32						1 Phase		ZUAE1	
	R410A							1 Phase	APUQ60GT3E4 AUUQ60GH4	
10	R410A								APUQ100LFA0	
15	R410A								APUQ150LNA0	
20	R410A								APUQ200LNA0	

※ Please refer to the specification pages for detail Indoor-Outdoor combination information.

## ENTRY INVERTER (R32)

ENTRY INVERTER (R32)					
HP	Refrigerant	Ceiling Cassette	Floor Standing	Ceiling Suspended	ODU
		4 Way			1 Phase
2	R32	1 Phase			ZUAA1
2.5	R32	1 Phase		1 Phase	ZUAB1
					ZUAC1
3	R32	1 Phase	1 Phase	1 Phase	ZUAC1
4	R32	1 Phase	1 Phase	1 Phase	ZUAC1
6	R32	1 Phase	1 Phase	1 Phase	ZUAE1

※ Please refer to the specification pages for detail Indoor-Outdoor combination information.

FEATURE OVERVIEW

● Available ○ Refer to description ✕ Not available

TYPE		STANDARD				
Outdoor Unit		ZUAA1 (1Ø)	ZUAB1 (1Ø)	ZUAC1 (1Ø)	ZUAD1 (1Ø)	ZUAE1 (1Ø)
Energy Efficiency	BLDC Comp & Fan Motor	●	●	●	●	●
	Power Saving Start up	●	●	●	●	●
	Peak Current Control	✕	✕	●	●	●
	Mode Lock	✕	✕	●	●	●
Comfort Environment	Comfort Cooling with Humidity sensor*	○	○	○	○	○
	Night Silent Operation	✕	✕	●	●	●
	Continuous Cooling Operation	●	●	●	●	●
High Performance & Reliability	Twin Rotary Compressor	●	●	●	●	●
	Gold Fin Heat Exchanger	●	●	●	●	●
	Long Pipe Installation	●	●	●	●	●
Convenient Control System	ThinQ**	●	●	●	●	●
	Easy Control (PI-485 Connection)	●	●	●	●	●
	Mobile LG MV	●	●	●	●	●
	Weekly Program***	○	○	○	○	○

\* Need wired remote controller PREMTB100 / PREMTBB10 (Not available for Floor standing indoor unit)  
 \*\* Available with LG Wi-Fi modem and it should be connected to the indoor unit. (Contact sales office for detail)  
 \*\*\* Weekly program is available with wired remote controller.

FEATURE OVERVIEW

● Available ○ Refer to description ✕ Not available

TYPE		ENTRY			
Outdoor Unit		ZUAA1 (1Ø)	ZUAB1 (1Ø)	ZUAC1 (1Ø)	ZUAE1 (1Ø)
Energy Efficiency	BLDC Comp & Fan Motor	●	●	●	●
	Power Saving Start up	●	●	●	●
	Peak Current Control	✕	✕	●	●
	Mode Lock	✕	✕	●	●
Comfort Environment	Comfort Cooling with Humidity sensor*	○	○	○	○
	Night Silent Operation	✕	✕	●	●
	Continuous Cooling Operation	●	●	●	●
High Performance & Reliability	Twin Rotary Compressor	●	●	●	●
	Gold Fin Heat Exchanger	●	●	●	●
	Long Pipe Installation	●	●	●	●
Convenient Control System	ThinQ**	●	●	●	●
	Easy Control (PI-485 Connection)	●	●	●	●
	Mobile LG MV	●	●	●	●
	Weekly Program***	○	○	○	○

\* Need wired remote controller PREMTB100 / PREMTBB10  
 \*\* Available with LG Wi-Fi modem and it should be connected to the indoor unit. (Contact sales office for detail)  
 \*\*\* Weekly program is available with wired remote controller.

## Green Refrigerant

R32 is environment friendly and classified as a highly efficient 'Go Green' refrigerant.



### Reducing Global Warming & Ozone Layer Depletion

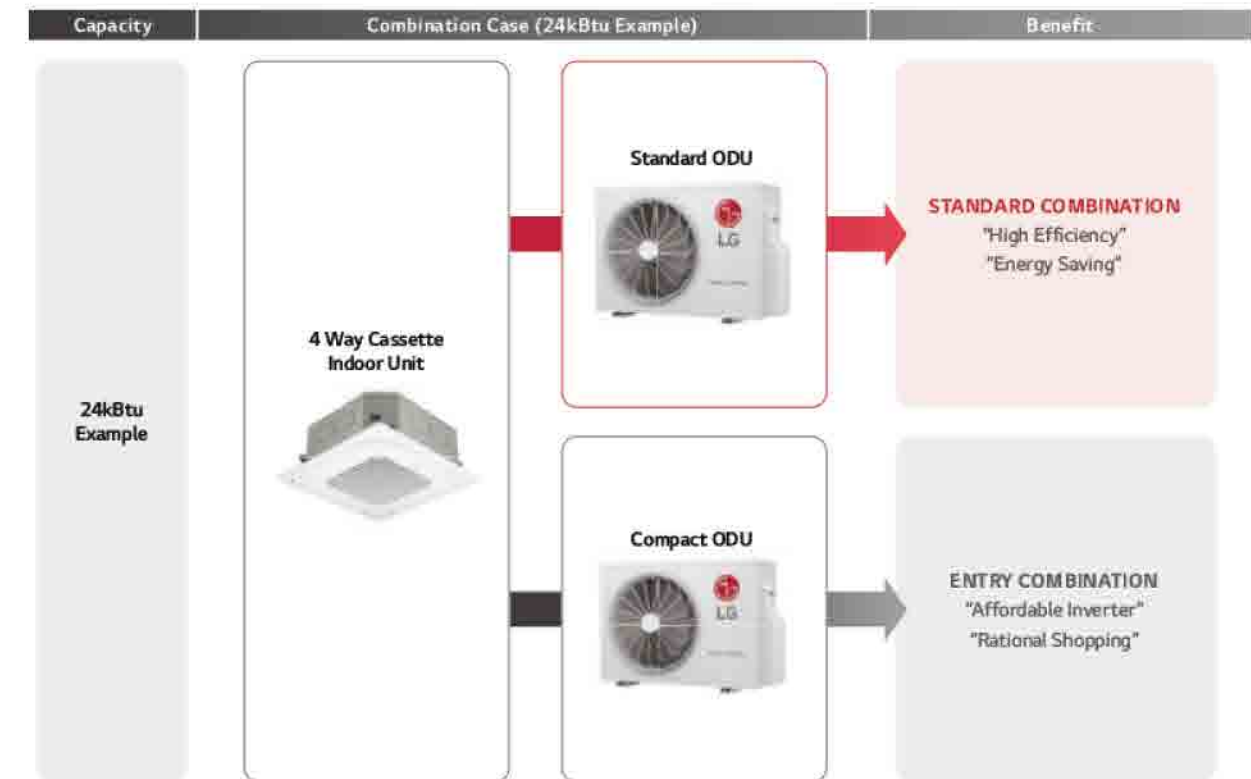
The quantity of R32 refrigerant used is appreciably low as compared to the R410A refrigerant. Consequently, this results in decreasing the potential of Global warming and minimal depletion of the ozone layer. Comparative case studies of the different refrigerants are indicated in the table as below.

	R410A	R32
Composition	Blend of R32 50% + R125 50%	Pure R32 (No blend)
GWP (Global Warming Potential)	2087.5	675

## Free Combination Concept & Benefits

### Customer Benefit

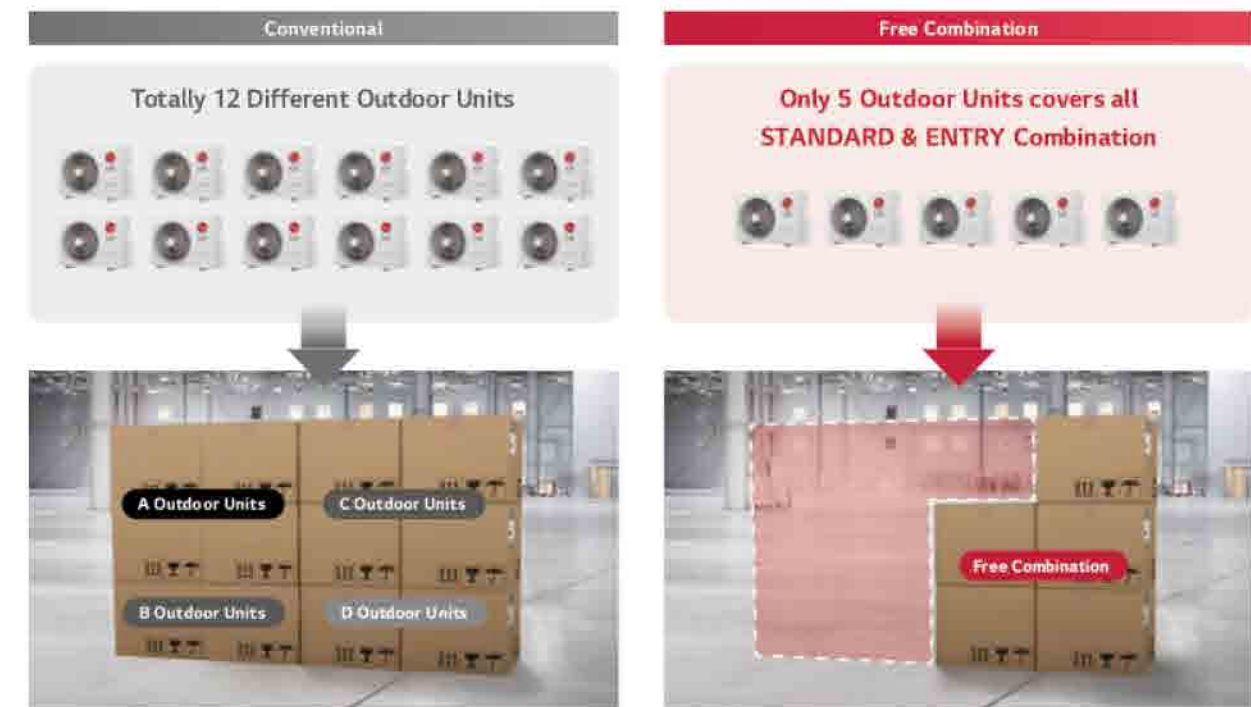
Customers can choose the combination based on their purchase purpose.



※ Please refer to the specification pages for available Entry combination products & capacities.

### Dealer Benefit

Simplified Outdoor line-up will make stock & warehouse operation easier.



※ Based on 9-48kBTu Single Commercial A/C line up.

## Improved BLDC Dual Inverter Compressor

Product safety and Durability are assisted by advanced BLDC Dual Inverter compressor.



### Parts of Dual Inverter Compressor Have Been Improved to Assure a Longer Lifespan.

**Flow Optimization**  
Reduced oil inflow by increasing the length of oil discharge pipe, which keeps enough oil inside the compressor to prevent compressor abrasion.

**Suction Optimization**  
Reduced suction loss and improving oil collection through the optimization of suction path.

**Concentrated Winding Motor**  
Oil path area is improved by over 50% by increasing the extra stator cavity. Due to this, caloric value of motor is reduced, improving the cooling function of stator coil.

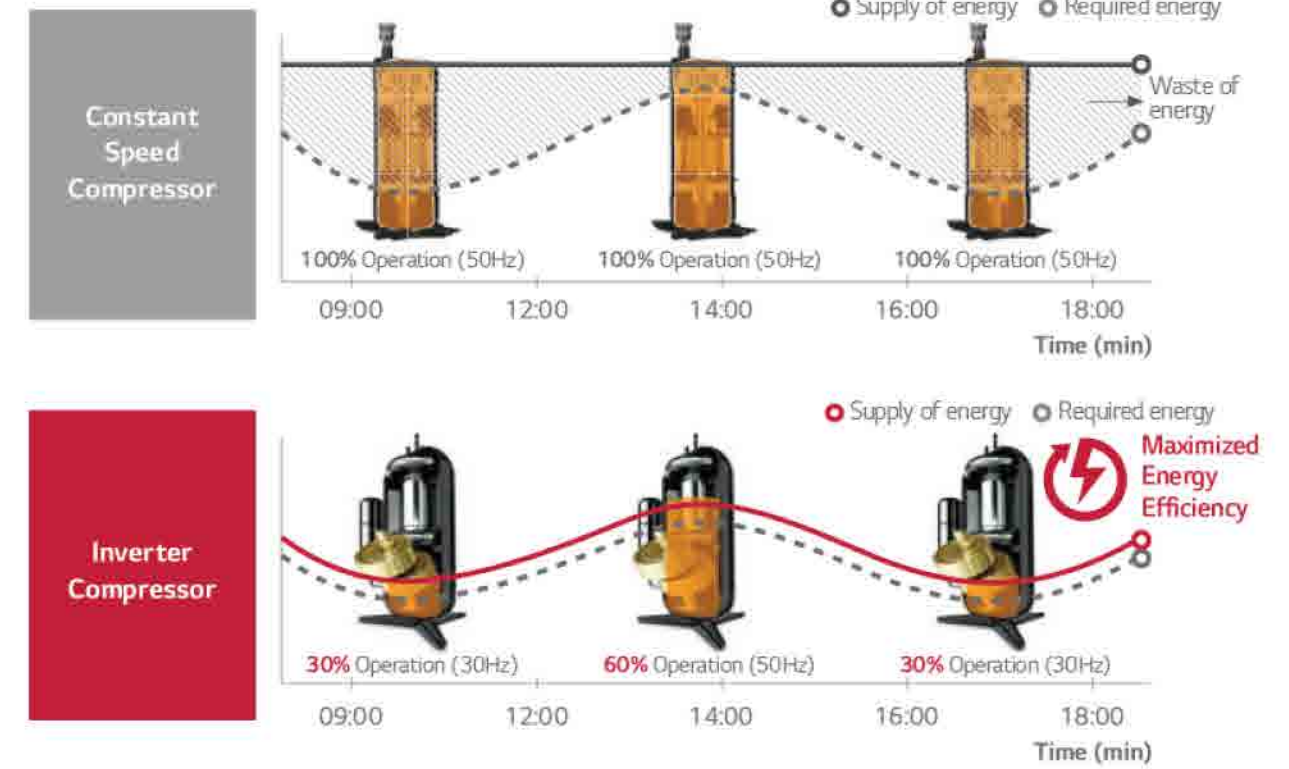
**Surface Coating**  
Surface coating of outstanding abrasion resistance property on vane and crank shaft.

**Twin Rotary Rotor**  
Upper and lower part rotor offset imbalance in shaft rotor rotation. Vibration and noise are reduced. Max torque load decreased by 45% compared to single rotor.

**Dual Inverter Compressor**

## Constant-speed Compressor vs. Inverter Compressor

The compressor cleverly adjusts output according to its surroundings, bringing a number of benefits including world-class energy efficiency, improved comfort and sustained reliability.



## Smart Inverter

With LG's own cutting-edge inverter technology, high level EER can be achieved.



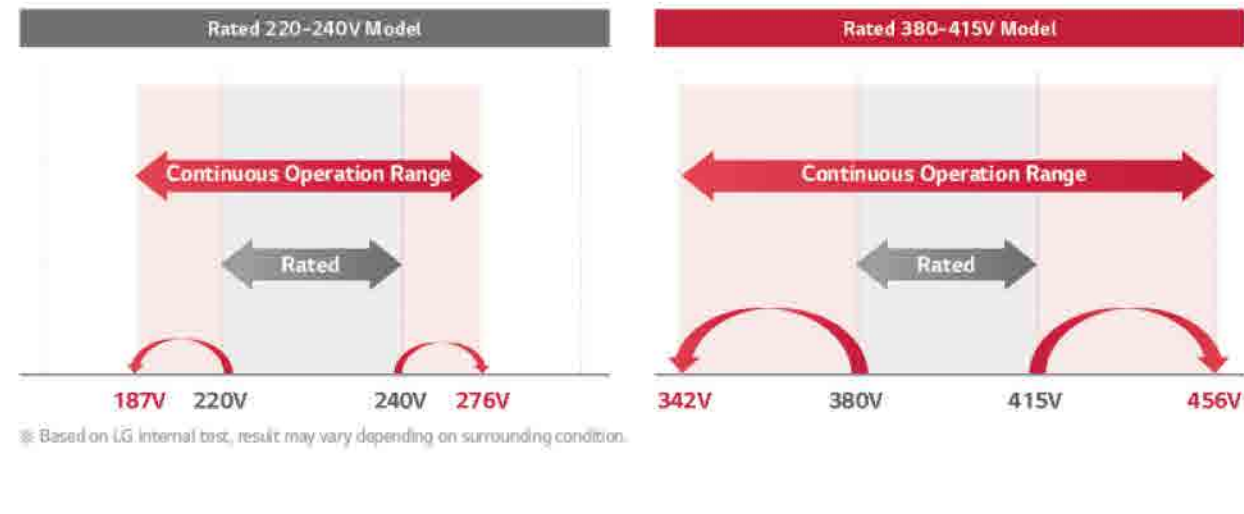
※ The EER level varies depending on the capacity (kW) of each product, this EER result is from standard type  
 ※ EER (Cooling) calculation = Rated Cooling capacity (W) / Rated Input power (W)





## Power Cooling at the Wide Voltage Range

LG Smart inverter is able to operate at a wider voltage range than constant speed model.



## Voltage Protection

LG circuit design can minimize the damage from surge, high & low voltage risk.



## Wide Operation Range (Outdoor temperature)

Product can be operated as low as -15°C to as high as 50°C outdoor temperature.



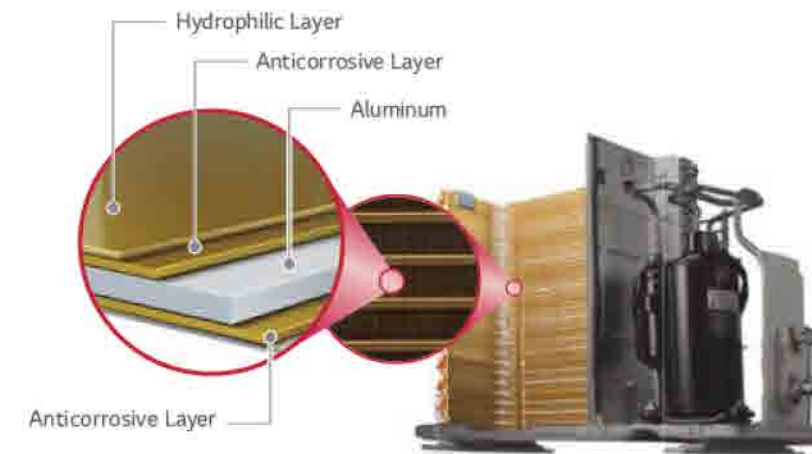
※ Operation range is varies by product type and capacity, please check specification for detail information.

## Gold Fin™

The Gold Fin™ coating protects the surface of the heat exchanger from corrosion and helps to extend lifespan of product.

### How It Works

**Corrosion-resistant Protective Layer**  
The gold-colored special coating on the fin of the heat exchanger prevents corrosion, extending the life of the unit.



### Test Result

Conventional Fin



Gold Fin™



\* Test result: 360 hrs. after being exposed to sodium chloride

## Wi-Fi Remote Control

Control your air conditioners using the smart devices as Android or iOS based smartphones and voice commands via Google assistant.



### Access your air conditioner anytime and from anywhere

Operation under the revised weather conditions before changing conditions impact indoor comfort.



### Simple operation for various functions

- On / Off \*\*
- Mode Selection \*\*
- Current temperature \*\*
- Set temperature \*\*
- Set fan speed \*\*
- Vane Control
- Reservation
- Filter Management
- Smart Diagnosis

\*\* Search "ThinQ" on Google market or App store then download the app.  
\* Wi-Fi modem (PWFMD200) is required by option.

\*\* This functions are used by Google assistant & Amazon Alexa  
\*\* In some countries, the use of the Google assistant & Amazon Alexa system may be restricted.

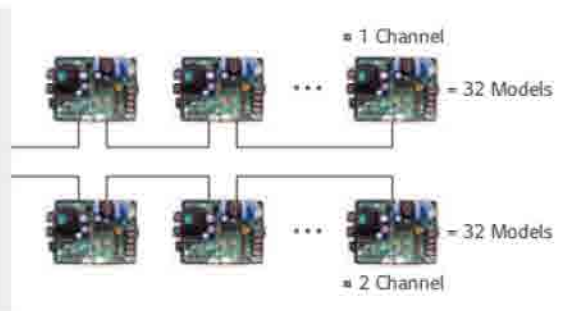
\*\* For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

## 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.



<b>AC Ez Touch (PACEZA000)</b> Max. 1 Channel Max. 32 unit	<b>AC Smart 5 (PACSSA000)</b> Max. 2 Channels Max. 64 unit	<b>ACP 5 (PACP5A000)</b> Max. 4 Channels Max. 128 unit
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## 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
03	Communication error : Wired Remote Controller ↔ Indoor Unit
⋮	



A technician not only can check the cycle 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 (PWFMD200) is required by option.

# CEILING MOUNTED CASSETTE 4 WAY



CEILING MOUNTED CASSETTE 4 WAY FEATURES

## Convenient and Powerful Air Purification

Easy to manage air purifying system with one-touch air cleaning filter.



1) Electrical diffusion makes dust electrification.  
\* Need optional Air Purification panel (PT-MPGW0) & Air Purification kit (PTAHMPO) & Wired remote (PREMTB100)

## Air Purification Technology

5-Steps air cleaning process removes invisible, ultra fine dust, odor and germs to ensure a clean and healthy living environment



### CAC Certification?

The Korea Air Cleaning Association strictly tests the air cleaning function of air conditioner products and provide certification to the product that give credibility to consumers.



## Various Display of Air Purification

Installed Wi-Fi leads unlimited boundary to control IDU and display Air Purification status.

### Smart Indicator

Shows quality of Indoor air in real time.



### Remote Controller

Display Air status and Fine Dust Concentration



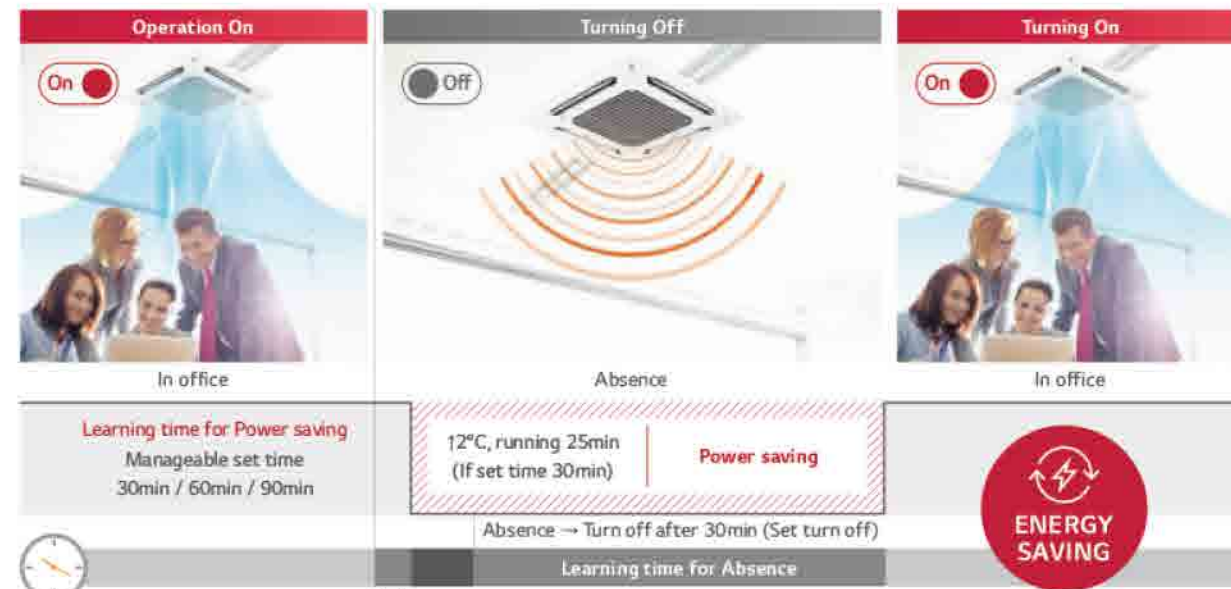
### Mobile

Whenever & Wherever Check and Control Air status



## Human Detecting On / Off Learning Operation System

Sensor detects people to switch On / Off for maximize energy saving.



