

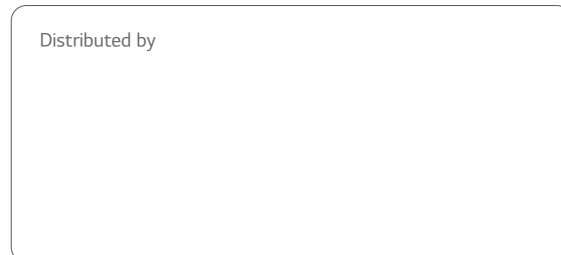
2023 LG Smart Inverter SINGLE COMMERCIAL AIR CONDITIONER F



LG Electronics

<http://www.lg.com>
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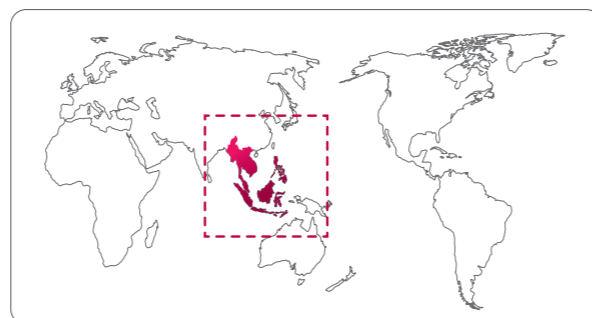


FREE COMBINATION

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.

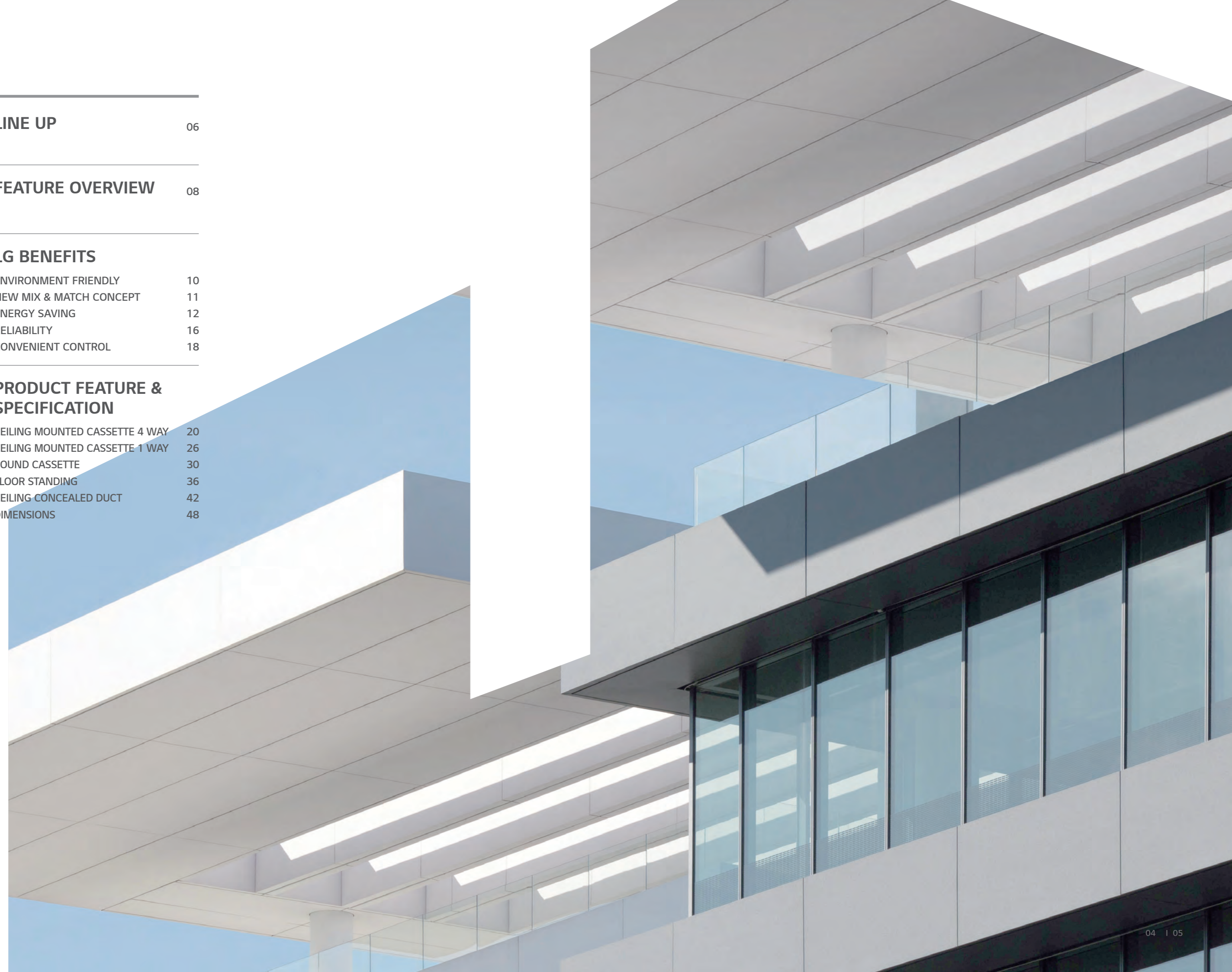
LG produces expert air conditioning professionals at its academic centers, of which there are nearly 80 worldwide. These academic centers provide workshops and training programs that offer excellent hands-on experience. Additionally, LG provides advanced and highly sophisticated tools for HVAC system 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)