※ Data Based on actual test of LG, single product 2 hours measurement result. (Cooling 26 °C, strong wind)

## Human Detection Sensor & Humidity Sensor



## Independent Control of Air Flow

The independent vane operation feature uses separate 4 motors, making it possible to control all four vanes independently. The independent control provides optimal comfort for each user. It is capable of handling inclination angles between 20° - 70°.



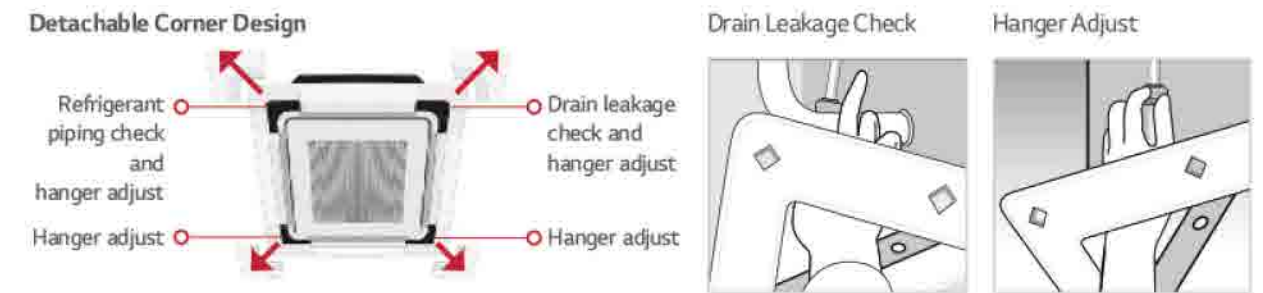
## High Ceiling Mode

Wind can reach up to 4.2m with plenty air volume. (@ 0.5ms)

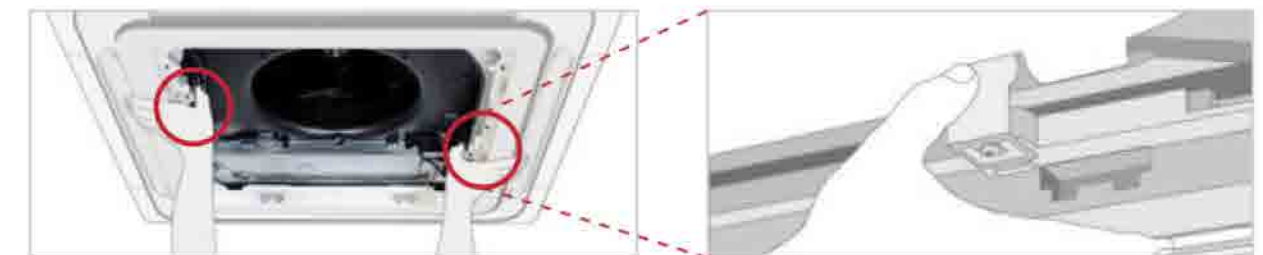


## Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe. And it is easy to install the panel to the body, using the button type panel design.



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



## Standard series



SET CONDITION			2HP	2.5HP	4HP	5HP
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	20,500 / 18,000 / 5,400	26,200 / 24,000 / 7,200	40,000 / 36,000 / 10,800	48,950 / 46,500 / 13,800
	kW	Max / Rated / Min	6.01 / 5.27 / 1.58	7.68 / 7.03 / 2.11	11.71 / 10.54 / 3.15	14.33 / 13.61 / 4.05
Power Input	Rated	kW	1.43	2.11	3.20	4.63
Running Current	Rated	A	6.5	9.6	14.6	21.1
EER		w/w	3.69	3.33	3.3	2.94
Star Rating			5 Star	5 Star	5 Star	5 Star

INDOOR UNIT				ZTNQ18GPLA0	ZTNQ24GPLA0	ZTNQ36GNLA0	ZTNQ48GMLA0
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840
	Shipping	W x H x D	mm	922 x 276 x 917	922 x 276 x 917	922 x 318 x 917	922 x 360 x 917
Weight	Body		kg	19.5	19.5	25	26
	Shipping		kg	23.5	23.5	27.2	31
Fan Type				Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Air Flow Rate	SH / H / M / L	m³/min		- / 17.0 / 15.0 / 13.0	- / 17.0 / 15.0 / 13.0	- / 25.0 / 22.0 / 19.0	- / 32.0 / 30.0 / 28.0
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC
	Output	W x No.		50.3 x 1	50.3 x 1	124 x 1	124 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 40 / 36 / 33	- / 40 / 36 / 33	- / 45 / 41 / 37	- / 44 / 42 / 40
	Liquid Side		mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas Side		mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe	(O.D. / I.D.)	mm	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)
Decoration Panel*	Model Name			PT-MCGW0	PT-MCGW0	PT-MCGW0	PT-MCGW0
	Casing Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog
Dimensions	W x H x D	mm		950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg (lbs)		6.3	6.3	6.3	6.3

\* To use Air Purification function, Need Air Purification panel (PT-MPGW0) & Air Purification kit (PTAHMP0) & Wired remote (PREMTB100) / All optional

OUTDOOR UNIT				ZUAB1	ZUAC1	ZUAD1	ZUAE1
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D	mm		770 x 545 x 288	870 x 650 x 330	950 x 834 x 330	950 x 834 x 330
Net Weight		kg		30.9	41.5	59.5	59.5
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Motor Type			BLDC	BLDC	BLDC	BLDC
Refrigerant	Motor Output	W x No.		1,500 x 1	1,500 x 1	4,000 x 1	4,000 x 1
	Type			R32	R32	R32	R32
Fan	Chargeless-Pipe Length	m		15	15	15	15
	Additional Charging Volume	g/m		15	30	40	40
Fan Motor	Type			Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate	m³/min x No.		50 x 1	50 x 1	60 x 1	60 x 1
Sound Pressure Level	Type			BLDC	BLDC	BLDC	BLDC
	Output	W x No.		43 x 1	85 x 1	124 x 1	124 x 1
Piping Connections	Cooling	Rated	dB(A)	47	53	55	55
	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Length	Gas	Outer Dia.	mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Min. / Max.	m		5 / 30	5 / 50	5 / 50	5 / 50
Max Height Difference	Outdoor - Indoor	Max.	m	20	30	30	30

## Entry series



SET CONDITION			2HP	2.5HP	3HP	4HP	6HP
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	18,500 / 17,500 / 5,400	24,200 / 23,000 / 7,200	33,700 / 32,000 / 15,000	37,900 / 36,000 / 10,800	57,000 / 54,000 / 13,800
	kW	Max / Rated / Min	5.42 / 5.13 / 1.58	7.09 / 6.74 / 2.11	9.87 / 9.37 / 4.4	11.1 / 10.54 / 3.15	16.7 / 15.81 / 4.05
Power Input	Rated	kW	1.75	2.24	3.05	3.72	5.42
Running Current	Rated	A	8	10.2	13.9	16.9	24.6
EER		w/w	2.93	3.01	3.07	2.84	2.92
Star Rating			5 Star	5 Star	5 Star	5 Star	5 Star

INDOOR UNIT				ZTNQ18GPLE0	ZTNQ24GNLE0	ZTNQ30GNLE0	ZTNQ36GNLE0	ZTNQ60GMLA0
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	840 x 204 x 840	840 x 246 x 840	840 x 246 x 840	840 x 246 x 840	840 x 288 x 840
	Shipping	W x H x D	mm	922 x 276 x 917	922 x 318 x 917	922 x 318 x 917	922 x 318 x 917	922 x 360 x 917
Weight	Body		kg	19.5	25	25	25	26
	Shipping		kg	23.5	27.2	27.2	27.2	31
Fan Type				Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Air Flow Rate	SH / H / M / L	m³/min		- / 17.0 / 15.0 / 13.0	- / 21.0 / 18.5 / 15.0	- / 25.0 / 22.0 / 19.0	- / 25.0 / 22.0 / 19.0	- / 32.0 / 30.0 / 28.0
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC	BLDC
	Output	W x No.		50.3 x 1	124 x 1	124 x 1	124 x 1	124 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 40 / 36 / 33	- / 40 / 35 / 29	- / 45 / 41 / 37	- / 45 / 41 / 37	- / 44 / 42 / 40
	Liquid Side		mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas Side		mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe	(O.D. / I.D.)	mm	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)
Decoration Panel*	Model Name			PT-MCGW0	PT-MCGW0	PT-MCGW0	PT-MCGW0	PT-MCGW0
	Casing Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog	Morning Fog
Dimensions	W x H x D	mm		950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg (lbs)		6.3	6.3	6.3	6.3	6.3

\* To use Air Purification function, Need Air Purification panel (PT-MPGW0) & Air Purification kit (PTAHMP0) & Wired remote (PREMTB100) / All optional

OUTDOOR UNIT				ZUAA1	ZUAB1	ZUAC1	ZUAC1	ZUAE1
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D	mm		717 x 483 x 230	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330	950 x 834 x 330
Net Weight		kg		24.2	30.9	41.5	41.5	66.9
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Motor Type			BLDC	BLDC	BLDC	BLDC	BLDC
Refrigerant	Motor Output	W x No.		900 x 1	1,500 x 1	1,500 x 1	1,500 x 1	4,000 x 1
	Type			R32	R32	R32	R32	R32
Fan	Chargeless-Pipe Length	m		15	15	15	15	15
	Additional Charging Volume	g/m		15	30	30	30	40
Fan Motor	Type			Axial Fan	Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate	m³/min x No.		28 x 1	50 x 1	50 x 1	50 x 1	60 x 1
Sound Pressure Level	Type			BLDC	BLDC	BLDC	BLDC	BLDC
	Output	W x No.		43 x 1	43 x 1	85 x 1	85 x 1	124 x 1
Piping Connections	Cooling	Rated	dB(A)	47	47	53	53	61
	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Length	Gas	Outer Dia.	mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Min. / Max.	m		5 / 30	5 / 30	5 / 50	5 / 50	5 / 50
Max Height Difference	Outdoor - Indoor	Max.	m	15	20	30	30	30

# CEILING MOUNTED CASSETTE 1 WAY

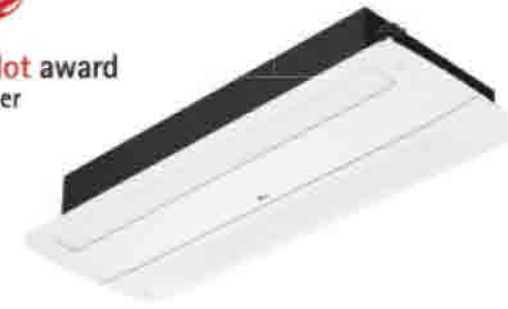


## Reddot Award Winning Design

Compact and Round shaped Panel brings excellent fit to ceiling.

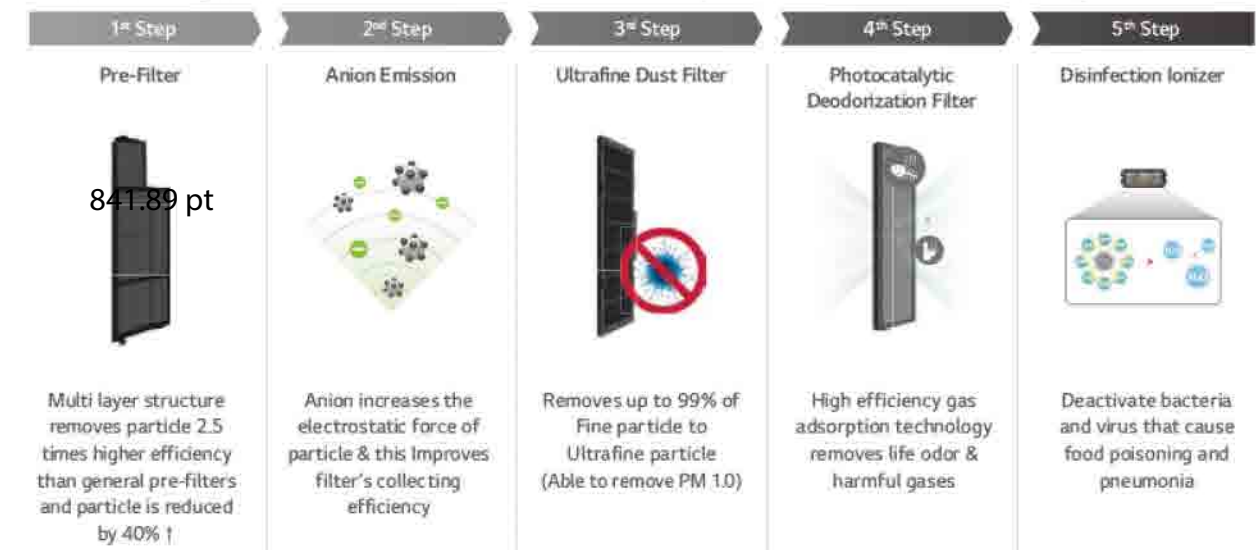


reddot award winner



## Air Conditioner and Air Purifier in One

5-Steps air cleaning process removes invisible, Ultrafine dust, odor and germs to ensure a clean and healthy living environment.



\* To use Air purification function, must use applicable Panel (PT-LPHGO or PT-TPHGO) with Air purification kit (PTAHTPO)

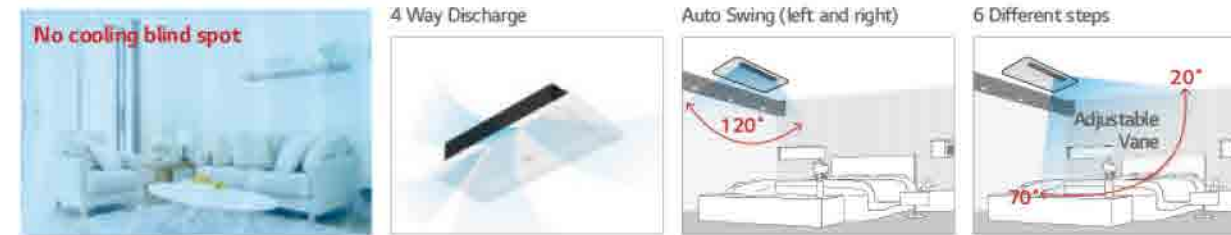
CEILING MOUNTED CASSETTE 1 WAY

## Comfort Air

Two vane angles can be controlled in 6 steps from 20° to 70°, depending on the indoor environment and personal preference.

### Automatic 4 Way Wind Direction

The wind is discharged evenly up, down, left, and right automatically, so there is no cooling blind spot.



### Direct & Indirect Wind

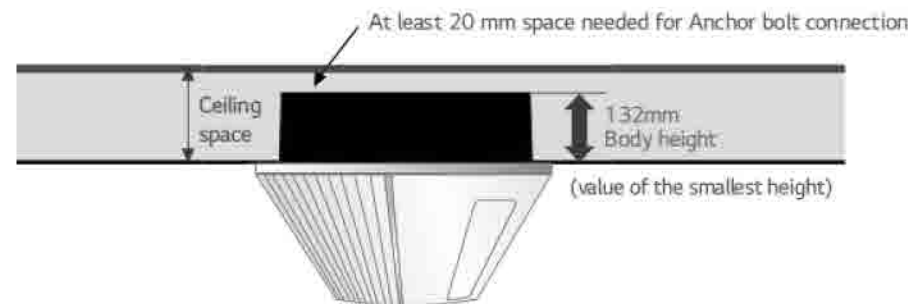


Comfort indirect wind  
Without blowing directly at people in the room, the space is comfortable!

Cool direct wind  
Cooler on a hot day.

## Slim & Compact Indoor Unit

Slim indoor provides flexibility of installation in the narrow ceiling space.



## Standard series



SET CONDITION		1.5HP	2HP	2.5HP
Power Supply	V, Ø, Hz	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	12,290 / 10,500 / 4,680	19,460 / 18,000 / 7,000	25,940 / 22,000 / 6,760
	kW	3.60 / 3.08 / 1.37	5.70 / 5.27 / 2.05	7.6 / 6.45 / 1.98
Power Input	Rated	kW	0.87	1.64
Running Current	Rated	A	3.95	7.5
EER	w/w	3.54	3.22	2.94
Star Rating		5 Star	5 Star	5 Star

INDOOR UNIT		ZTNQ12GTLA0	ZTNQ18GTLA0	ZTNQ24GTLA0
Power Supply	V, Ø, Hz	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body W x H x D	mm	860 x 132 x 450	1,180 x 132 x 450
	Shipping W x H x D	mm	1,125 x 252 x 538	1,445 x 252 x 538
Weight	Body	kg	11.7	14.5
	Shipping	kg	14.4	17.9
Fan Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Air Flow Rate	SH / H / M / L	m <sup>3</sup> /min	- / 9.0 / 8.0 / 7.0	- / 16.0 / 14.0 / 12.0
Fan Motor	Type		BLDC	BLDC
	Output	W x No.	30 x 1	30 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 37 / 36 / 33
	Liquid Side		mm(inch)	Ø6.35 (1/4)
	Gas Side		mm(inch)	Ø9.52 (3/8)
Piping Connections	Drain Pipe (O.D. / I.D.)	mm	Ø32 / Ø25	Ø32 / Ø25
	Model Name		PT-UAHG0	PT-TAHG0
Decoration Panel*	Casing Color		Noble White	Noble White
	Dimensions W x H x D	mm	1,160 x 34 x 500	1,480 x 34 x 500
Net Weight	kg (lbs)	3.9	4.8	4.8

\* To use Air Purification function, Need Air Purification panel (PT-UPHG0, PT-TPHG0) & Air Purification kit (PTAHTP0) & Wired remote (PREMTB100) / All optional

OUTDOOR UNIT		ZUAA1	ZUAB1	ZUAC1
Power Supply	V, Ø, Hz	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D	mm	717 x 483 x 230	770 x 545 x 288
Net Weight		kg	24.2	30.9
	Type		Twin Rotary	Twin Rotary
Compressor	Motor Type		BLDC	BLDC
	Motor Output	W x No.	900 x 1	1,500 x 1
Refrigerant	Type		R32	R32
	Chargeless-Pipe Length	m	15	15
	Additional Charging Volume	g/m	15	30
Fan	Type		Axial Fan	Axial Fan
	Air Flow Rate	m <sup>3</sup> /min x No.	28 x 1	50 x 1
Fan Motor	Type		BLDC	BLDC
	Output	W x No.	43.0 x 1	85.0 x 1
Sound Pressure Level	Cooling	Rated	dB(A)	47
				53
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)
	Gas	Outer Dia.	mm(inch)	Ø9.52 (3/8)
Piping Length	Min. / Max.	m	5 / 30	5 / 30
Max Height Difference	Outdoor - Indoor	Max	m	15

# ROUND CASSETTE



ROUND CASSETTE

## Slim and Compact Design

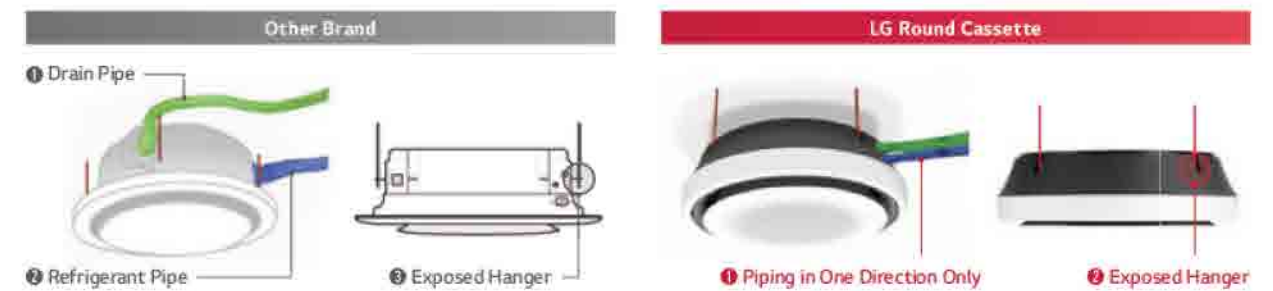
The LG Round Cassette's compact design makes the space look more spacious and secure.



※ Product : 36kBtu / 48kBtu

## Minimal Exposure Design

LG Round Cassette hides clunky parts into a smooth surface to provide harmony and aesthetic.



**PINUP**  
DESIGN AWARDS

This air conditioning impresses with a sophisticated design and application concept that combines modern technology with a user-friendly operating comfort.

※ Red Dot Design Award : World's three major international design competitions; German Design Association (2019)  
PIN UP Design Award : Korea Industrial Designers Association (Ministry of Trade, Industry and Energy) (2018)

## 6-Step Vane Control

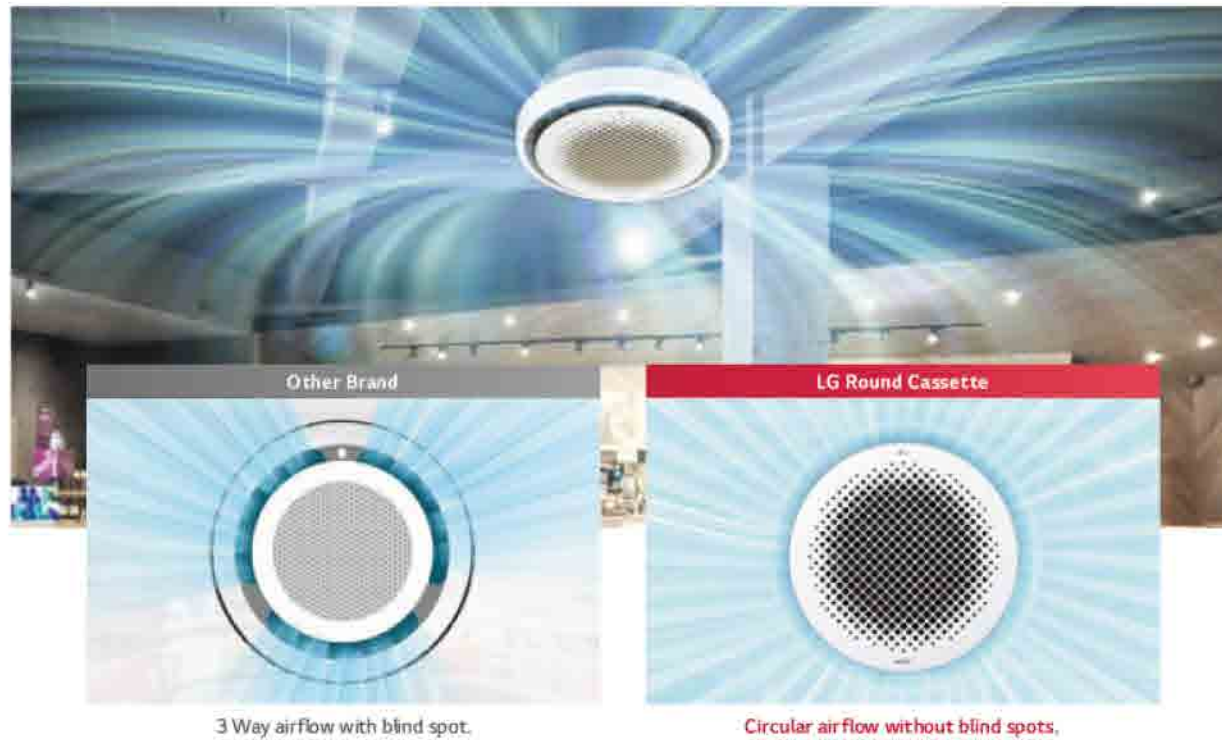
Crystal vane allows for 6-step precision control for cool and warm airflow in every direction.





## Round Airflow

Round airflow without blind spots and 4 vanes can be controlled individually.