STANDARD INVERTER (R32)								
PK	Ceiling Cassette			Floor Standing	Ceiling Concealed Duct		ODU	
	4 Way	1 Way	Round		Low Static	Mid Static	1 Phase	3 Phase
1					 1 Phase		 ZUAA1	
1.5		 1 Phase			 1 Phase		 ZUAA1	
2	 1 Phase	 1 Phase			 1 Phase	 1 Phase	 ZUAB1	
2.5	 1 Phase	 1 Phase		 1 Phase	 1 Phase	 1 Phase	 ZUAC1	
4	 3 Phase		 1 Phase	 3 Phase		 3 Phase	 ZUAD1	 ZUAD3
5	 3 Phase		 1 Phase	 3 Phase		 3 Phase	 ZUAD1	 ZUAD3

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

ENTRY INVERTER (R32)

ENTRY INVERTER (R32)			
PK	Ceiling Cassette	Floor Standing	ODU
	4 Way		1 Phase
2	 1 Phase		 ZUAA1
2.5	 1 Phase		 ZUAB1
3	 1 Phase	 1 Phase	 ZUAC1
4	 1 Phase	 1 Phase	 ZUAC1

※ 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) ZUAD3 (3Ø)
Energy Efficiency	BLDC Comp & Fan Motor	●	●	●	●
	Power Saving Start up	●	●	●	●
	Peak Current Control	X	X	●	●
	Mode Lock	X	X	●	●
Comfort Environment	Comfort Cooling with Humidity sensor*	○	○	○	○
	Night Silent Operation	X	X	●	●
	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)	X	●	●	●
	Moblie 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)
Energy Efficiency	BLDC Comp & Fan Motor	●	●	●
	Power Saving Start up	●	●	●
	Peak Current Control	X	X	●
	Mode Lock	X	X	●
Comfort Environment	Comfort Cooling with Humidity sensor*	○	○	○
	Night Silent Operation	X	X	●
	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)	X	●	●
	Moblie 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

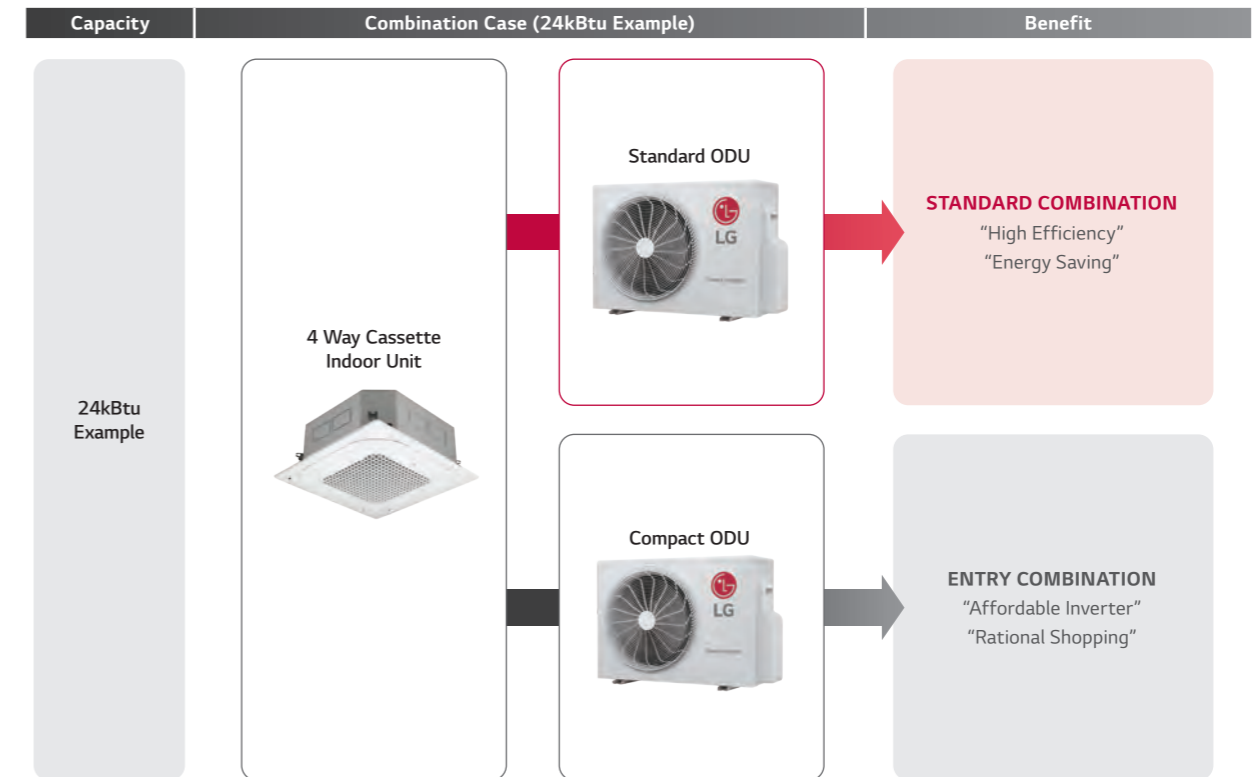
The quantity of R32 refrigerant used is appreciably low as compared to the R410A refrigerant. Consequently, this results in decreasing the potential of Global warming and minimal depletion of the ozone layer. Comparative case studies of the different refrigerants are indicated in the table as below.