## Quiet Operation

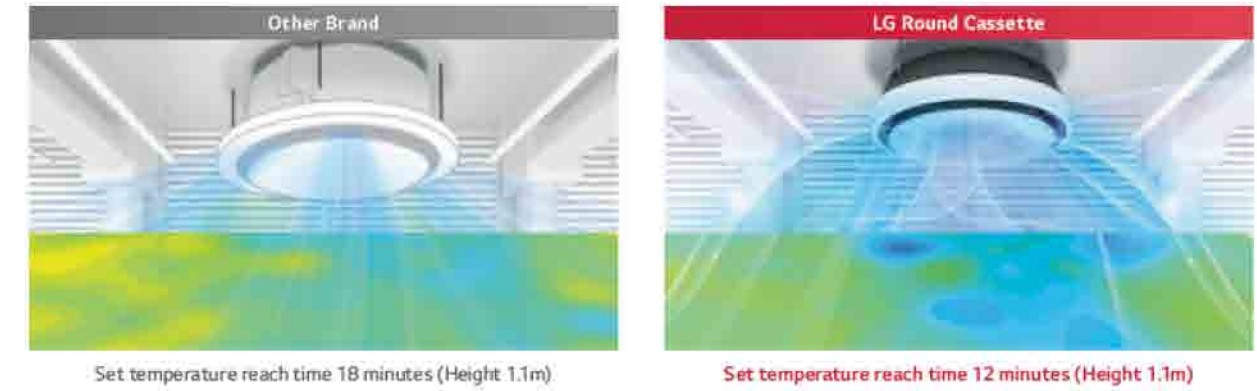
LG Round cassette makes the space quieter.

### Sound Pressure



## Faster in Cooling

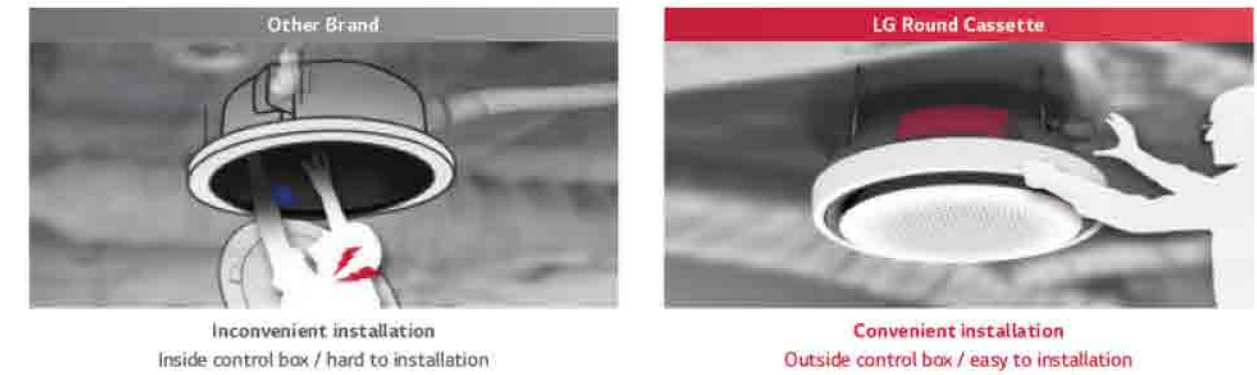
Larger airflow rate, cooling rate is 30% faster the competition.



※ Based on test results from LG chamber; this image is designed to help customers understand.  
Experimental environment: height 3.2m, cooling mode, high flow rate, horizontal air flow direction, initial temperature 33°C, setting temperature 26°C

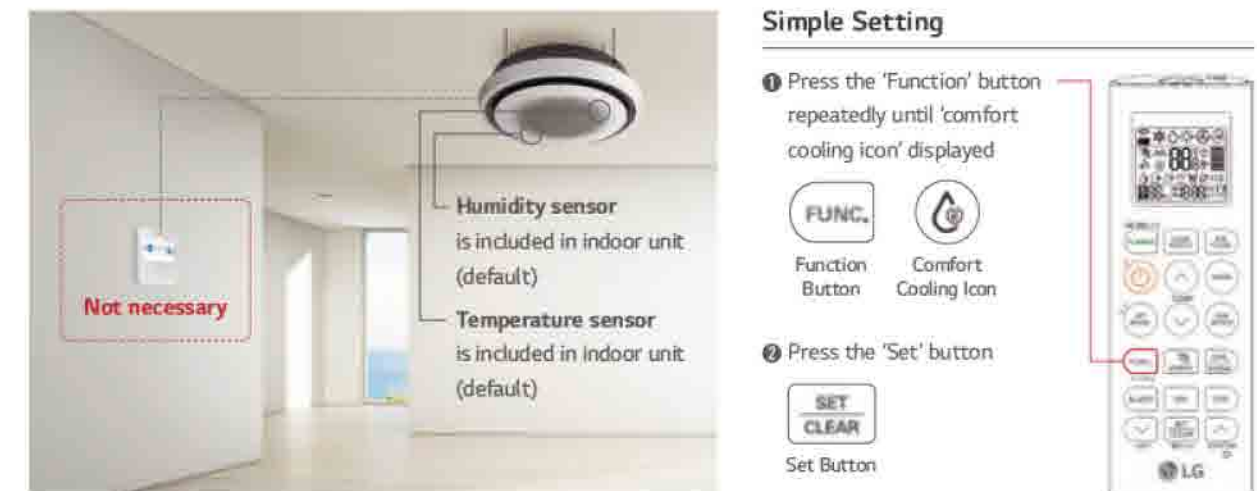
## Outside Control Box

The control box is located on the side for comfortable wiring and installation.



## Embedded Humidity Sensor

Humidity sensor is included as standard, so comfort cooling function is possible without separate wired remote controller.



## Air Purification Kit & Panel

Air purification function purify indoor air by 3 phase filter. And each filter can be reused just by washing without replacement. Also, it is easy to check air quality status with several devices.

### How It Works



※ Air purification kit is optional. Electrical diffusion makes dust electrification.

※ Normally HEPA filter type must be replaced regularly. It means that it costs expensive for maintenance.

Air purifying kit does not need replacement and can be used semi-permanently.

### Certified Air Purifying Performance



#### Indoor Air Cleaning

Removed 99.9% of ultra-fine dusts (size 50nm, 100nm)

### Smart Indicator

It is possible to monitor the indoor air quality via remote controller, IDU's LED or remotely using a Wi-Fi module through Smart phone.



※ Air Quality Index Table (LG Standard)

Classification	Good	Moderate	Unhealthy	Poor
PM10 (µg/m <sup>3</sup> )	0 ~ 54	55 ~ 154	155 ~ 254	255 ~
PM2.5 (µg/m <sup>3</sup> )	0 ~ 12	13 ~ 35	36 ~ 55	56 ~
PM1.0 (µg/m <sup>3</sup> )	0 ~ 12	13 ~ 35	36 ~ 55	56 ~

## Standard series



SET CONDITION			4HP	5HP
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	40,000 / 36,000 / 12,980	48,950 / 46,500 / 13,800
	kW	Max / Rated / Min	11.71 / 10.54 / 3.8	14.33 / 13.61 / 4.05
Power Input	Rated	kW	3.09	4.75
Running Current	Rated	A	14.1	21.6
EER		w/w	3.41	2.87
Star Rating			5 Star	5 Star

INDOOR UNIT				ZTNQ36GYLA0	ZTNQ48GYLA0
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050
	Shipping	W x H x D	mm	1,137 x 395 x 1,132	1,137 x 395 x 1,132
Weight	Body		kg	30	30
	Shipping		kg	38.6	38.6
Fan Type				3D Turbo Fan	3D Turbo Fan
Air Flow Rate		SH / H / M / L	m <sup>3</sup> /min	- / 25.0 / 21.0 / 19.0	- / 29.0 / 25.0 / 21.0
Fan Motor	Type			BLDC	BLDC
	Output	W x No.		136 x 1	136 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 44 / 40 / 38	- / 47 / 44 / 40
Piping Connections	Liquid Side		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side		mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
Drain Pipe	(O.D. / I.D.)		mm	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)

\* To use Air Purification function, Need Air Purification kit (PTAHYPO) & Wired remote (PREMTB100) / All optional

OUTDOOR UNIT				ZUAD1	ZUAD1
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D		mm	950 x 834 x 330	950 x 834 x 330
Net Weight			kg	59.5	59.5
	Type			Twin Rotary	Twin Rotary
Compressor	Motor Type			BLDC	BLDC
	Motor Output	W x No.		4,000 x 1	4,000 x 1
Refrigerant	Type			R32	R32
	Chargeless-Pipe Length	m		15	15
	Additional Charging Volume	g/m		30	30
Fan	Type			Axial Fan	Axial Fan
	Air Flow Rate	m <sup>3</sup> /min x No.		60 X 1	60 X 1
Fan Motor	Type			BLDC	BLDC
	Output	W x No.		124 X 1	124 X 1
Sound Pressure Level	Cooling	Rated	dB(A)	55	55
Piping	Liquid	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
Connections	Gas	Outer Dia.	mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
Piping Length	Min. / Max.	m		5 / 50	5 / 50
Max Height Difference	Outdoor - Indoor	Max.	m	30	30

# FLOOR STANDING



FLOOR-STANDING FEATURES

## Stylish Design

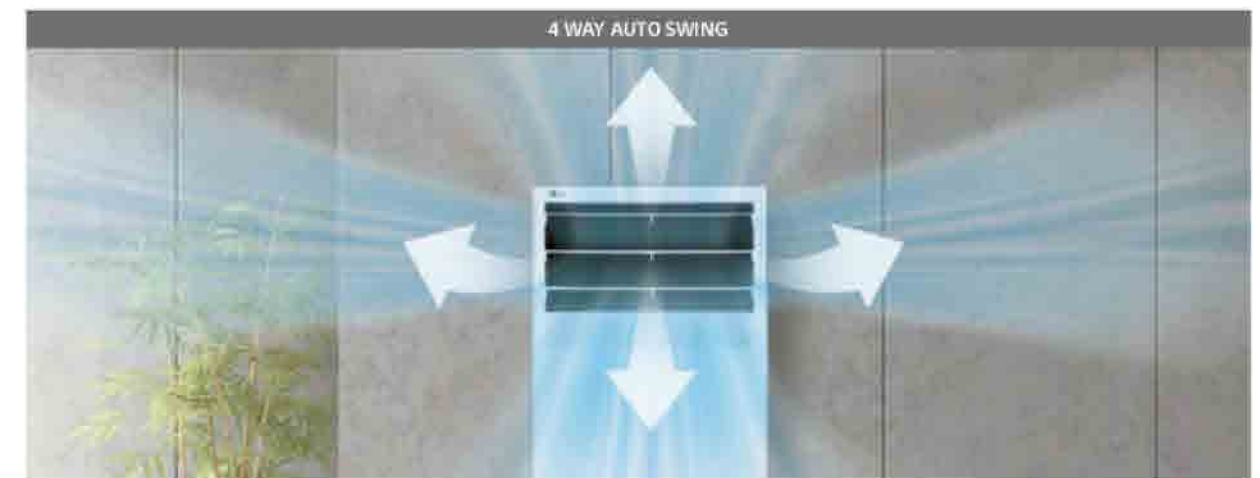
The new LG floor standing air conditioner is ideal for modern interiors in your office or restaurant.



FLOOR STANDING

## Powerful Air flow

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



## Excellent Cooling Performance

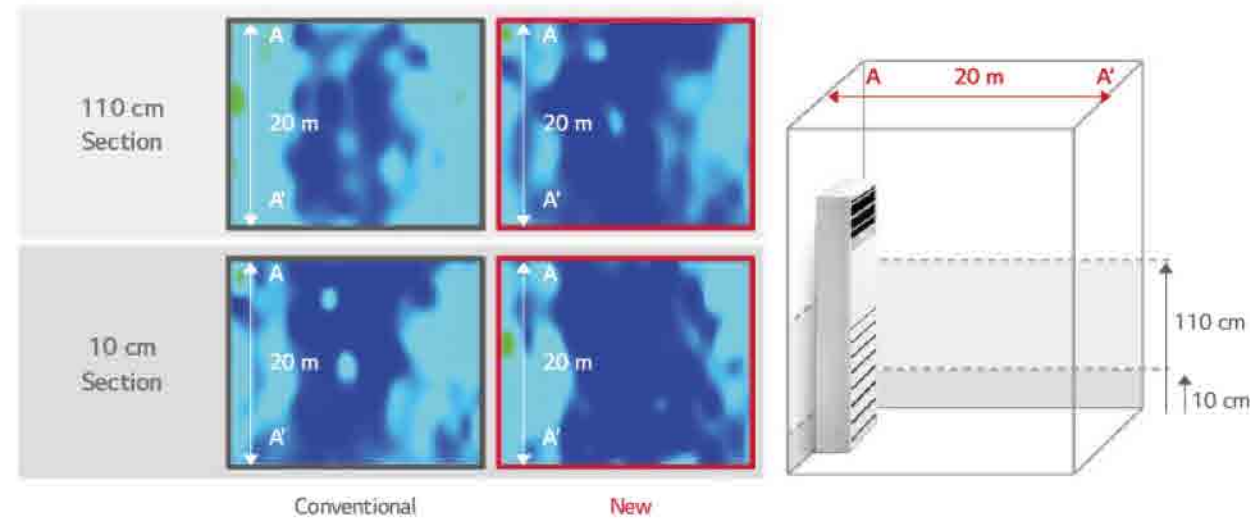
Power cooling function provides the optimal air flow angle, guaranteeing a faster and higher cooling performance.

### Easy Power Cooling Mode



※ Actual product appearance may differ from the above simulated scene.

### Powerful & Even Air Distribution



※ Indoor: 33°C → 24°C / Outdoor: 46°C

## Standard series



SET CONDITION			4HP	5HP	6HP
Power Supply	V, $\phi$ , Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50
Cooling Capacity	Btu/h	Max / Rated / Min	40,000 / 36,000 / 10,800	48,950 / 46,500 / 13,800	57,000 / 48,000 / 15,356
	kW	Max / Rated / Min	11.71 / 10.54 / 3.15	14.33 / 13.61 / 4.05	16.69 / 14.1 / 4.50
Power Input	Rated	kW	3.51	4.81	4
Running Current	Rated	A	16	21.9	18.2
EER		w/w	3.01	2.83	3.3
Star Rating			5 Star	5 Star	5 Star

INDOOR UNIT			ZPNQ36GR5A0	ZPNQ48GT3A0	APNQ60GT3E4	
Power Supply	V, $\phi$ , Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	
Dimensions	Body	W x H x D	mm	590 x 1,840 x 300	590 x 1,840 x 440	590 x 1,840 x 440
	Shipping	W x H x D	mm	680 x 1,925 x 395	681 x 1,927 x 521	681 x 1,927 x 521
Weight	Body	kg	36	49	49	
	Shipping	kg	43	57	57	
Fan Type			Turbo Fan	Turbo Fan	Sirocco Fan	
Air Flow Rate	SH / H / M / L	m <sup>3</sup> /min	23.5 / 19.0 / 17.0 / 14.0	37.0 / 33.0 / 28.0 / 24.0	37.0 / 33.0 / 28.0 / 24.0	
Fan Motor	Type		BLDC	BLDC	BLDC	
	Output	W x No.	104 x 1	224 x 1	224 x 1	
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 51 / 49 / 47	53 / 50 / 47 / 45	
	Liquid Side		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas Side		mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
	Drain Pipe	(O.D. / I.D.)	mm	Ø20, Ø17 / Ø12.2	Ø20, Ø17 / Ø12.2	Ø21 / Ø17

OUTDOOR UNIT			ZUAD1	ZUAD1	APUQ60GT3E4	
Power Supply	V, $\phi$ , Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	
Dimensions	W x H x D	mm	950 x 834 x 330	950 x 834 x 330	950 x 1,380 x 330	
Net Weight		kg	59.5	59.5	83	
	Type		Twin Rotary	Twin Rotary	BLDC INV Scroll	
Compressor	Motor Type		BLDC	BLDC	BLDC	
	Motor Output	W x No.	4,000 x 1	4,000 x 1	1,100 x 1	
Refrigerant	Type		R32	R32	R410A	
	Chargeless-Pipe Length	m	15	15	5	
	Additional Charging Volume	g/m	40	40	40	
Fan	Type		Axial Fan	Axial Fan	Propeller	
	Air Flow Rate	m <sup>3</sup> /min x No.	60 x 1	60 x 1	120 x 2	
Fan Motor	Type		BLDC	BLDC	BLDC	
	Output	W x No.	124 X 1	124 X 1	124 X 2	
Sound Pressure Level	Cooling	Rated	dB(A)	55	55	59
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
Piping Length	Min. / Max.	m	5 / 50	5 / 50	5 / 50	
Max Height Difference	Outdoor - Indoor	Max.	m	30	30	30

## Standard series



10HP R410A 15HP, 20HP R410A

SET CONDITION			10HP	15HP	20HP
Power Supply	V, Ø, Hz		380-415, 3, 50/60	380-415, 3, 50/60	380-415, 3, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	- / 98,000 / 49,000	- / 160,000 / 64,200	- / 200,000 / 79,900
	kW		- / 28.7 / 14.3	- / 46.9 / 18.8	- / 58.6 / 23.4
Power Input	Rated	kW	11.5	16.1	21
Running Current	Rated	A	19.5	22	28.2
EER	w/w		2.5	2.91	2.79
Star Rating			-	-	-

INDOOR UNIT				APNQ100LFA0	APNQ150LNA0	APNQ200LNA0
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	1,050 x 1,880 x 495	1,558 x 1,920 x 700	1,558 x 1,920 x 700
	Shipping	W x H x D	mm	-	-	-
	Body	kg		113	237	237
Weight	Shipping	kg		-	-	
	Fan Type			Sirocco Fan	Sirocco Fan	Sirocco Fan
Air Flow Rate	SH / H / M / L m³/min			68 / 61 / - / 50	- / 120 / - / 95	- / 130 / - / 95
Fan Motor	Type			BLDC	BLDC	BLDC
	Output	W x No.		900 x 1	750 x 2	750 x 2
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	58 / 55 / - / 51	- / 64 / - / 57	- / 65 / - / 57
	Liquid Side	mm(inch)		Ø9.52 (3/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
Piping Connections	Gas Side	mm(inch)		Ø22.2 (7/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
	Drain Pipe	(O.D. / I.D.) mm		Ø32 / Ø25	Ø21 / Ø17	Ø21 / Ø17

OUTDOOR UNIT				APUQ100LFA0	APUQ150LNA0	APUQ200LNA0
Power Supply	V, Ø, Hz			380-415, 3, 50/60	380-415, 3, 50/60	380-415, 3, 50/60
Dimensions	W x H x D mm			1,090 x 1,625 x 380	1,240 x 1,680 x 760	1,240 x 1,680 x 760
Net Weight	kg			143	270	270
Compressor	Type			BLDC INV Scroll	Hermetic Motor	Hermetic Motor
	Motor Type			BLDC	BLDC	BLDC
	Motor Output	W x No.		4,241 x 1	4,200 x 2	4,200 x 2
Refrigerant	Type			R410A	R410A	R410A
	Chargeless-Pipe Length	m		5	5	5
	Additional Charging Volume	g/m		61	150	150
Fan	Type			Propeller	Propeller	Propeller
	Air Flow Rate	m³/min x No.		190 x 2	290	290
Fan Motor	Type			BLDC	BLDC	BLDC
	Output	W x No.		250 x 2	900 x 2	900 x 2
Sound Pressure Level	Cooling	Rated	dB(A)	60	64	65
	Liquid	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
Piping Connections	Gas	Outer Dia.	mm(inch)	Ø22.2 (7/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
	Piping Length	Min. / Max. m		5 / 50	- / 50	- / 50
Max Height Difference	Outdoor - Indoor	Max.	m	30	30	30

## Entry series



3HP, 4HP, 6HP R32

SET CONDITION			3HP	4HP	6HP
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	31,600 / 30,000 / 8,400	37,900 / 36,000 / 10,800	56,500 / 53,000 / 13,800
	kW		9.26 / 8.79 / 2.46	11.1 / 10.54 / 3.15	16.54 / 15.52 / 4.05
Power Input	Rated	kW	2.95	3.7	5.61
Running Current	Rated	A	13.4	16.8	25.5
EER	w/w		2.98	2.85	2.77
Star Rating			5 Star	5 Star	5 Star

INDOOR UNIT				ZPNQ30GR5E0	ZPNQ36GT3E0	ZPNQ60GT3A0
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	590 x 1,840 x 300	590 x 1,840 x 440	590 x 1,840 x 440
	Shipping	W x H x D	mm	680 x 1,925 x 395	681 x 1,927 x 521	681 x 1,927 x 521
	Body	kg		36	49	49
Weight	Shipping	kg		43	57	
	Fan Type			Turbo Fan	Sirocco Fan	Sirocco Fan
Air Flow Rate	SH / H / M / L m³/min			23.5 / 19.0 / 17.0 / 14.0	33.0 / 30.0 / 26.0 / 22.0	37.0 / 33.0 / 28.0 / 24.0
Fan Motor	Type			BLDC	BLDC	BLDC
	Output	W x No.		104 x 1	224 x 1	224 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	52 / 47 / 44 / 41	- / 49 / 45 / 41	- / 51 / 49 / 47
	Liquid Side	mm(inch)		Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas Side	mm(inch)		Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe	(O.D. / I.D.) mm		Ø20, Ø17 / Ø12.2	Ø20, Ø17 / Ø12.2	Ø20, Ø17 / Ø12.2

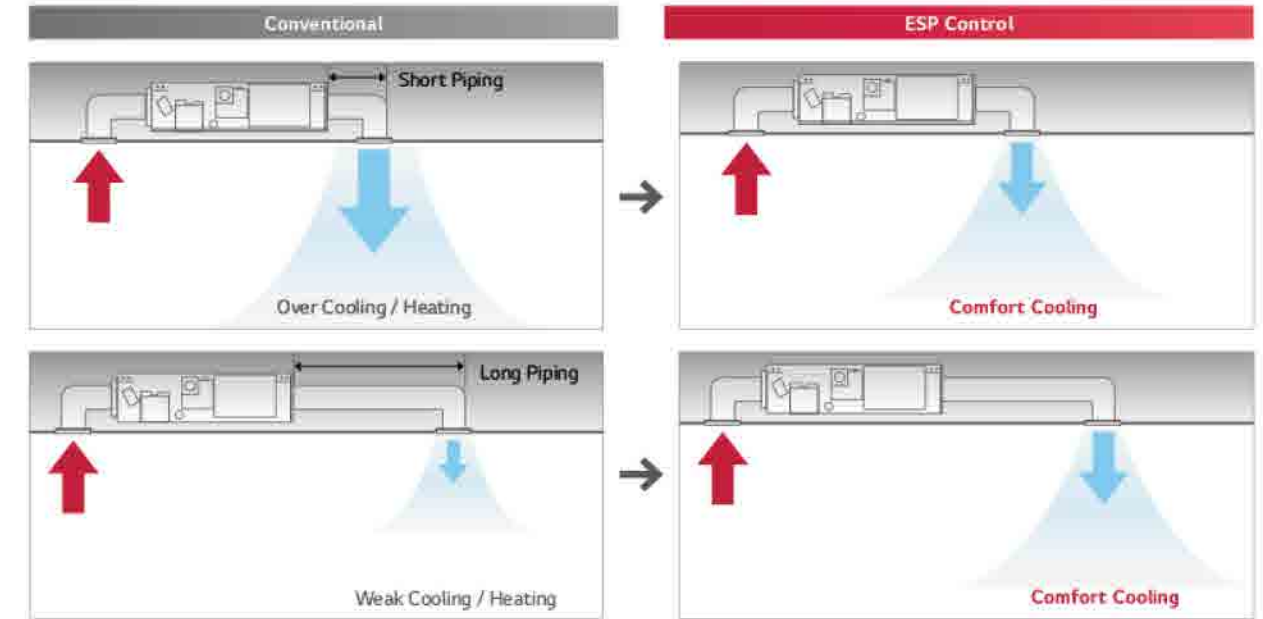
OUTDOOR UNIT				ZUAC1	ZUAC1	ZUAE1
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D mm			870 x 650 x 330	870 x 650 x 330	950 x 834 x 330
Net Weight	kg			41.5	41.5	66.9
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
	Motor Type			BLDC	BLDC	BLDC
	Motor Output	W x No.		1,500 x 1	1,500 x 1	4,000 x 1
Refrigerant	Type			R32	R32	R32
	Chargeless-Pipe Length	m		15	15	15
	Additional Charging Volume	g/m		30	30	40
Fan	Type			Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate	m³/min x No.		50 x 1	50 x 1	60 x 1
Fan Motor	Type			BLDC	BLDC	BLDC
	Output	W x No.		85 x 1	85 x 1	124 x 1
Sound Pressure Level	Cooling	Rated	dB(A)	53	53	61
	Liquid	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas	Outer Dia.	mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Piping Length	Min. / Max. m		5 / 50	5 / 50	5 / 50
Max Height Difference	Outdoor - Indoor	Max.	m	30	30	30

# CEILING CONCEALED DUCT



## External Static Pressure (ESP) Control

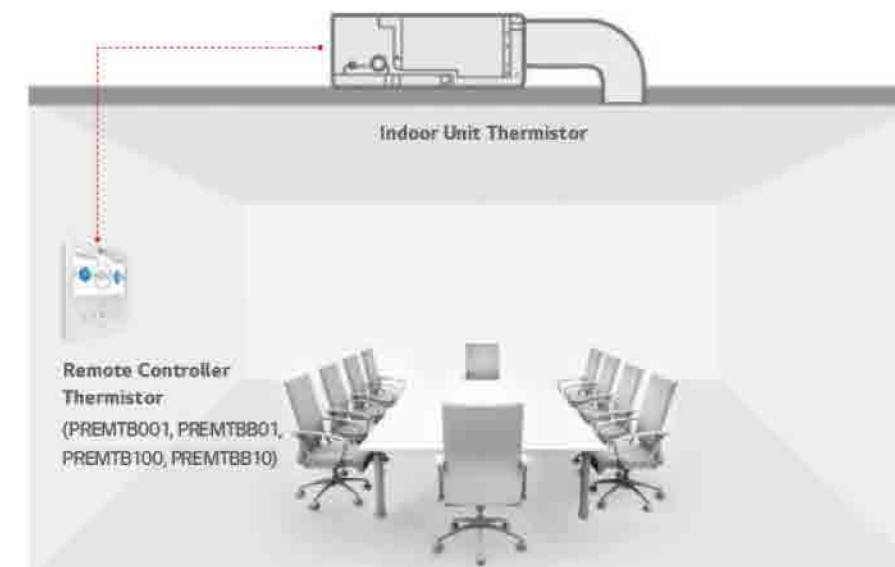
User has easy access to air volume selection via remote controller using the ESP control function. The BLDC motor can control fan speed and air flow. No additional accessories are necessary to control air flow.



CEILING CONCEALED DUCT

## Two Thermistors Control

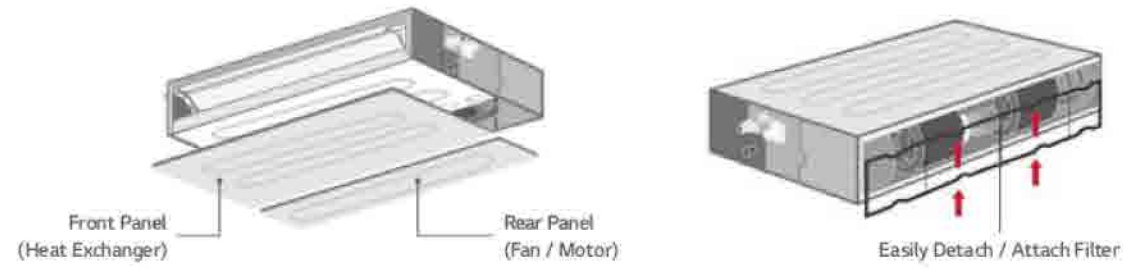
The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.



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

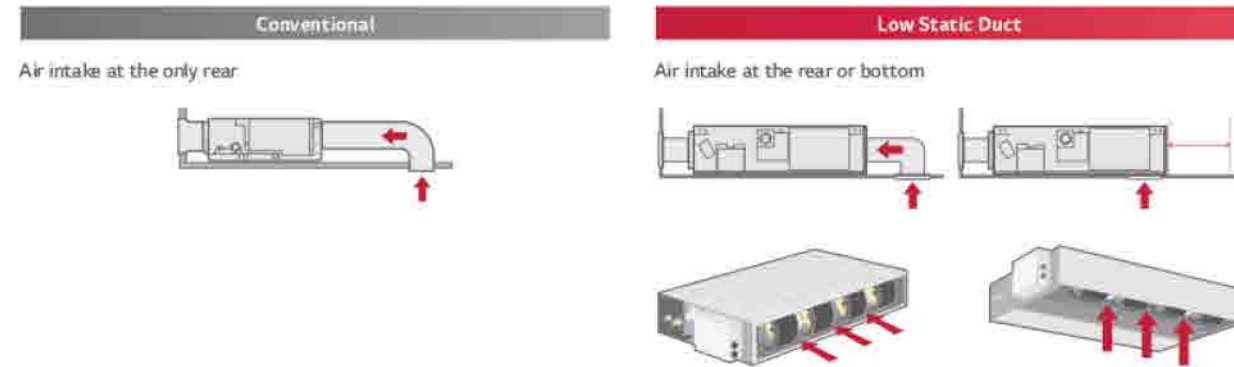
## Easy Service & Maintenance

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



## Flexible Installation (Low Static Pressure Model)

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



## [Low Static] Standard series



SET CONDITION			2HP	2.5HP
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	20,500 / 18,000 / 4,800	27,000 / 24,000 / 6,480
	kW	Max / Rated / Min	6.01 / 5.27 / 1.4	7.91 / 7.03 / 1.9
Power Input	Rated	kW	1.64	2.07
Running Current	Rated	A	7.5	9.4
EER		w/w	3.22	3.4

INDOOR UNIT				ZBNQ18GL2A0	ZBNQ24GL3A0
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	900 x 190 x 700	1,100 x 190 x 700
	Shipping	W x H x D	mm	1,062 x 255 x 781	1,262 x 255 x 781
Weight	Body		kg	23	27
	Shipping		kg	28	31
Fan Type				Sirocco Fan	Sirocco Fan
Air Flow Rate	SH / H / M / L	m <sup>3</sup> /min		- / 15.0 / 12.5 / 10.0	- / 20.0 / 16.0 / 12.0
External Static Pressure		Pa		40	40
Fan Motor	Type			BLDC	BLDC
	Output	W x No.		19 x 5 x 1 + 1	19 x 2
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 36 / 34 / 31	- / 39 / 35 / 32
	Liquid Side		mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
Piping Connections	Gas Side		mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe	(O.D. / I.D.)	mm	Ø32 / Ø25	Ø32 / Ø25

OUTDOOR UNIT				ZUAB1	ZUAC1
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D		mm	770 x 545 x 288	Ø70 x 650 x 330
Net Weight			kg	30.9	41.5
	Type			Twin Rotary	Twin Rotary
Compressor	Motor Type			BLDC	BLDC
	Motor Output	W x No.		1,500 x 1	1,500 x 1
Refrigerant	Type			R32	R32
	Chargeless-Pipe Length	m		15	15
Fan	Additional Charging Volume	g/m		15	30
	Type			Axial Fan	Axial Fan
Fan Motor	Air Flow Rate	m <sup>3</sup> /min x No.		50 x 1	50 x 1
	Type			BLDC	BLDC
Sound Pressure Level	Output	W x No.		43 x 1	85 x 1
	Cooling	Rated	dB(A)	47	53
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
Piping Length	Min. / Max.	m		5 / 30	5 / 50
Max Height Difference	Outdoor - Indoor	Max	m	20	30





# CEILING SUSPENDED



CEILING SUSPENDED FEATURES

## Differentiated Design

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



CEILING SUSPENDED

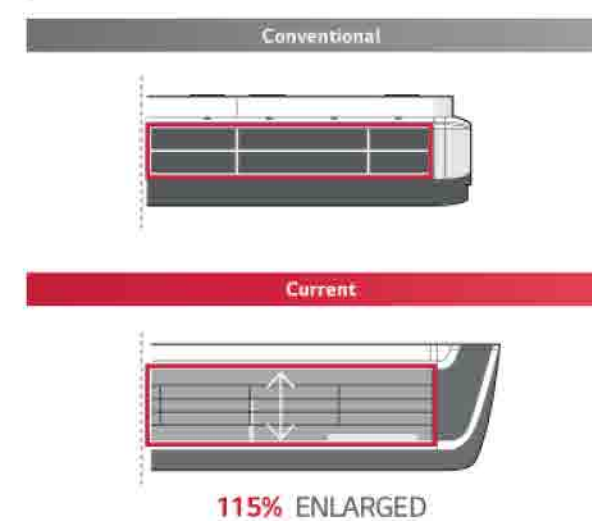
## Powerful Cooling & Heating

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

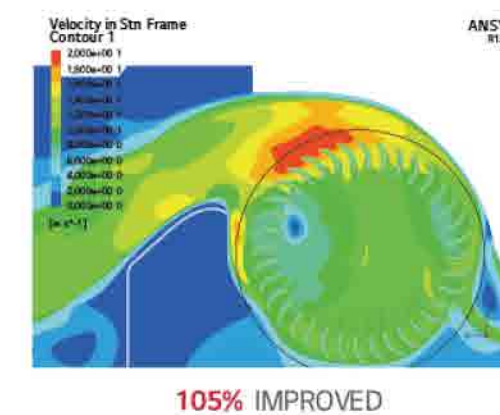


Airflow path and improved heat exchanger's performance.

### Outlet Space

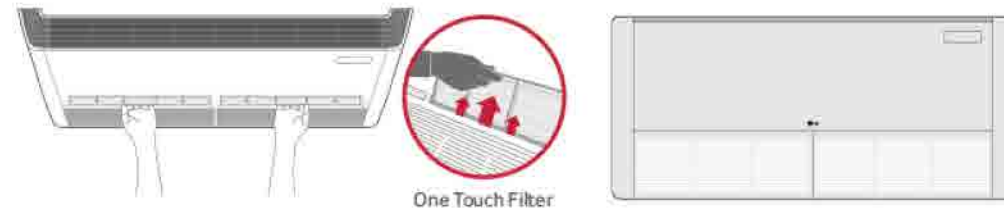


### Optimized the Airflow Path



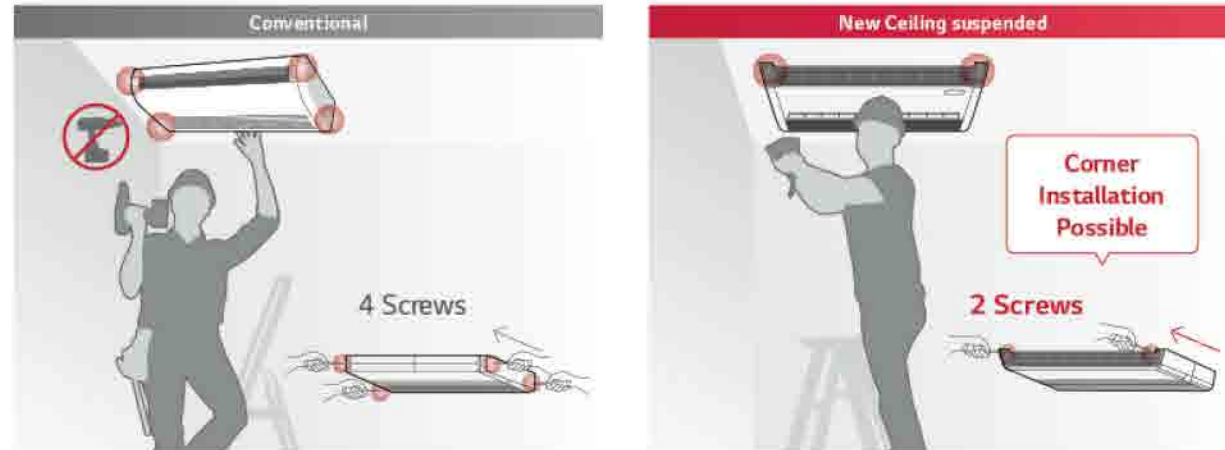
## One Touch & 2 Piece Filter

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.



## Standard series



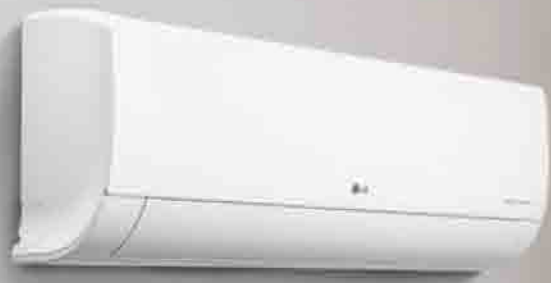
SET CONDITION			4HP	5HP	6HP
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	40,000 / 36,000 / 10,800	48,950 / 46,500 / 13,800	61,000 / 58,000 / 13,800
	kW	Max / Rated / Min	11.71 / 10.54 / 3.15	14.33 / 13.61 / 4.05	17.88 / 17.00 / 4.05
Power Input	Rated	kW	2.91	4.59	5.85
Running Current	Rated	A	13.2	20.70	25.7
EER		w/w	3.63	2.97	2.91
Star Rating			5 Star	5 Star	5 Star

INDOOR UNIT			ZVNQ36GM2A0	ZVNQ48GM2A0	AVNQ60GM2A4	
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
	Shipping	W x H x D	mm	1,715 x 317 x 768	1,715 x 317 x 768	1,715 x 320 x 772
Weight	Body		kg	36.7	36.7	36.9
	Shipping		kg	42.8	42.8	43.2
Fan Type			Cross Flow Fan	Cross Flow Fan	Propeller	
Air Flow Rate	SH / H / M / L	m <sup>3</sup> /min	- / 27 / 24 / 20	- / 29 / 24 / 20	- / 30 / 25 / 20	
Fan Motor	Type		BLDC	BLDC	BLDC	
	Output	W x No.	125 x 1	125 x 1	125 x 1	
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 48 / 46 / 44	- / 50 / 47 / 44	- / 48 / 44 / 40
	Liquid Side		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas Side		mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
	Drain Pipe	(O.D. / I.D.)	mm	Ø32 (1-1/4) / Ø25 (31/32)	Ø32 (1-1/4) / Ø25 (31/32)	Ø21.5 / Ø16

OUTDOOR UNIT			ZUAD1	ZUAD1	AUUQ60GH4	
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	
Dimensions	W x H x D	mm	950 x 834 x 330	950 x 834 x 330	950 x 1,380 x 330	
Net Weight		kg	59.5	59.5	83.0	
Compressor	Type		Twin Rotary	Twin Rotary	LG Inverter Scroll	
	Motor Type		BLDC	BLDC	BLDC	
	Motor Output	W x No.	4,000 x 1	4,000 x 1	3,198 x 1	
Refrigerant	Type		R32	R32	R410A	
	Chargeless-Pipe Length	m	15	15	7.5	
	Additional Charging Volume	g/m	40	40	40	
Fan	Type		Axial Fan	Axial Fan	Propeller	
	Air Flow Rate	m <sup>3</sup> /min x No.	60 x 1	60 x 1	70 x 2	
Fan Motor	Type		BLDC	BLDC	BLDC	
	Output	W x No.	124 X 1	124 X 1	124 x 2	
Sound Pressure Level	Cooling	Rated	dB(A)	55	55	59
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
Piping Length	Min. / Max.	m	5 / 50	5 / 50	5 / 50	
Max Height Difference	Outdoor - Indoor	Max.	m	30	30	30



# WALL MOUNTED



WALL MOUNTED

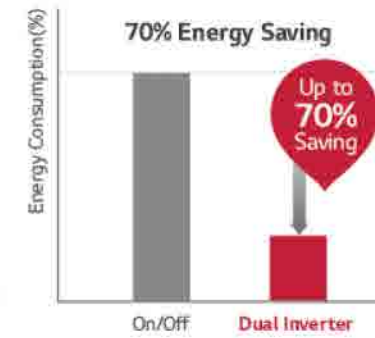
## Dual Inverter Compressor

LG Inverter technology precisely controls the energy used to reach the desired temperature. Dual Inverter compressor can run at low speed (up to 10hz), not possible with a single rotary compressor.



### Benefit

Test Result



## 10 Year Warranty

The compressor is to the Air conditioner the same as the engine is to the vehicle. With the 10-year warranty on the compressor, users can enjoy the benefits of LG air conditioner for a longer period of time.



## Test Verification Report



TUV Rheinland, Long Term Accelerated-reliability Test & High Marginal Test

- Long Term Accelerated-Reliability test  
LG's unique testing method with reinforced operating condition for a product life assurance to test and determine the product life cycle in a short period of time by accelerating the life cycles.
- High Marginal Test  
Test method to secure durability in various adverse conditions that may occur in the field by performing comp reliability test against higher pressure and temperature than the designed range of pressure and temperature which the comp operates in.
- Verification obtained from TUV Rheinland for 10-year product life cycle

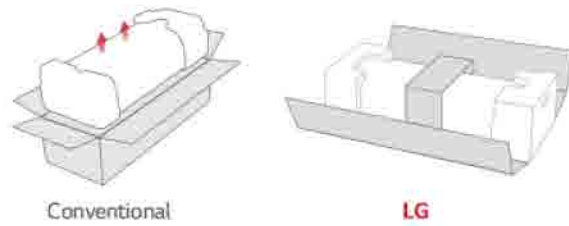
## Quick & Easy Installation

By reducing the manpower and time required for installation, it is now possible to install more air conditioners at more homes in a shorter period of time.



### Simple Packing

Open the packaging with just one touch.



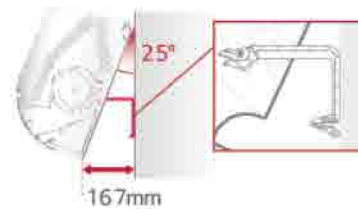
### Installation Plate Improvement

LG's large, customized installation plate reduces installation time.



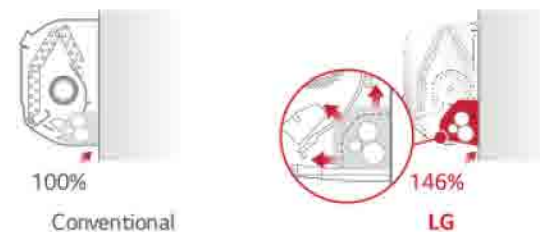
### Installation Support Clip

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



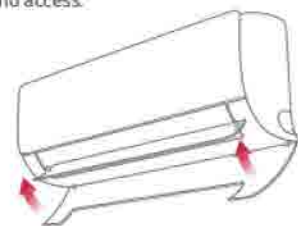
### Wider Tubing Space

The filter is designed for easy quick cleaning, which lengthens its lifespan.



### Detachable bottom Cover

The air conditioner's bottom cover is detachable for easier installation and access.



### Quick Button for Running Test

The test button is conveniently located and easy to find.



## Standard series



1HP, 1.5HP **R32**

SET CONDITION			HS-09ISU	HS-12ISU
Power Supply	V, $\phi$ , Hz		220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	11,500 / 9,200 / 1,700	13,500 / 12,000 / 2,200
	kW	Max / Rated / Min	3.37 / 2.70 / 0.50	3.96 / 3.52 / 0.64
Power Input	Rated	kW	0.77	1.03
Running Current	Rated	A	4.4	5.9
EER		w/w	3.51	3.42
Star Rating			5 Star	5 Star

INDOOR UNIT				HSN09ISU	HSN12ISU
Power Supply	V, $\phi$ , Hz			220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	837 x 308 x 189	837 x 308 x 189
	Shipping	W x H x D	mm	897 x 390 x 254	897 x 390 x 254
Weight	Body		kg	8.2	8.2
	Shipping		kg	9.6	9.6
Fan Type				Cross Fan Flow	Cross Fan Flow
Air Flow Rate	SH / H / M / L	$m^3/min$		- / 9.0 / 6.6 / 4.2	- / 10.0 / 6.6 / 4.2
Fan Motor	Type			BLDC	BLDC
	Output	W x No.		30 x 1	30 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	39 / 33 / 27 / 21	41 / 35 / 27 / 21
	Liquid Side		mm(inch)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)
Piping Connections	Gas Side		mm(inch)	$\phi$ 9.52 (3/8)	$\phi$ 9.52 (3/8)
	Drain Pipe	(O.D. / I.D.)	mm	$\phi$ 21.5 / $\phi$ 16	$\phi$ 21.5 / $\phi$ 16

OUTDOOR UNIT				HSU09ISU	HSU12ISU
Power Supply	V, $\phi$ , Hz			220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D	mm		717 x 495 x 230	717 x 495 x 230
Net Weight		kg		21.7	23.0
	Type			Twin Rotary	Twin Rotary
Compressor	Motor Type			BLDC	BLDC
	Motor Output	W x No.		710 x 1	900 x 1
Refrigerant	Type			R32	R32
	Chargeless-Pipe Length	m		12.5	12.5
	Additional Charging Volume	g/m		15	15
Fan	Type			Propeller Fan	Propeller Fan
	Air Flow Rate	$m^3/min$ x No.		28 X 1	28 X 1
Fan Motor	Type			AC	AC
	Output	W x No.		25 X 1	25 X 1
Sound Pressure Level	Cooling	Rated	dB(A)	50	50
Piping Connections	Liquid	Outer Dia.	mm(inch)	$\phi$ 6.35 (2/8)	$\phi$ 6.35 (2/8)
	Gas	Outer Dia.	mm(inch)	$\phi$ 9.52 (3/8)	$\phi$ 9.52 (3/8)
Piping Length	Min. / Max.	m		3 / 20	3 / 20
Max Height Difference	Outdoor - Indoor	Max.	m	15	15

## Standard series



2HP, 2.5HP **R32**



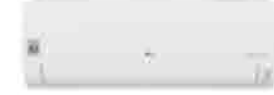
3HP **R32**

SET CONDITION			HS-18ISU	HS-24ISU	HS-30IPC
Power Supply	V, $\phi$ , Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	20,500 / 18,000 / 3,400	23,800 / 21,500 / 3,600	32,414 / 28,320 / 6,824
	kW	Max / Rated / Min	6.01 / 5.28 / 1.00	6.98 / 6.30 / 1.06	9.50 / 8.30 / 2.00
Power Input	Rated	kW	1.54	1.85	2.26
Running Current	Rated	A	7.1	8.5	10.1
EER	w/w		3.43	3.4	3.67
Star Rating			5 Star	5 Star	5 Star

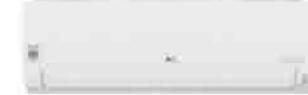
INDOOR UNIT				HSN18ISU	HSN24ISU	HSN30IPC
Power Supply	V, $\phi$ , Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	998 x 345 x 210	998 x 345 x 210	1,200 x 360 x 265
	Shipping	W x H x D	mm	1,068 x 425 x 279	1,068 x 425 x 279	1,280 x 455 x 360
	Body		kg	11.2 (24.7)	11.2 (24.7)	18.5 (40.8)
Weight	Shipping		kg	13.2 (29.1)	13.2 (29.1)	22.2 (48.9)
	Fan Type	Cross Flow Fan			Cross Flow Fan	Cross Flow Fan
Air Flow Rate	SH / H / M / L	m <sup>3</sup> /min	- / 12.7 / 10.2 / 8.4	- / 15.0 / 12.5 / 10.6	- / 25.0 / 21.0 / 17.0	
Fan Motor	Type	BLDC			BLDC	BLDC
	Output	W x No.	30			30
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	45 / 40 / 37 / 32	47 / 41 / 37 / 32	51 / 46 / 42 / 33
	Liquid Side		mm(inch)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)
Piping Connections	Gas Side		mm(inch)	$\phi$ 12.7 (1/2)	$\phi$ 15.88 (5/8)	$\phi$ 15.88 (5/8)
	Drain Pipe	(O.D. / I.D.)	mm	$\phi$ 21.5 / $\phi$ 16	$\phi$ 21.5 / $\phi$ 16	$\phi$ 21.5 / $\phi$ 16

OUTDOOR UNIT				HSU18ISU	HSU24ISU	HSU30IPC
Power Supply	V, $\phi$ , Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D			mm	770 x 454 x 288	870 x 650 x 330
Net Weight				kg	30.7	42.5
	Type	-			Twin Rotary	Twin Rotary
Compressor	Motor Type	-			BLDC	BLDC
	Motor Output	W x No.	1,500 x 1			1,500 x 1
	Type	-			R32	R32
Refrigerant	Chargeless-Pipe Length	m			12.5	12.5
	Additional Charging Volume	g/m			15	20
Fan	Type	-			Propeller Fan	Propeller Fan
	Air Flow Rate	m <sup>3</sup> /min x No.	31 x 1			49 x 1
Fan Motor	Type	BLDC			BLDC	BLDC
	Output	W x No.	430 x 1			850 x 1
Sound Pressure Level	Cooling	Rated	dB(A)	53	55	55
	Liquid	Outer Dia.	mm(inch)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)
Piping Connections	Gas	Outer Dia.	mm(inch)	$\phi$ 12.7 (1/2)	$\phi$ 15.88 (5/8)	$\phi$ 15.88 (5/8)
	Piping Length	Min. / Max.	m	3 / 30	3 / 30	3 / 50
Max Height Difference	Outdoor - Indoor	Max.	m	15	20	30

## Standard Plus series



1HP, 1.5HP **R32**



2HP, 2.5HP **R32**

SET CONDITION			HS-09IPX	HS-12IPX	HS-18IPX	HS-24IPX
Power Supply	V, $\phi$ , Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	9,858 / 8,871 / 1,000	12,199 / 11,260 / 4,850	20,000 / 18,000 / 4,739	23,800 / 21,500 / 6,161
	kW	Max / Rated / Min	2.89 / 2.60 / 0.29	3.58 / 3.30 / 1.42	5.86 / 5.28 / 1.39	6.98 / 6.30 / 1.81
Power Input	Rated	kW	0.63	0.84	1.54	1.85
Running Current	Rated	A	3.6	4.1	7.1	8.5
EER	w/w		3.20	3.93	3.43	3.41
Star Rating	w/w		5 Star	5 Star	5 Star	5 Star

INDOOR UNIT				HSN09IPX	HSN12IPX	HSN18IPX	HSN24IPX
Power Supply	V, $\phi$ , Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 385 x 210
	Shipping	W x H x D	mm	897 x 390 x 254	897 x 390 x 254	1,068 x 425 x 279	1,068 x 425 x 279
	Body		kg	8.7	8.7	11.2	11.2
Weight	Shipping		kg	10.5	10.5	13.2	13.2
	Fan Type	Cross Fan Flow			Cross Fan Flow	Cross Fan Flow	Cross Fan Flow
Air Flow Rate	SH / H / M / L	m <sup>3</sup> /min	10.5 / 9.0 / 6.6 / 4.2	13.0 / 10.0 / 6.6 / 4.1	18.0 / 12.7 / 10.2 / 8.4	20.0 / 15.0 / 12.5 / 10.6	
Fan Motor	Type	BLDC			BLDC	BLDC	BLDC
	Output	W x No.	30 x 1			30 x 1	30 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	39 / 33 / 27 / 21	41 / 35 / 27 / 21	45 / 40 / 37 / 32	47 / 41 / 37 / 32
	Liquid Side		mm(inch)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)
Piping Connections	Gas Side		mm(inch)	$\phi$ 9.52 (3/8)	$\phi$ 9.52 (3/8)	$\phi$ 12.7 (1/2)	$\phi$ 15.88 (5/8)
	Drain Pipe	(O.D. / I.D.)	mm	$\phi$ 21.5 / $\phi$ 16	$\phi$ 21.5 / $\phi$ 16	$\phi$ 21.5 / $\phi$ 16	$\phi$ 21.5 / $\phi$ 16

OUTDOOR UNIT				HSU09IPX	HSU12IPX	HSU18IPX	HSU24IPX
Power Supply	V, $\phi$ , Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D			mm	720 x 500 x 230	720 x 500 x 230	770 x 545 x 288
Net Weight				kg	22.7	23.9	32.5
	Type	-			Twin Rotary	Twin Rotary	Twin Rotary
Compressor	Motor Type	-			BLDC	BLDC	BLDC
	Motor Output	W x No.	710 x 1			900 x 1	1,500 x 1
	Type	-			R32	R32	R32
Refrigerant	Chargeless-Pipe Length	m			12.5	12.5	12.5
	Additional Charging Volume	g/m			15	15	20
Fan	Type	-			Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate	m <sup>3</sup> /min x No.	28 X 1			28 X 1	31 X 1
Fan Motor	Type	AC			BLDC	BLDC	BLDC
	Output	W x No.	28 X 1			43 X 1	43 X 1
Sound Pressure Level	Cooling	Rated	dB(A)	50	50	53	55
	Liquid	Outer Dia.	mm(inch)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)	$\phi$ 6.35 (1/4)
Piping Connections	Gas	Outer Dia.	mm(inch)	$\phi$ 9.52 (3/8)	$\phi$ 9.52 (3/8)	$\phi$ 12.7 (1/2)	$\phi$ 15.88 (5/8)
	Piping Length	Min. / Max.	m	3 / 20	3 / 20	3 / 30	3 / 30
Max Height Difference	Outdoor - Indoor	Max.	m	15	15	20	20





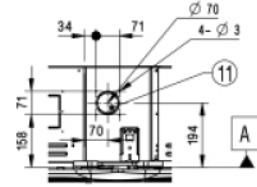
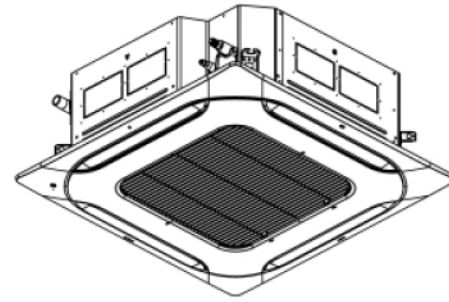


# CEILING MOUNTED CASSETTE 4 WAY

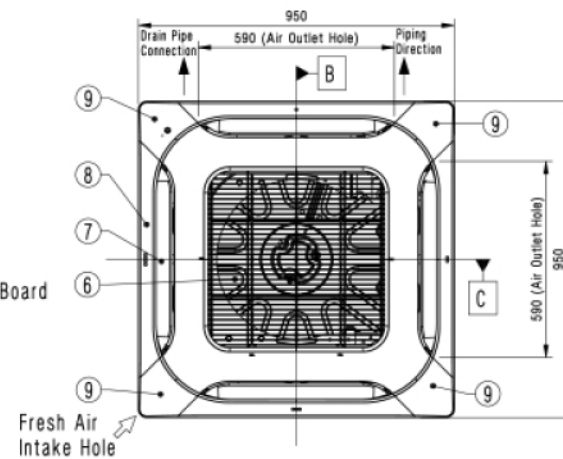
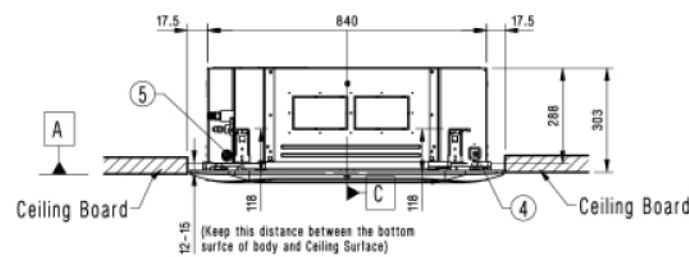
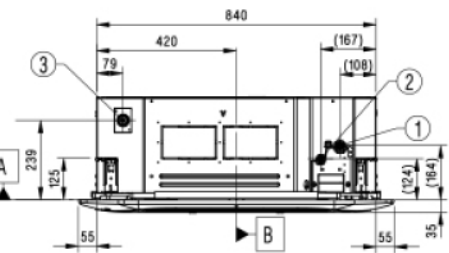
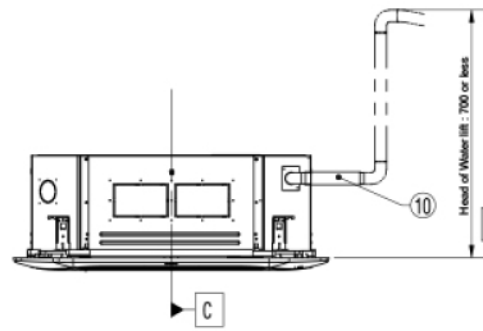
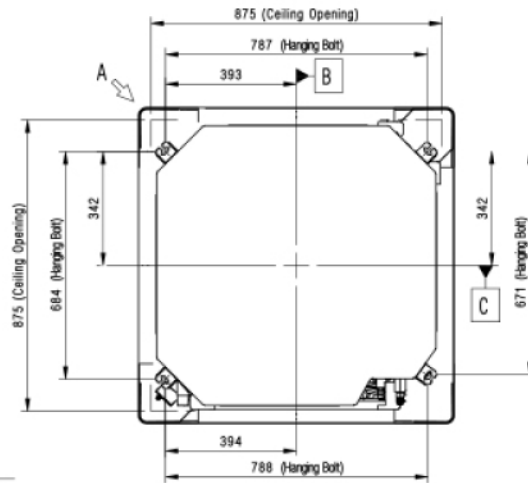
[STANDARD] ZTNQ48GMLA0  
[ENTRY] ZTNQ60GMLA0

(Unit : mm)

PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Wire Routing Hole
5 Wired Remote Controller Wire Routing Hole
6 Air Inlet
7 Air Outlet
8 Decoration Panel (Accessory)
9 Decoration Corner Cover
10 Flexible Drain Hose
11 Fresh air Intake Hole



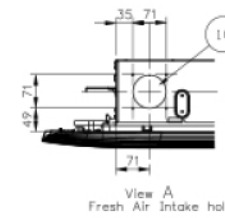
View A  
Fresh Air Intake hole



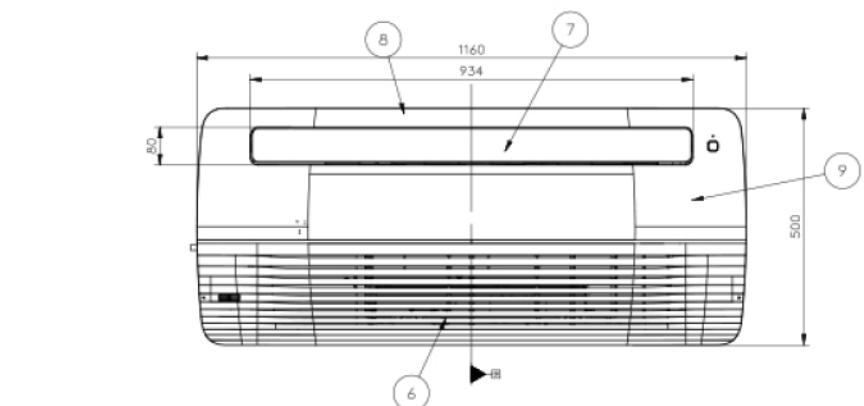
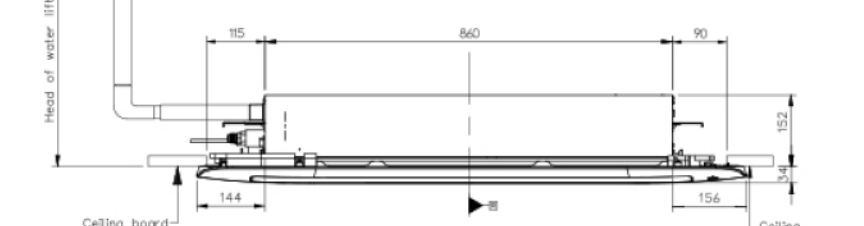
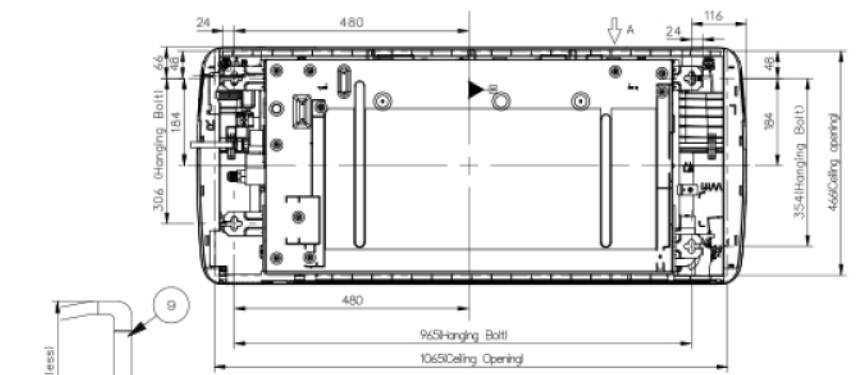
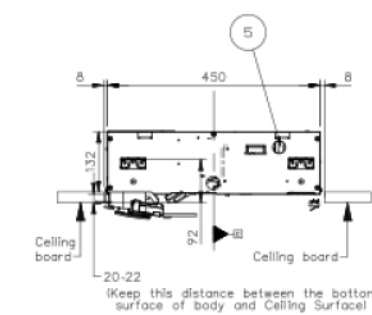
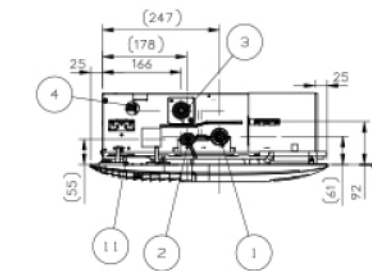
[STANDARD] ZTNQ12GULA0

(Unit : mm)

PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Routing Hole
5 Wired Remote Controller Wire Routing Hole
6 Air Inlet
7 Air Outlet
8 Decoration Panel (Accessory)
9 Flexible Drain Hose
10 Fresh air Intake Hole
11 Air Purifier Kit



View A  
Fresh Air Intake hole



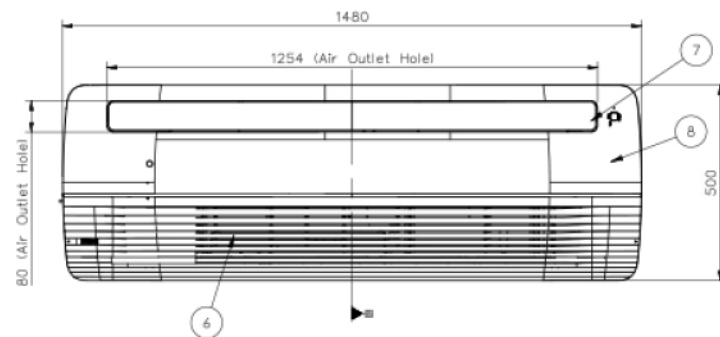
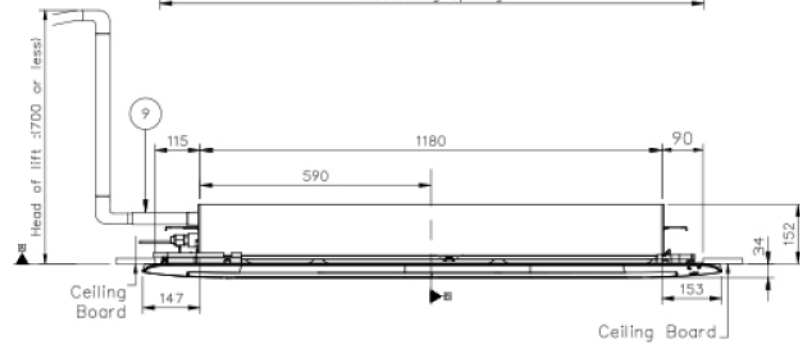
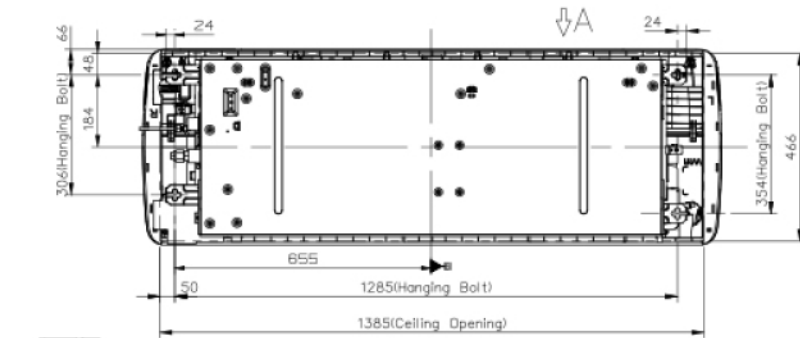
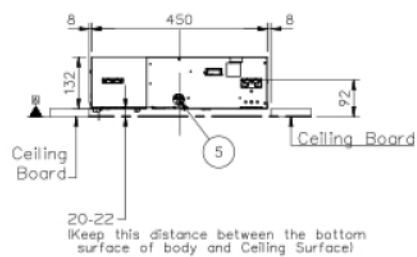
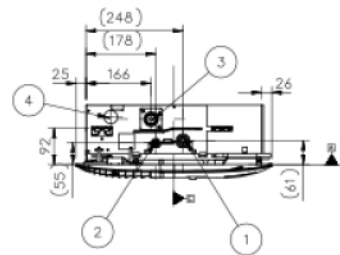
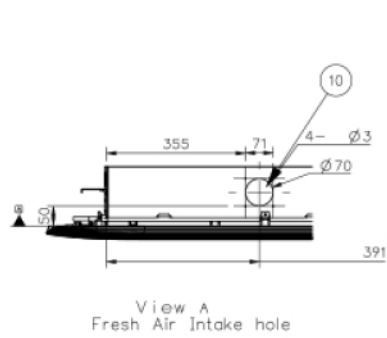
# CEILING MOUNTED CASSETTE 1 WAY

# CEILING MOUNTED CASSETTE 1 WAY

[STANDARD] ZTNQ18GTLA0 / ZTNQ24GTLA0

(Unit: mm)

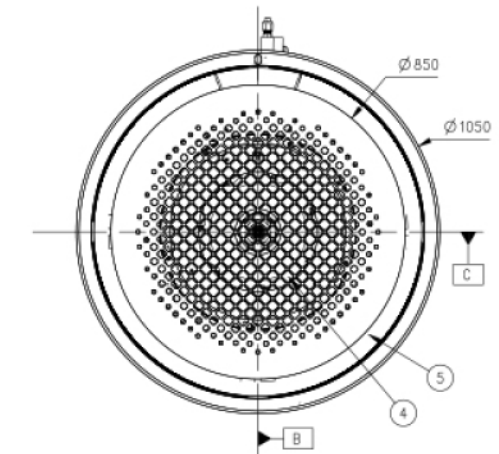
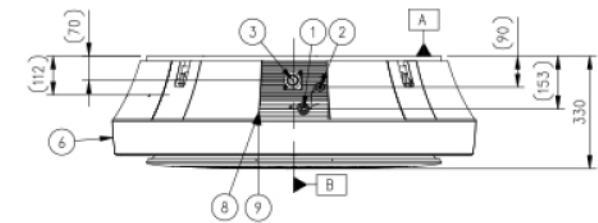
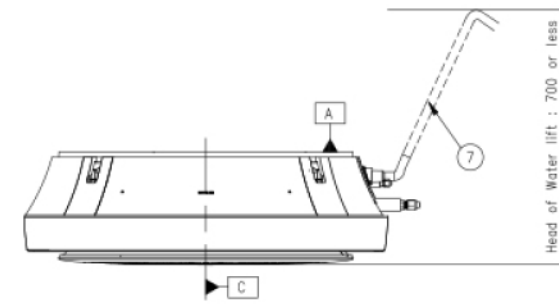
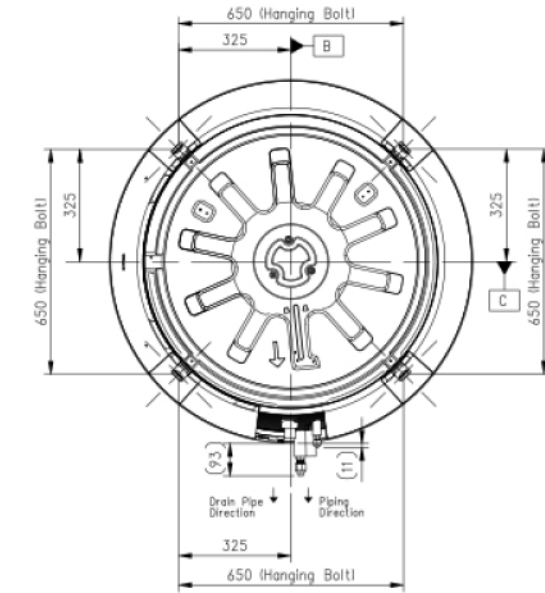
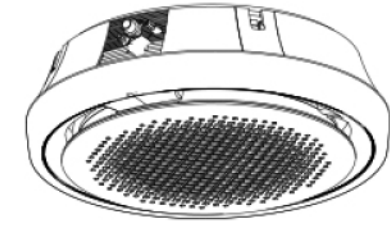
PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Wire Routing Hole
5 Wired Remote Controller Wire Routing Hole
6 Air Inlet
7 Air Outlet
8 Decoration Panel (Accessory)
9 Flexible Drain Hose
10 Fresh air Intake Hole



[STANDARD] ZTNQ36GYLA0 / ZTNQ48GYLA0

(Unit: mm)

PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Air Inlet
5 Air Outlet
6 Decor Panel Assembly
7 Flexible Drain Hose
8 Power and Communication Cable Routing Hole
9 Wired Remote Controller Wire Routing Hole



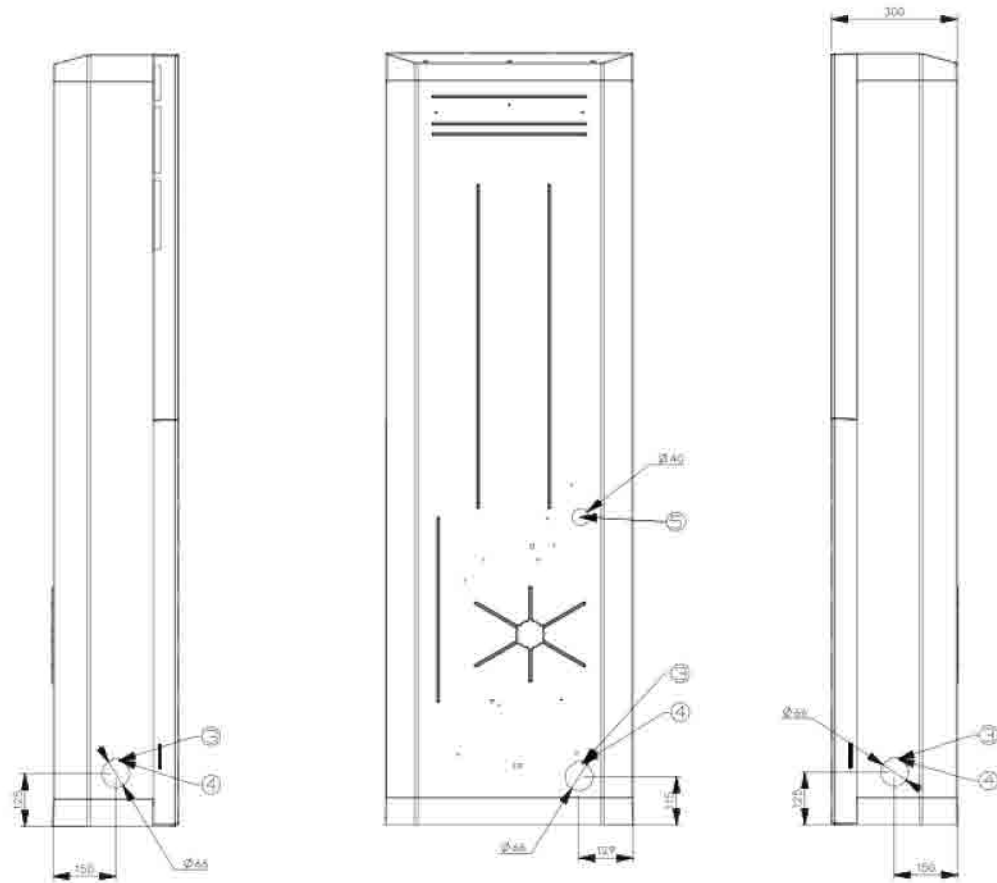
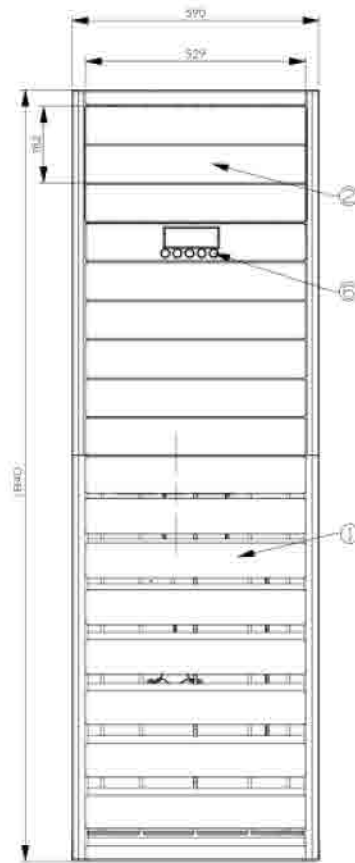
# ROUND CASSETTE

# FLOOR STANDING

[STANDARD] ZPNQ36GR5A0  
 [ENTRY] ZPNQ30GR5E0

(Unit : mm)

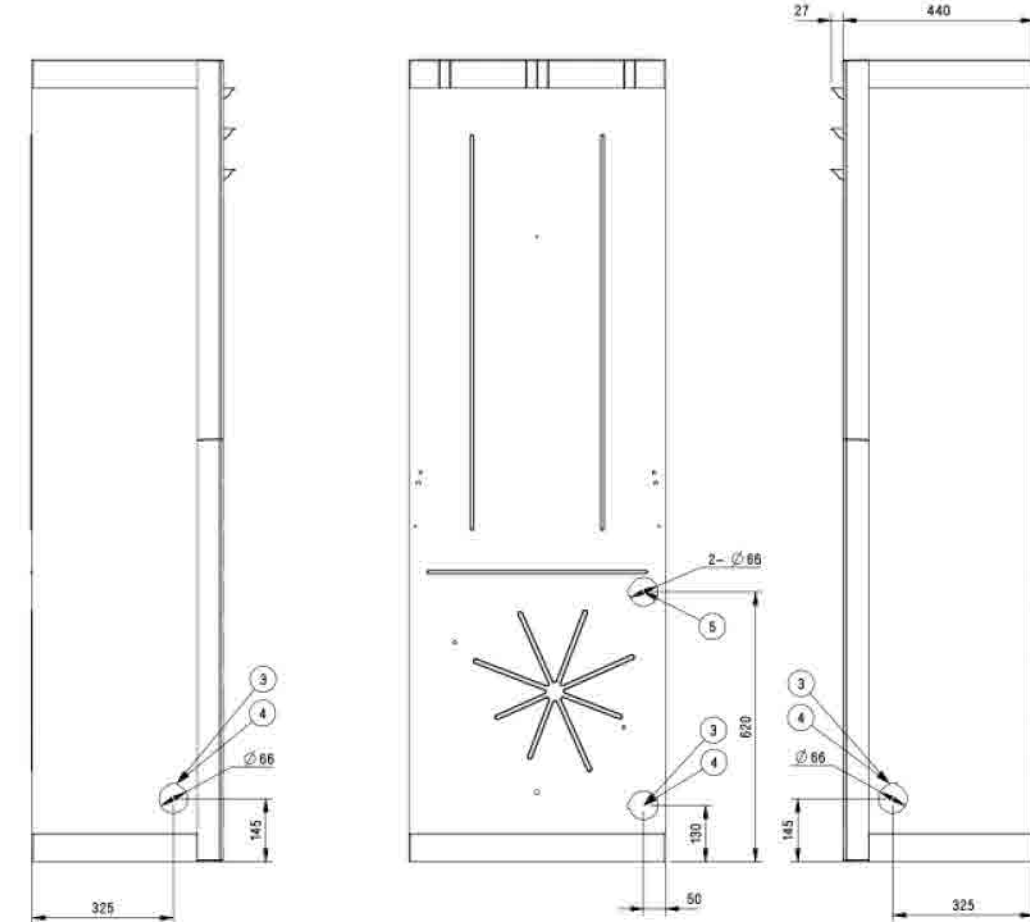
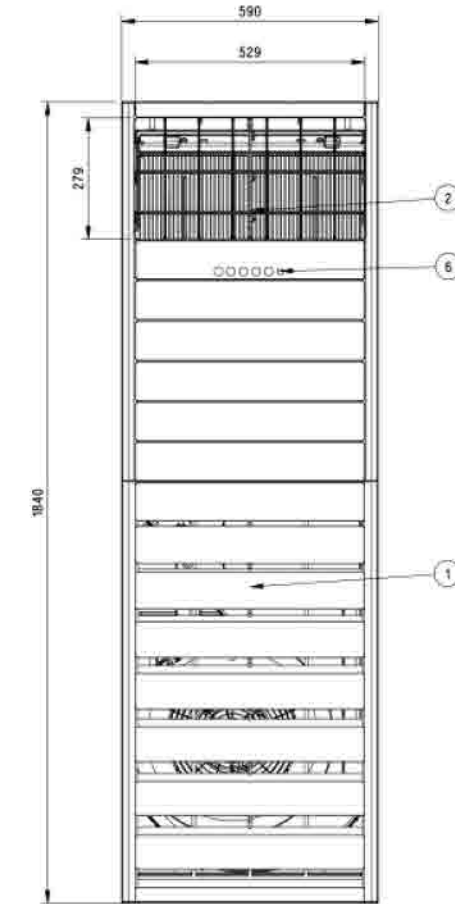
	PART NAME
1	Inlet Grill
2	Air Outlet
3	Piping Hole
4	Wiring Hole
5	Drain Routing Hole
6	Remote Controller Receiver



[STANDARD] ZPNQ48GT3A0 / APNQ60GT3E4  
 [ENTRY] ZPNQ36GT3E0 / ZPNQ60GT3A0

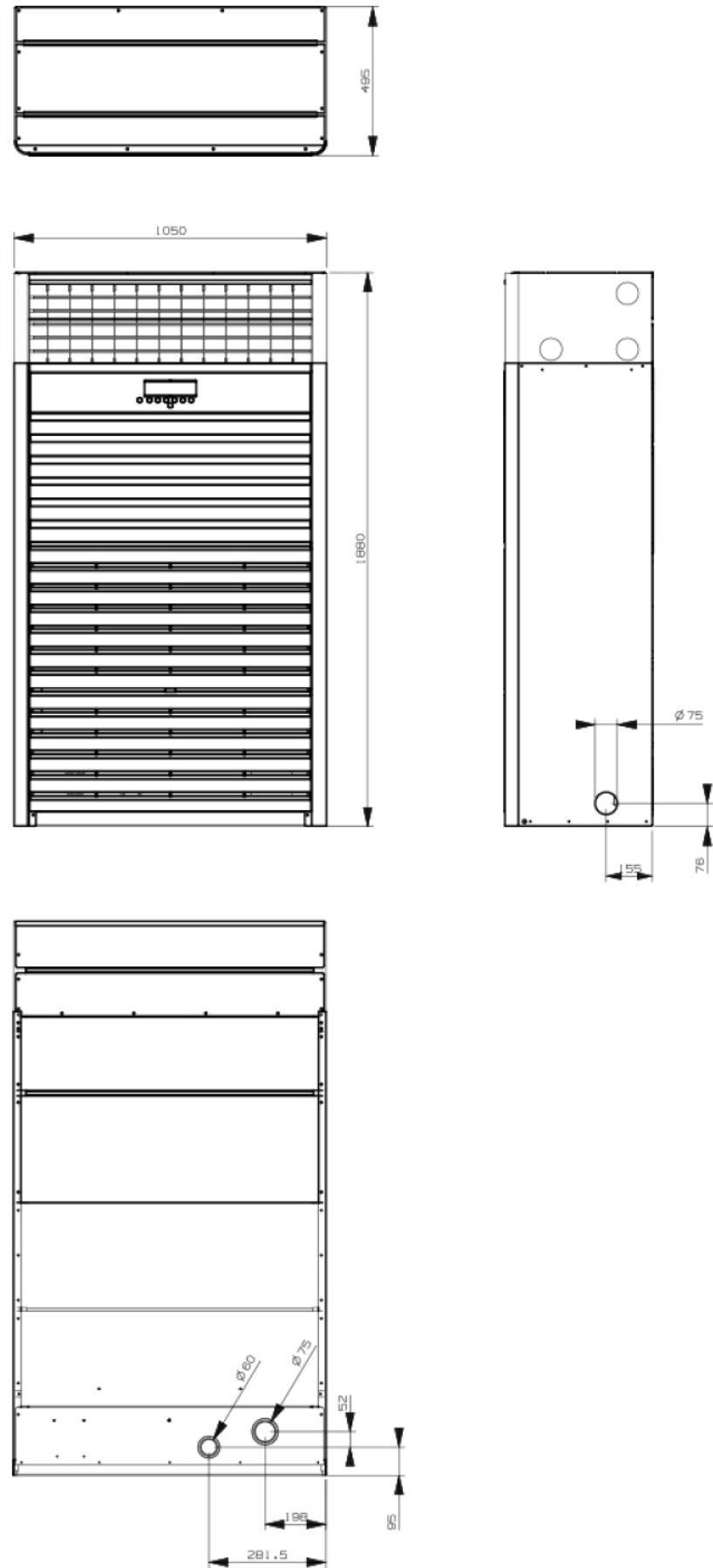
(Unit : mm)

	PART NAME
1	Inlet Grill
2	Air Outlet
3	Piping Hole
4	Wiring Hole
5	Drain Routing Hole
6	Remote Controller Receiver



# FLOOR STANDING

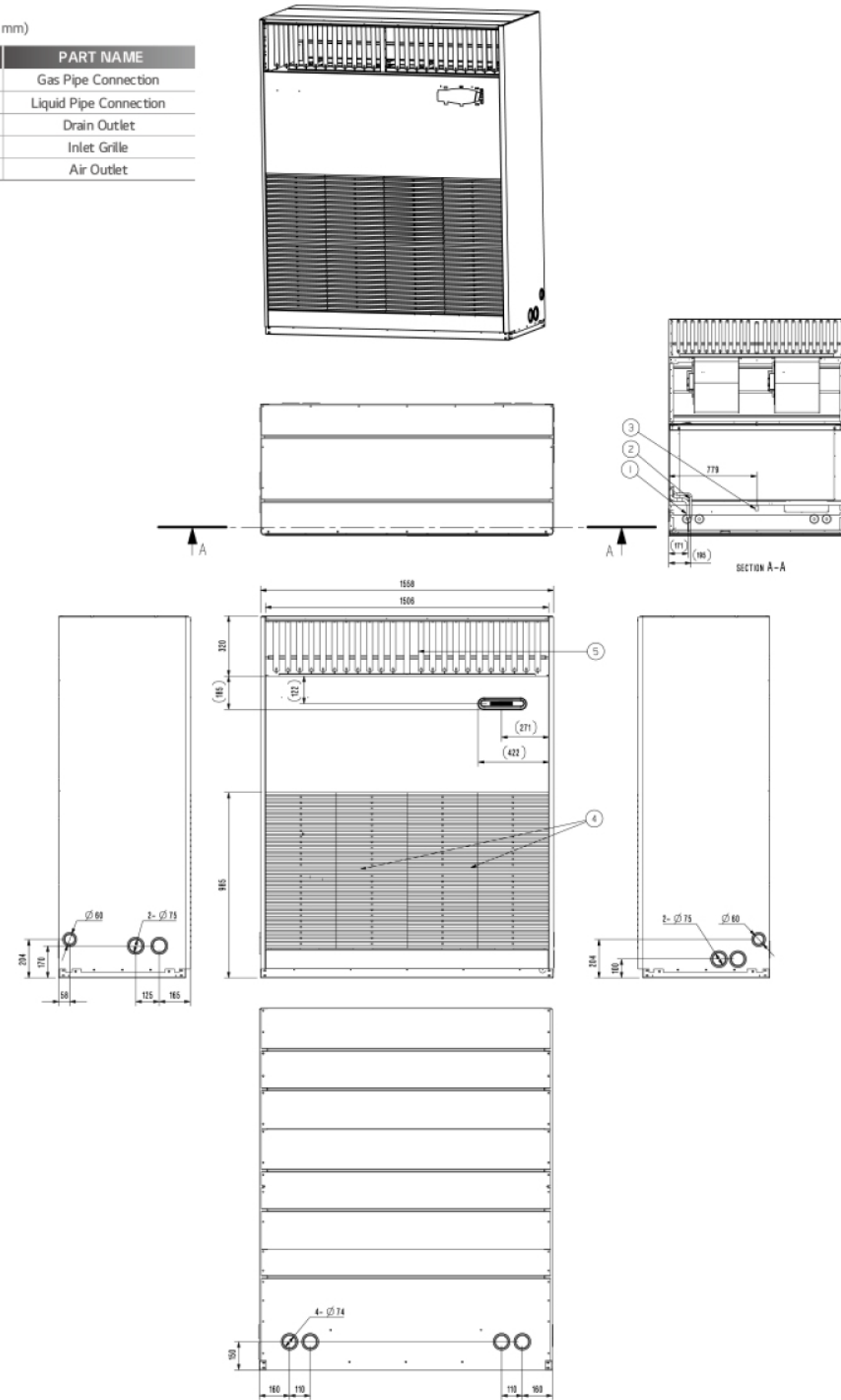
[STANDARD] APNQ100LFA0



[STANDARD] APNQ150LNA0 / APNQ200LNA0

(Unit : mm)

	PART NAME
1	Gas Pipe Connection
2	Liquid Pipe Connection
3	Drain Outlet
4	Inlet Grille
5	Air Outlet



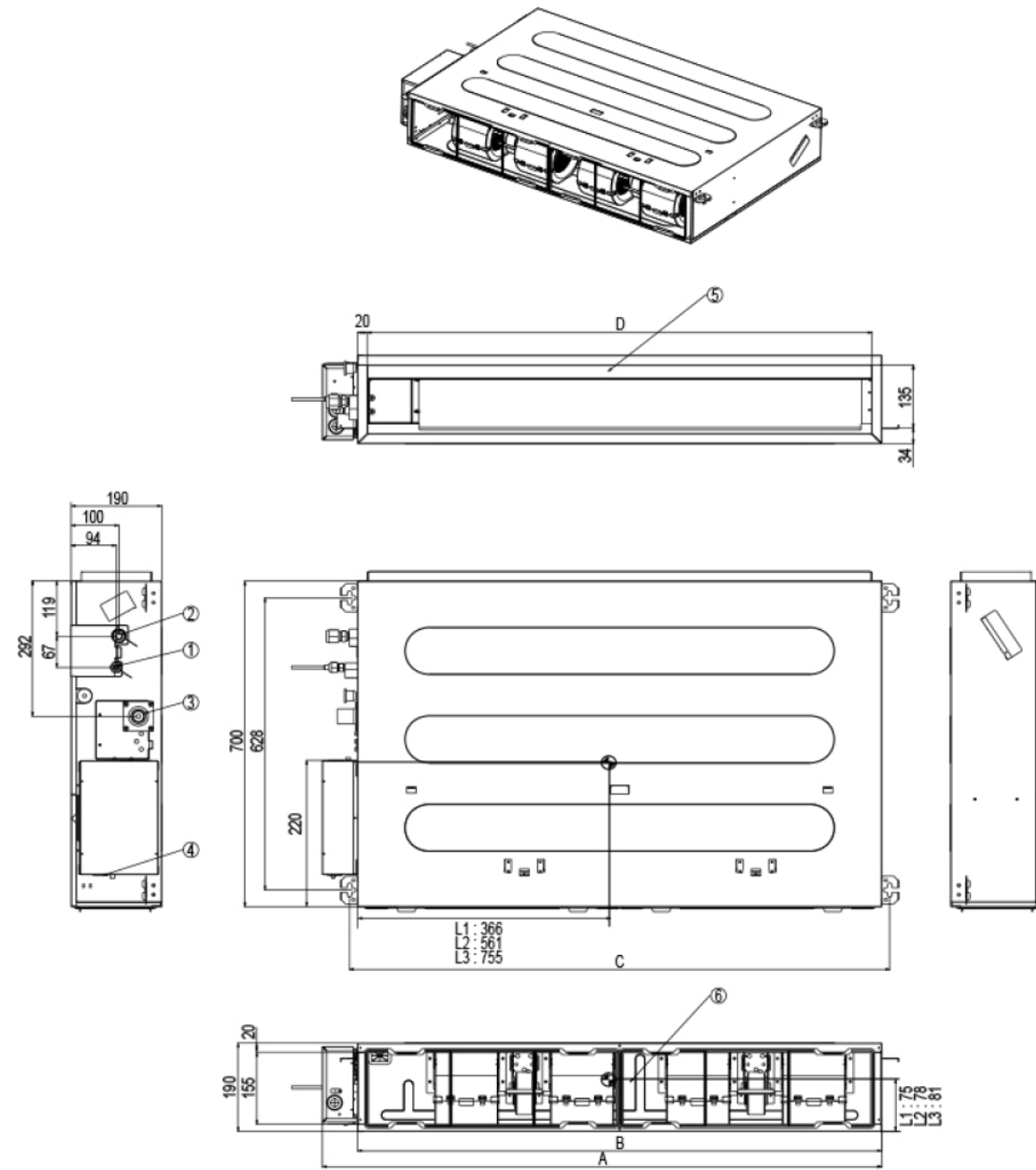
# CEILING CONCEALED DUCT

[STANDARD] ZBNQ18GL2A0

(Unit : mm)

	PART NAME
1	Liquid Pipe Connection
2	Gas pipe Connection
3	Drain pipe Connection
4	Power Supply Connection
5	Air Discharge
6	Air Suction

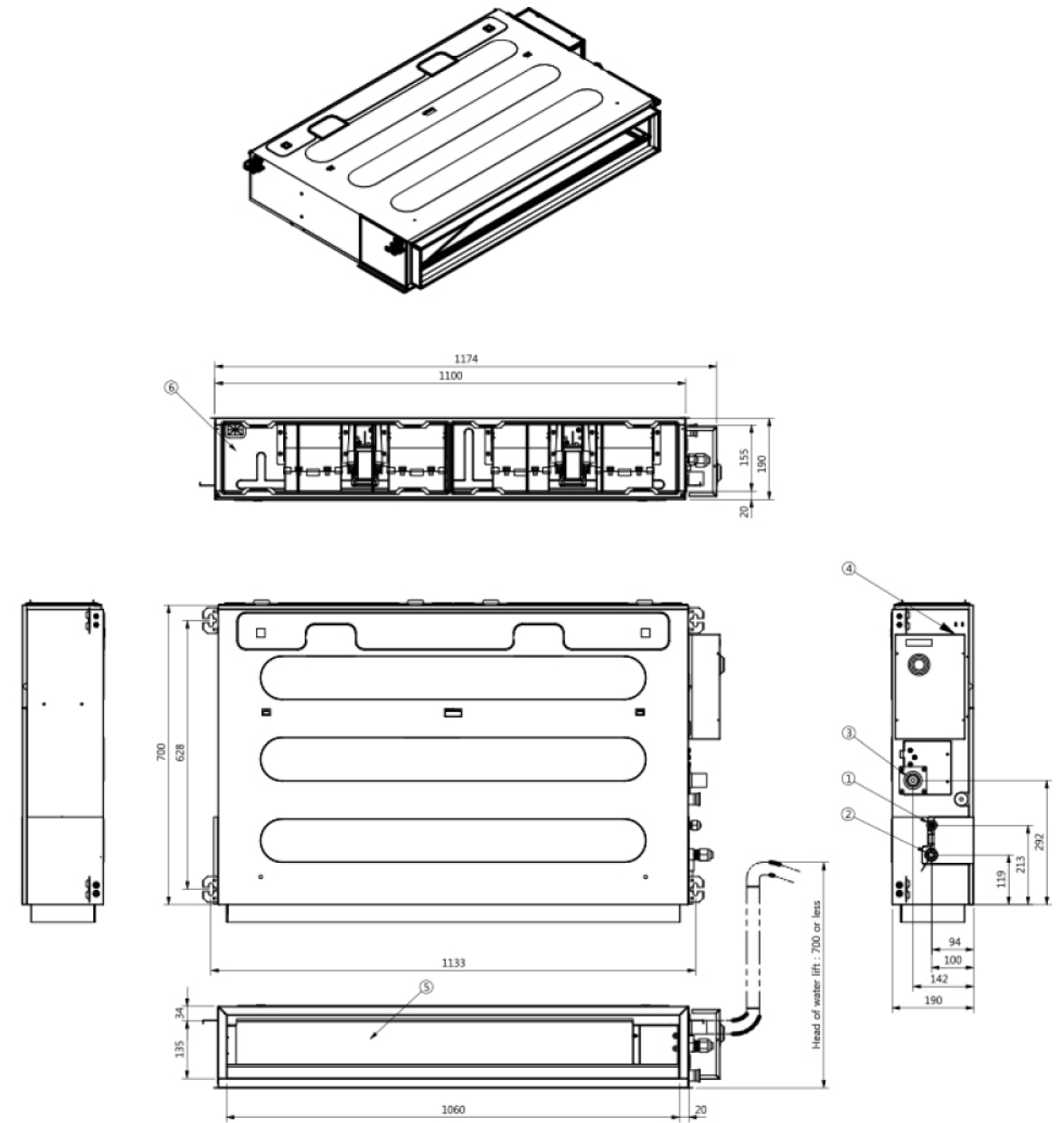
Chassis	A	B	C	D
L1	774	700	733	660
L2	974	900	933	860
L3	1,174	1,100	1,133	1,060



[STANDARD] ZBNQ24GL3A0

(Unit : mm)

	PART NAME
1	Liquid Pipe Connection
2	Gas pipe Connection
3	Drain pipe Connection
4	Power Supply Connection
5	Air Discharge
6	Air Suction

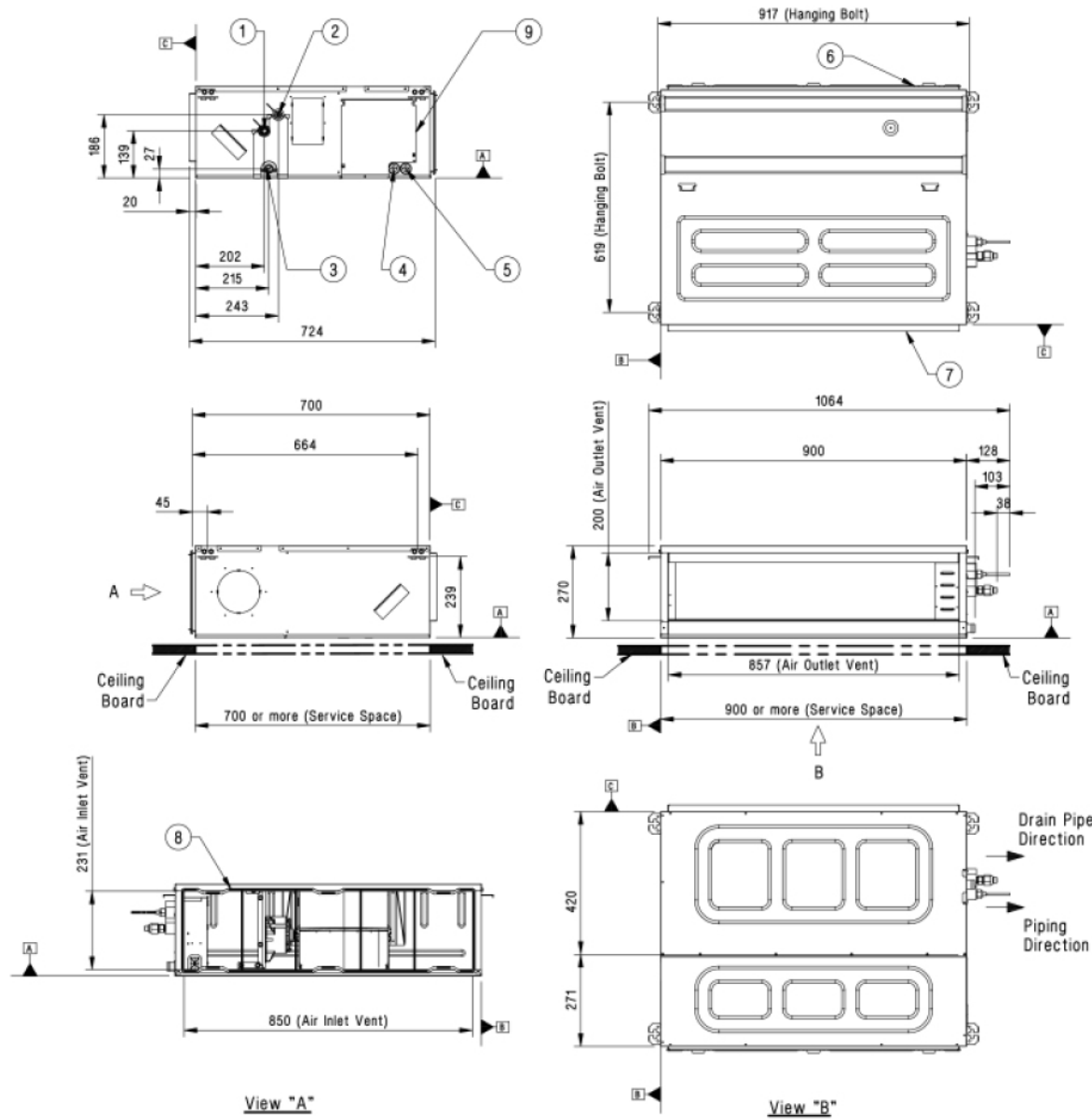
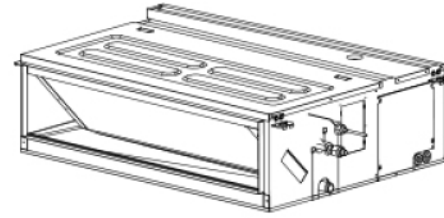


# CEILING CONCEALED DUCT

[STANDARD] ZBNQ18GM1A0 / ZBNQ24GM1A0

(Unit : mm)

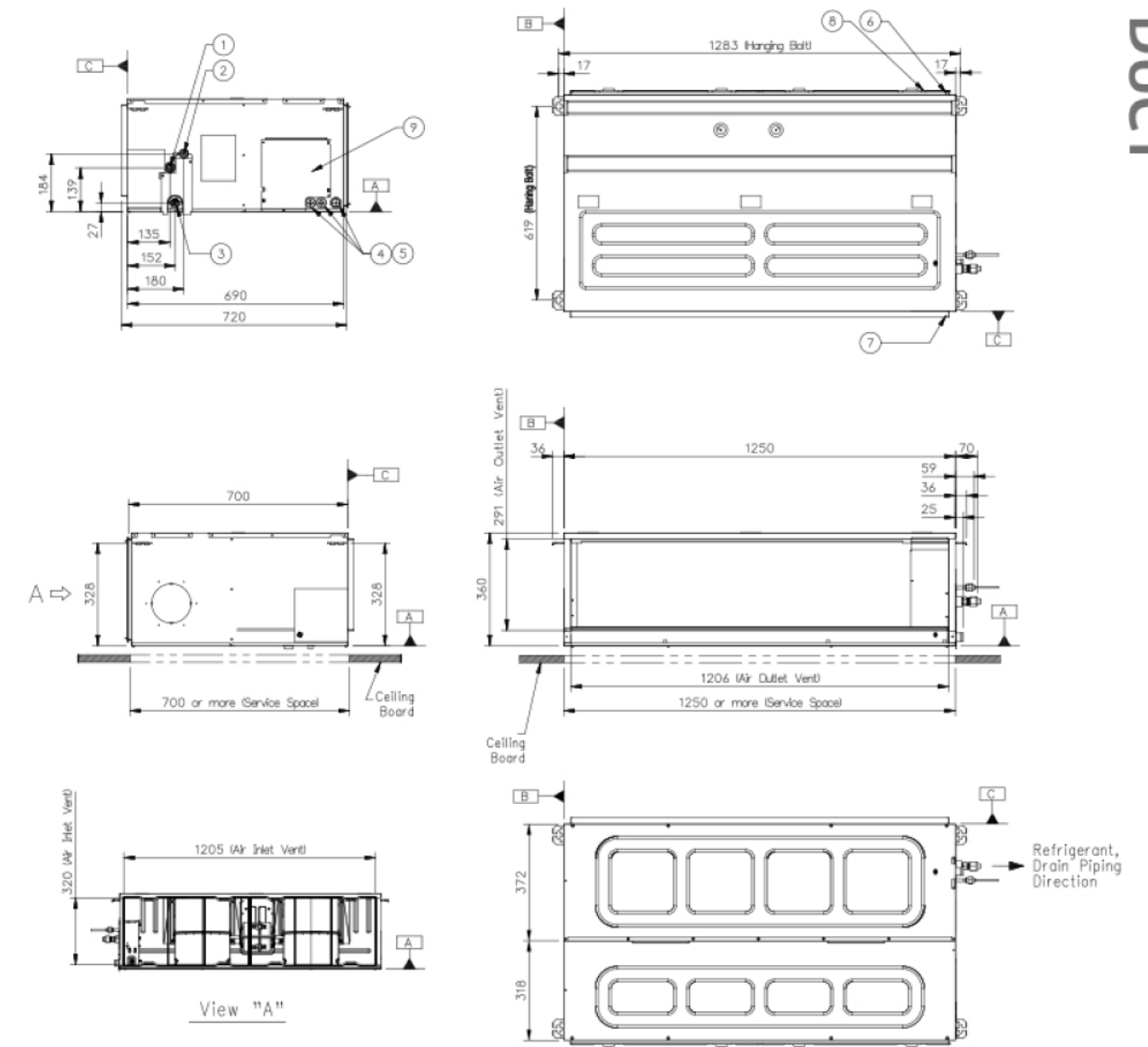
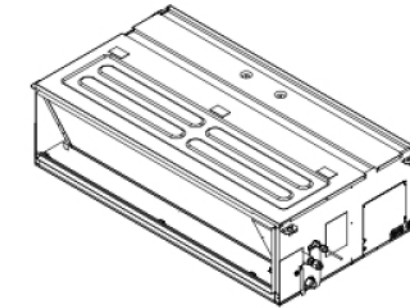
PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Routing Hole
5 Wired Remote Controller Wire Routing Hole
6 Air Inlet Vent
7 Air Outlet Vent
8 Air Filter
9 Control Cover



[STANDARD] ZBNQ36GM3A0 / ZBNQ48GM3A0 / ZBNQ60GM3A0

(Unit : mm)

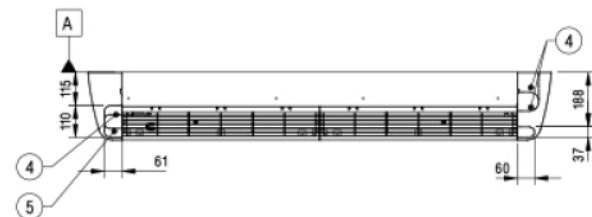
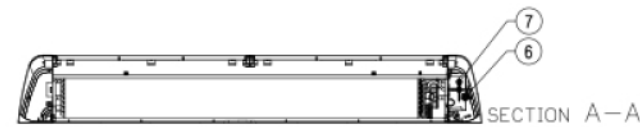
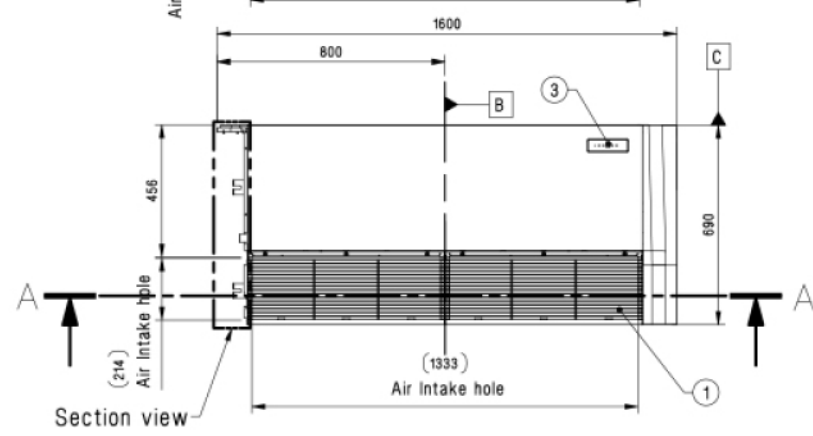
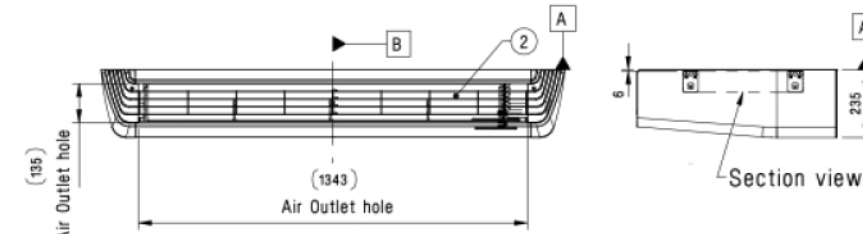
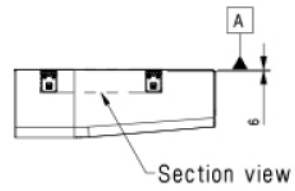
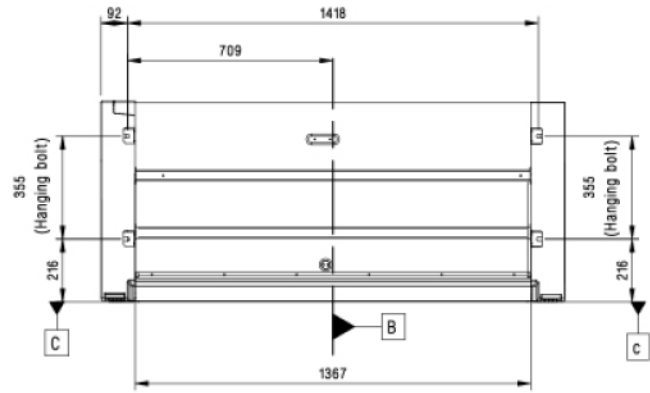
PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Hole
5 Remote Controller Cable Hole
6 Air Inlet
7 Air Outlet
8 Air Filter
9 Control Cover



[STANDARD] ZVNQ36GM2A0 / ZVNQ48GM2A0 / AVNQ60GM2A4  
 [ENTRY] ZVNQ36GM2E0 / ZVNQ60GM2A0

(Unit: mm)

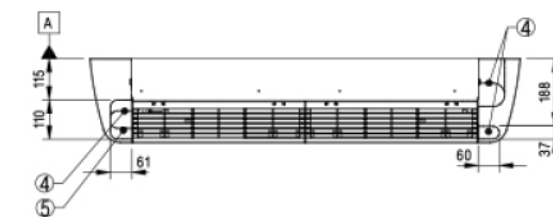
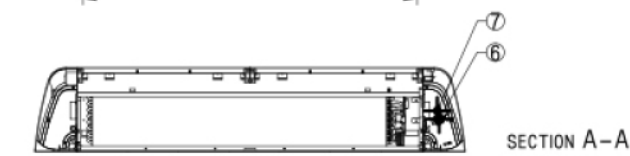
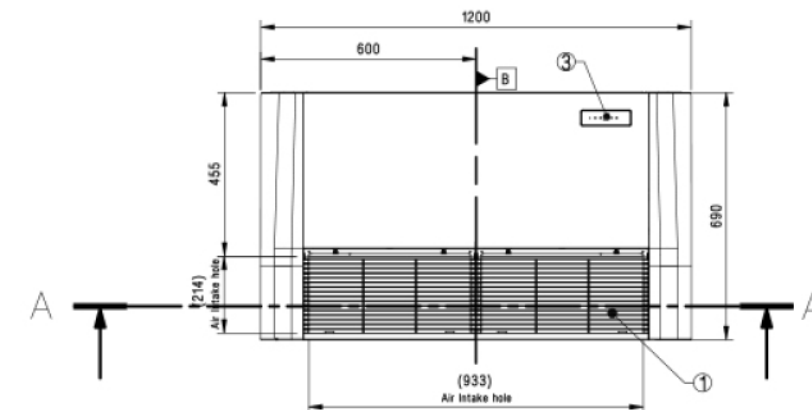
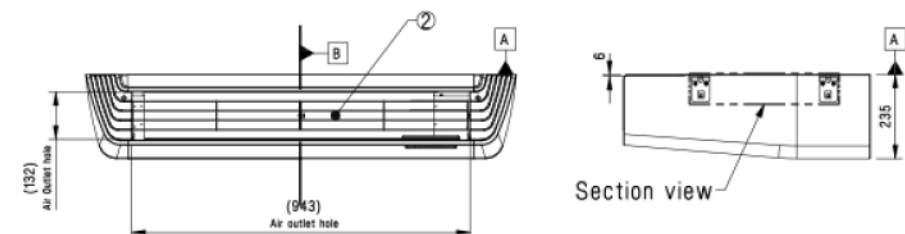
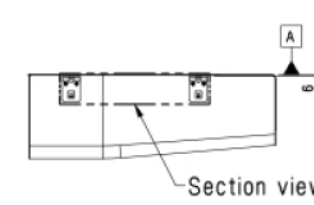
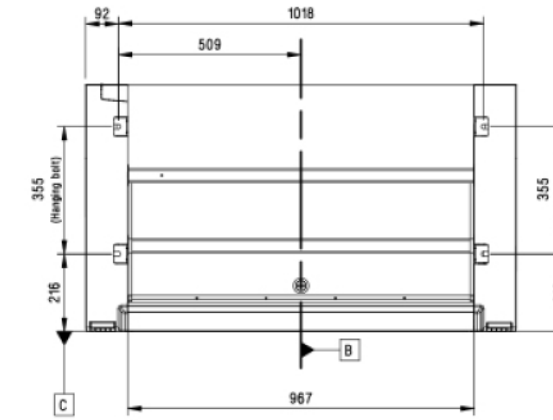
PART NAME
1 Air Intake
2 Air Outlet
3 Remote Controller Signal Receiver
4 Drain Hose Routing Hole
5 Refrigerant Pipe and Cable Routing Hole
6 Gas Pipe Connection
7 Liquid Pipe Connection



[ENTRY] ZVNQ24GM1E0 / ZVNQ30GM1E0

(Unit: mm)

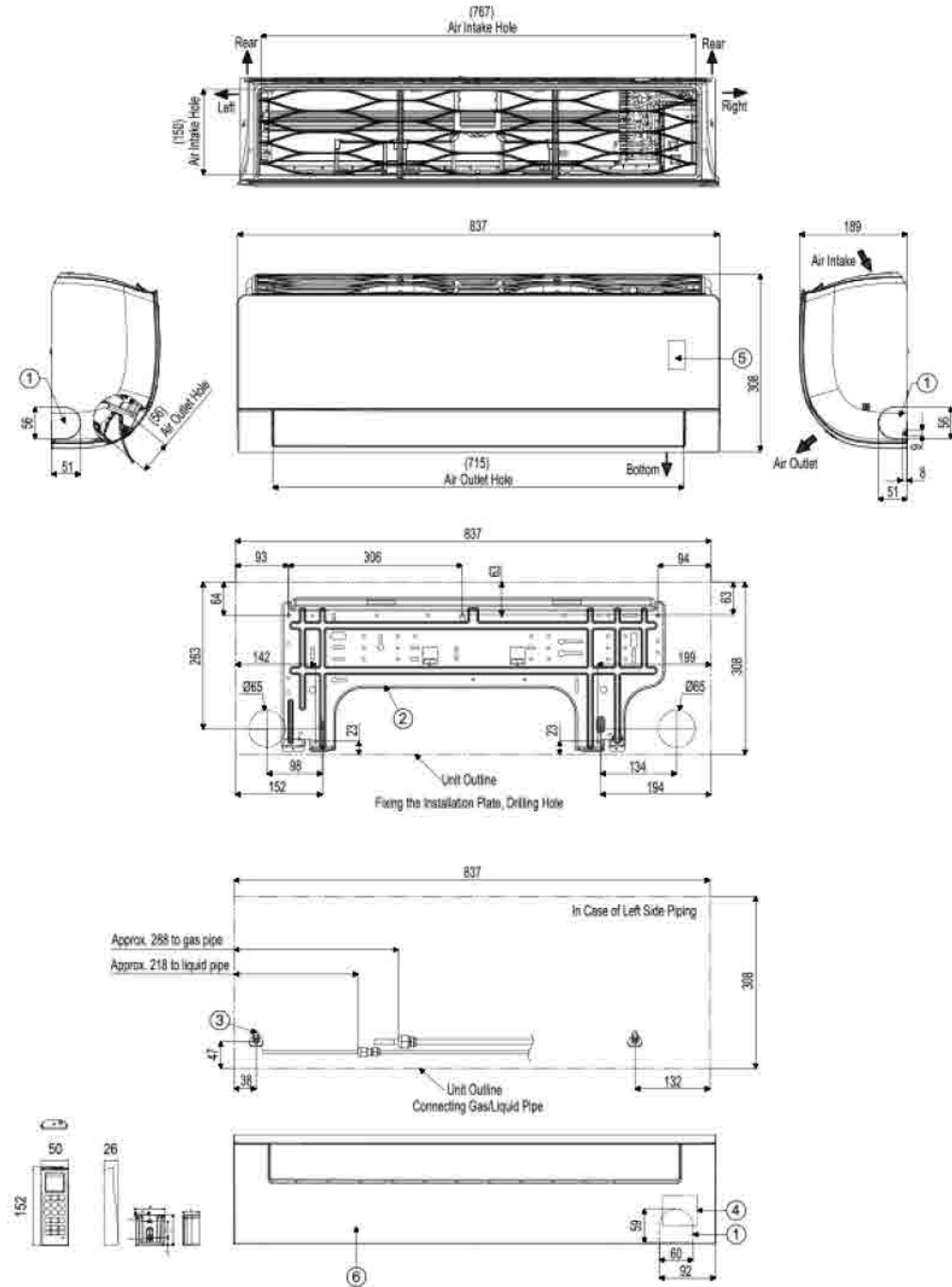
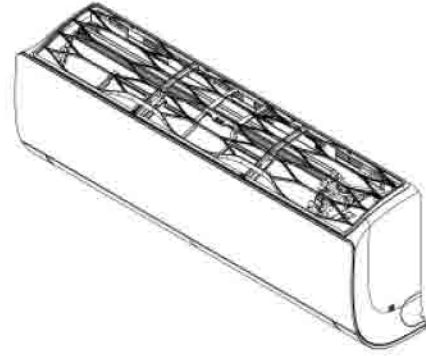
PART NAME
1 Air Intake
2 Air Outlet
3 Remote Controller Signal Receiver
4 Drain Hose Routing Hole
5 Refrigerant Pipe and Cable Routing Hole
6 Gas Pipe Connection
7 Liquid Pipe Connection



HSN09ISU / HSN12ISU / HSN09IPX / HSN12IPX

(Unit : mm)

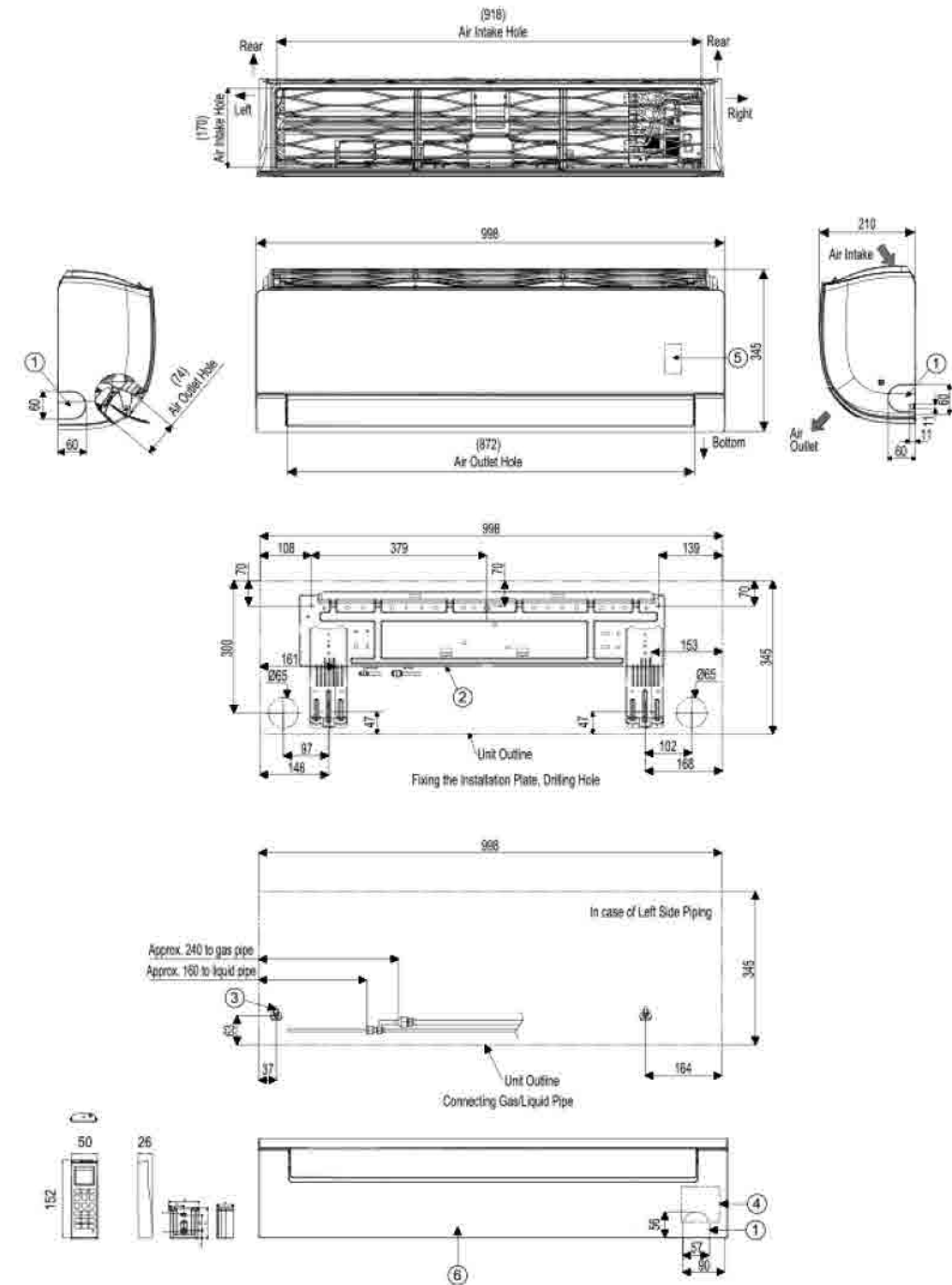
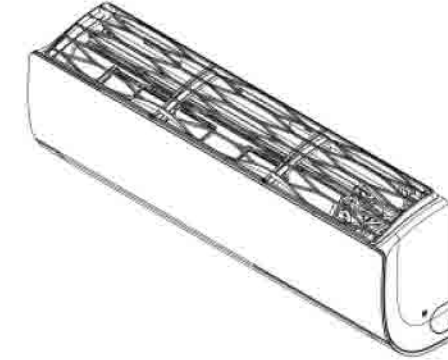
PART NAME	
1	Refrigerant , Drain Pipe and Cable Routing Hole
2	Installation Plate
3	Drain Hose Connection
4	Terminal Block for Power Supply and Communication
5	Display & Remote Controller Signal Receiver
6	Decoration Cover



HSN18ISU / HSN24ISU / HSN18IPX / HSN24IPX

(Unit : mm)

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

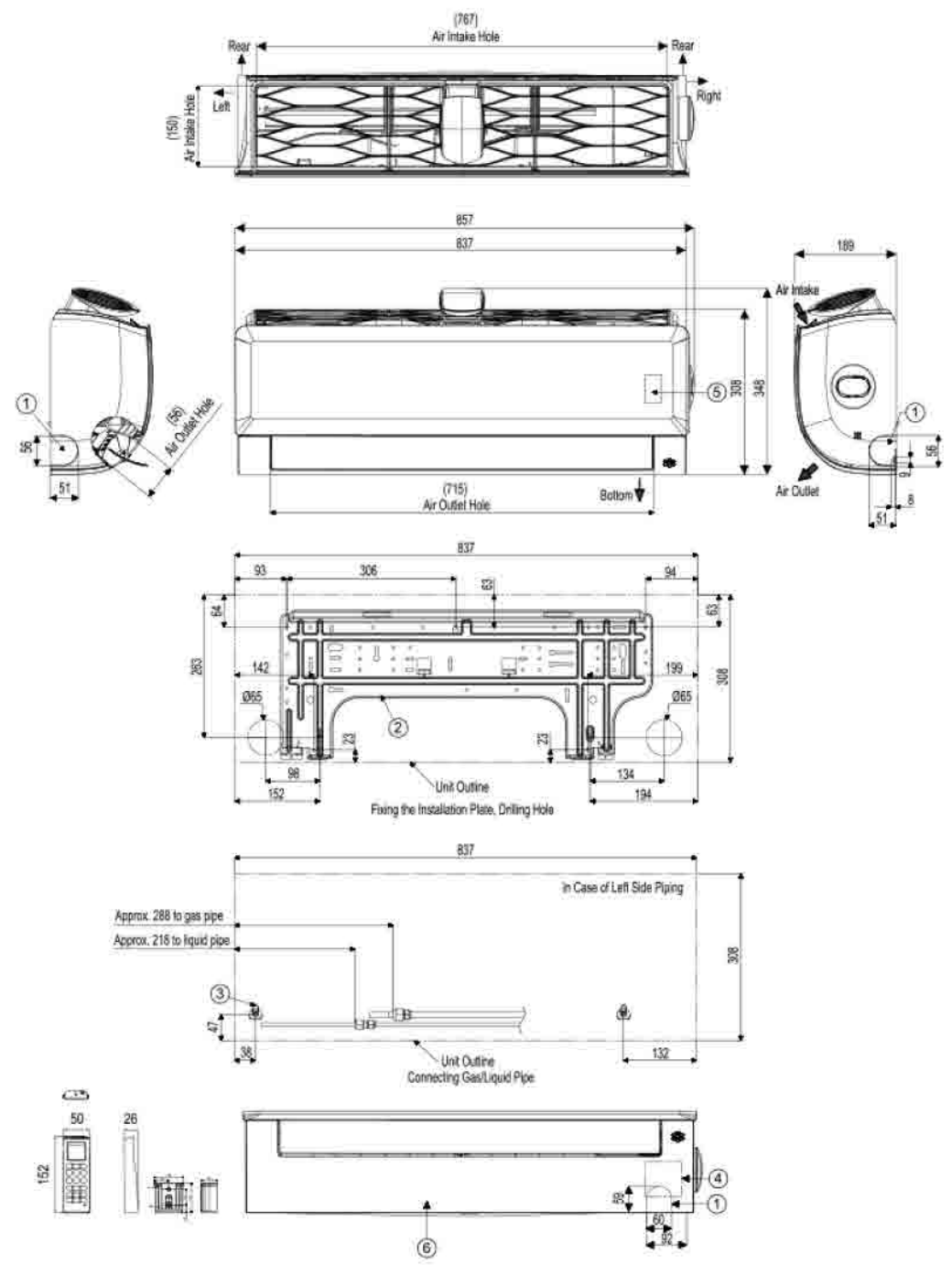
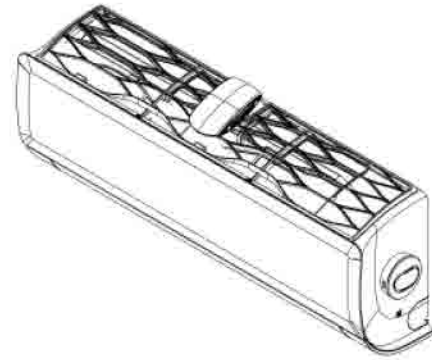




HSN09APX / HSN12APX

(Unit : mm)

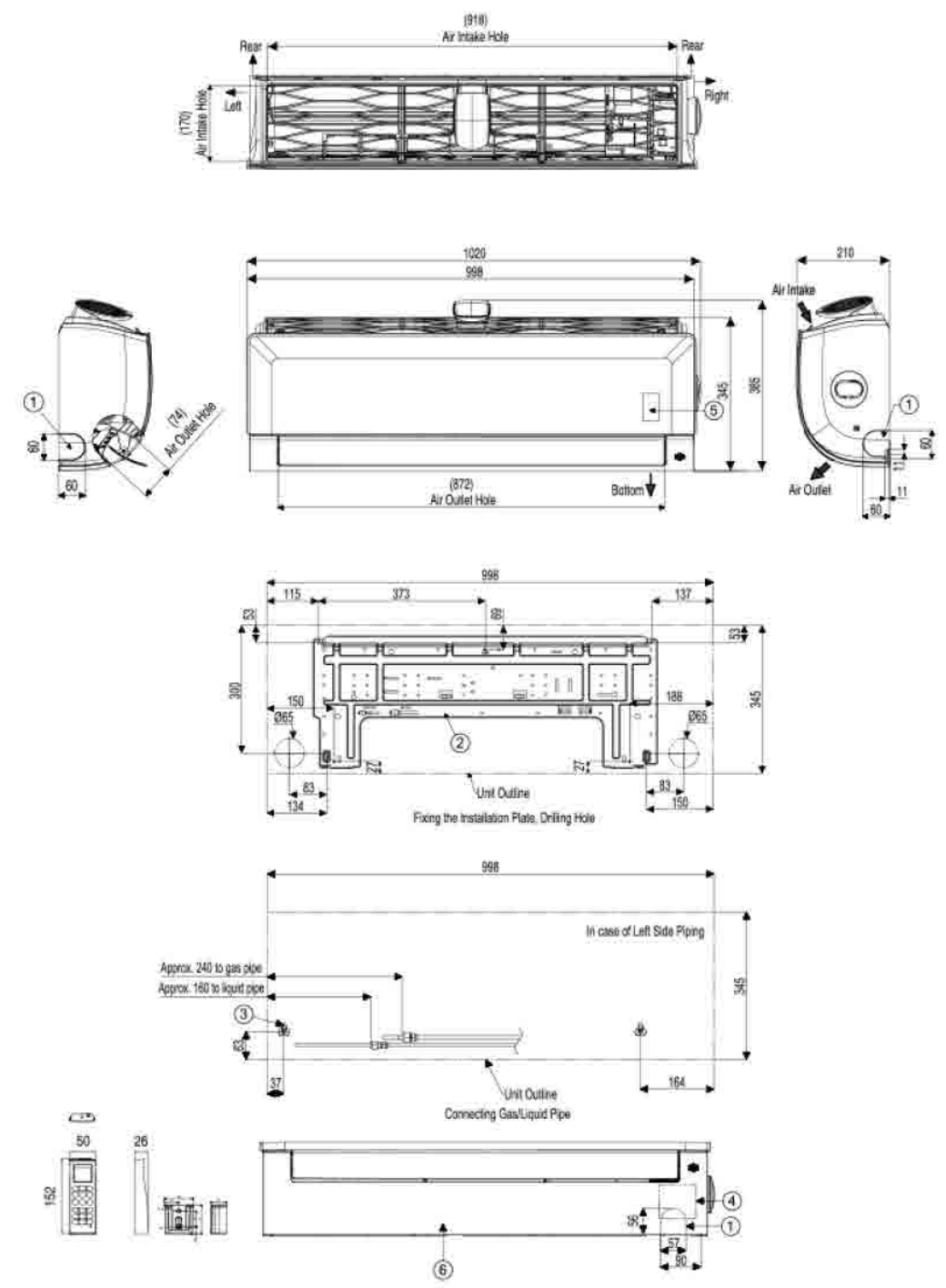
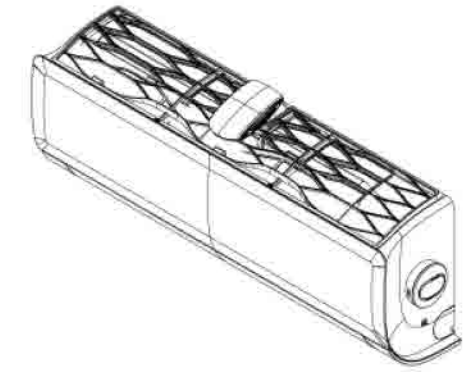
PART NAME	
1	Refrigerant, Drain Pipe and Cable Routing Hole
2	Installation Plate
3	Drain Hose Connection
4	Terminal Block for Power Supply and Communication
5	Display & Remote Controller Signal Receiver
6	Decoration Cover



HSN18APX / HSN24APX

(Unit : mm)

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

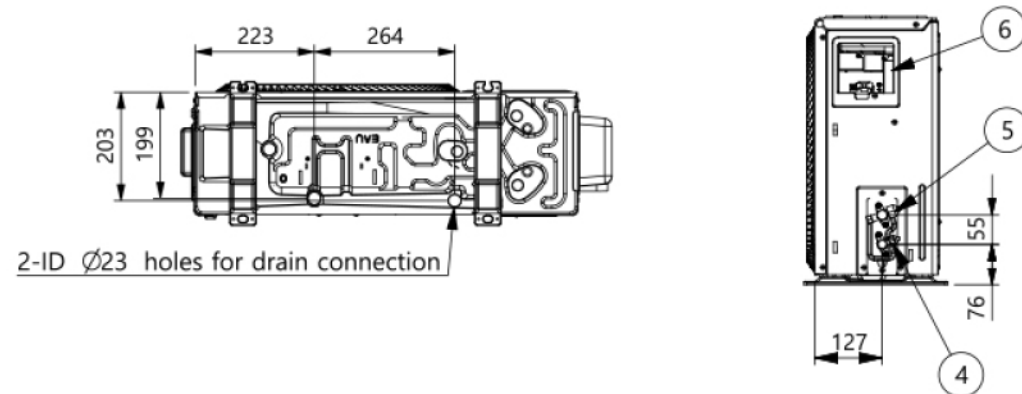
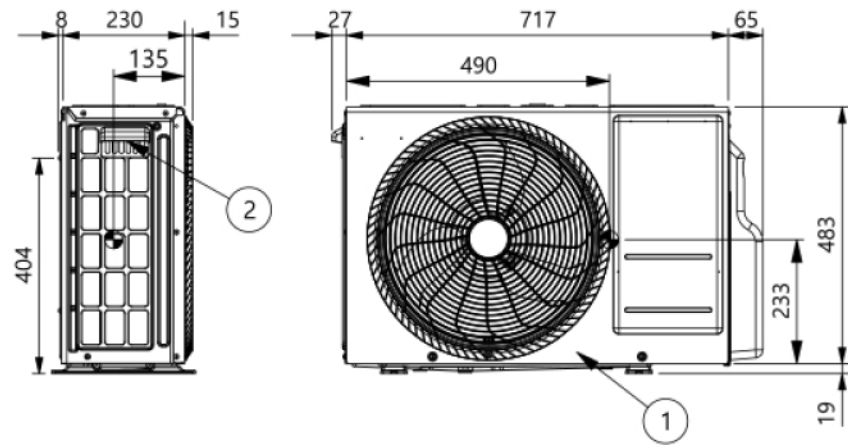
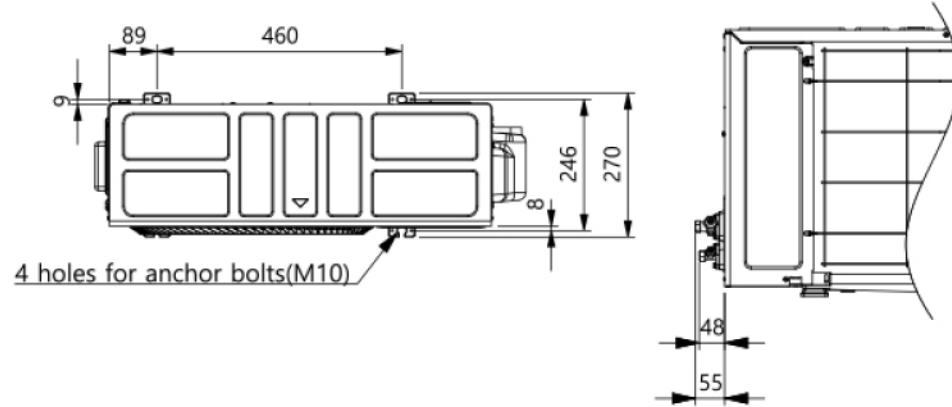
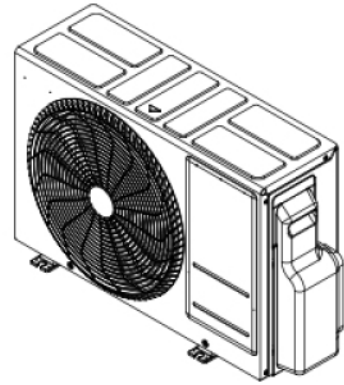




ZUAA1 / HSU09ISU / HSU12ISU / HSU09IPX  
HSU12IPX / HSU09APX / HSU12APX

(Unit: mm)

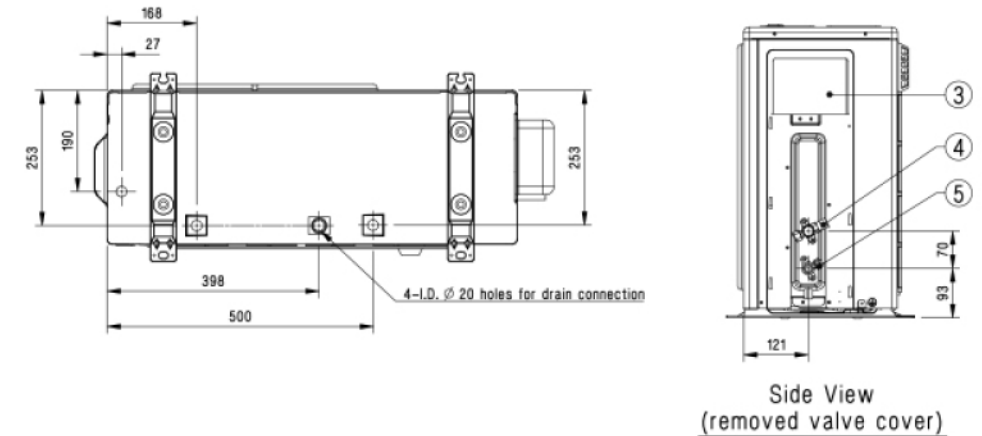
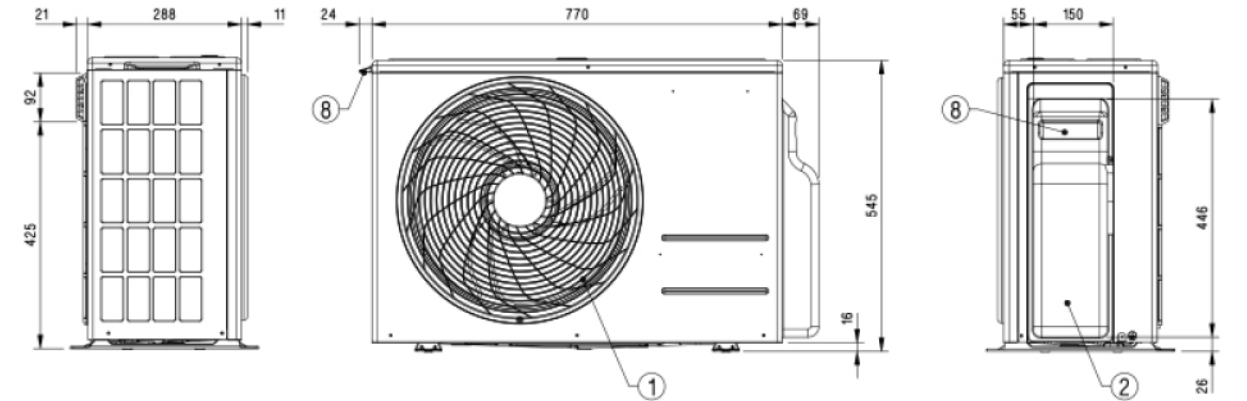
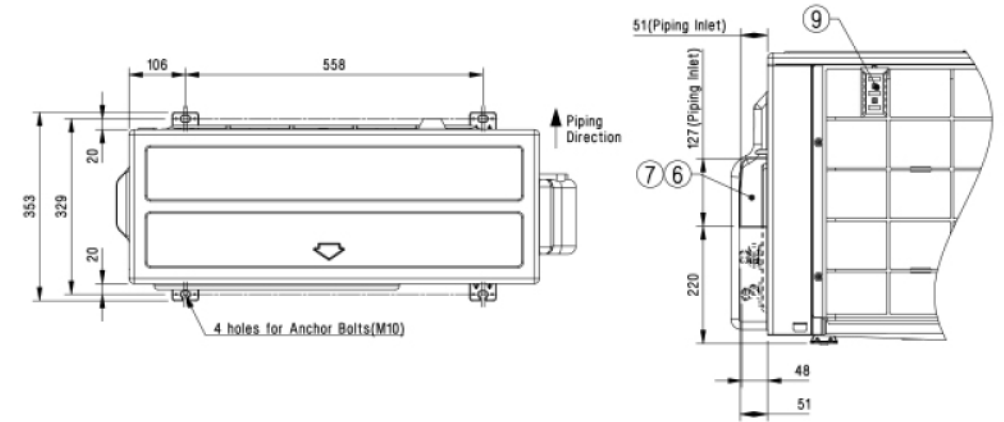
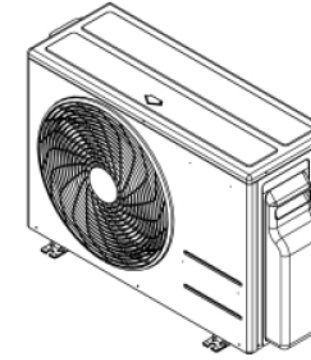
	PART NAME
1	Air Outlet
2	Handle
3	SVC Valve and Control Cover
4	Liquid Pipe Connection
5	Gas Pipe Connection
6	Power and Communication Cable Routing Hole



ZUAB1 / HSU18ISU / HSU18IPX

(Unit: mm)

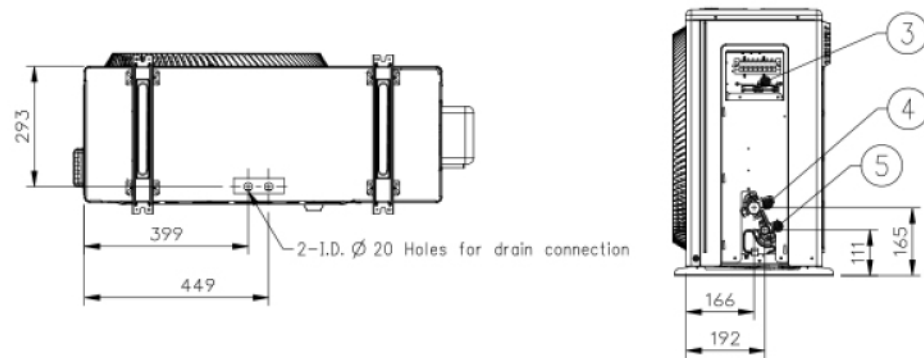
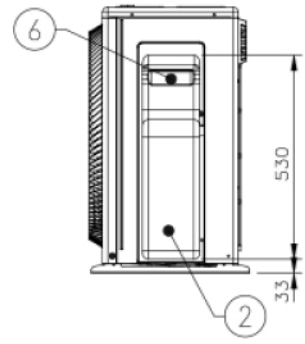
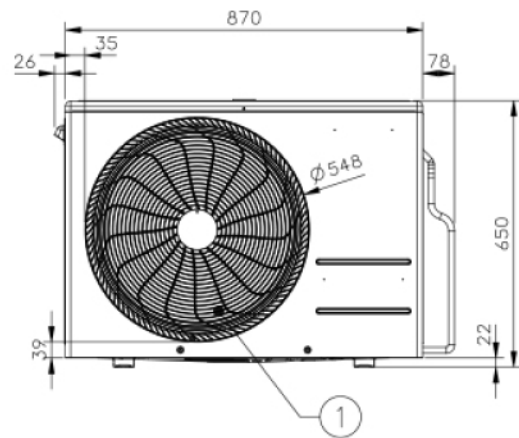
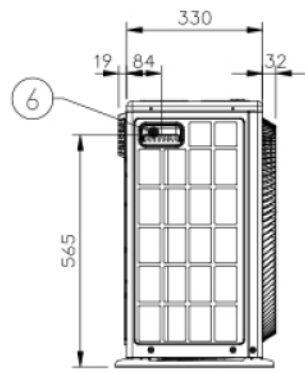
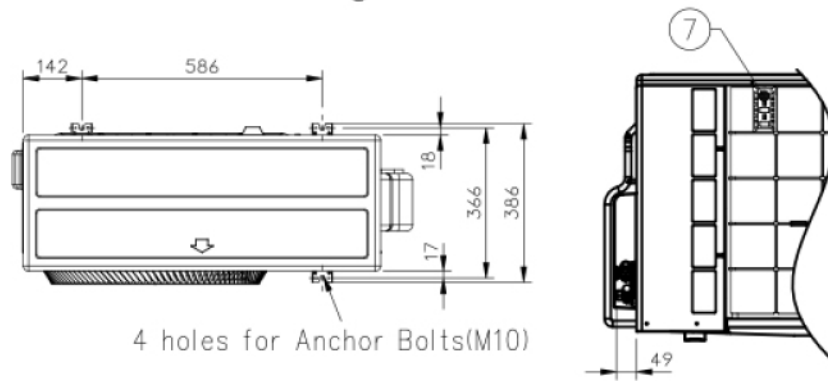
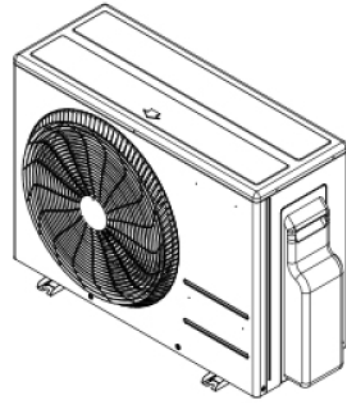
	PART NAME
1	Air Outlet
2	Control Cover & SVC Valve Cover
3	Power and Communication Cable Connection
4	Gas Pipe Connection
5	Liquid Pipe Connection
6	Power and Communication Cable Routing Hole
7	Refrigerant Pipe Routing Hole
8	Handle
9	Intake Air Temperature Sensor Cover



ZUAC1 / HSU24ISU / HSU24IPX / HSU18APX / HSU24APX

(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



Side View  
(removed valve cover)

ZUAD1 / ZUAE1 / HSU30IPC

(Unit : mm)

PART NAME
1 Air Outlet
2 Power and Communication Cable Hole
3 Gas Pipe Connection
4 Liquid Pipe Connection
5 Handle