	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

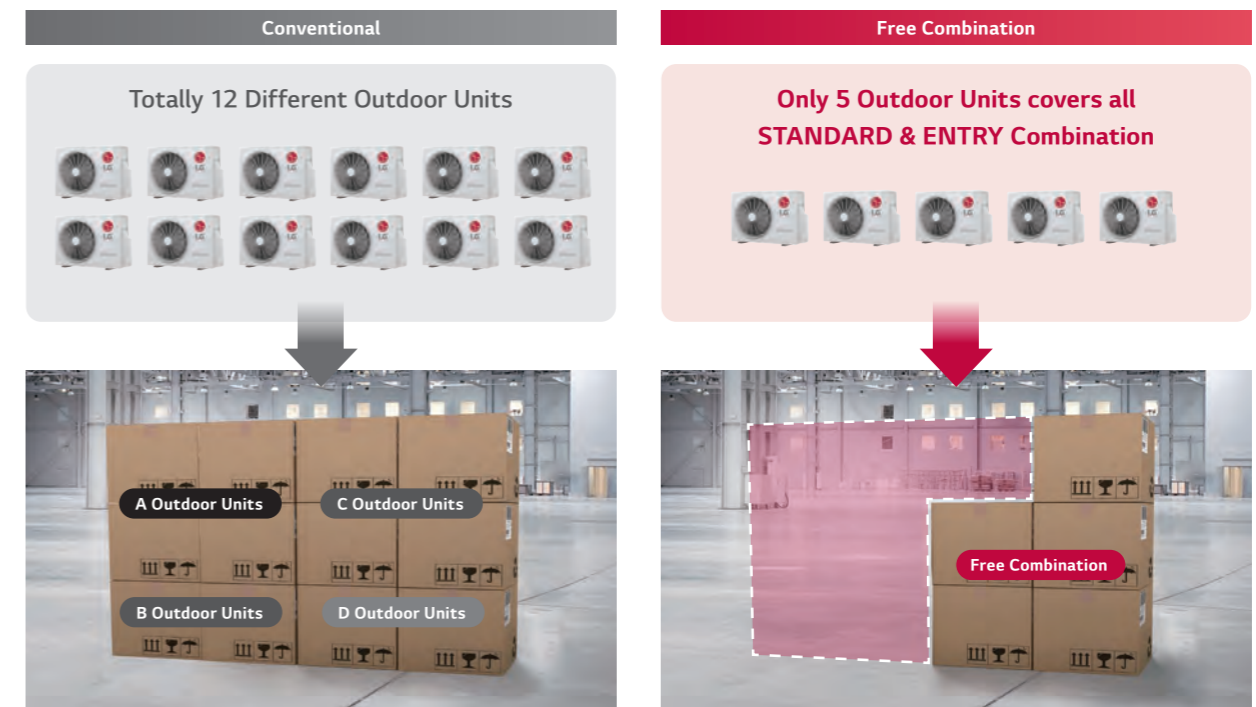
Customers can choose the combination based on their purchase purpose.



※ 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.

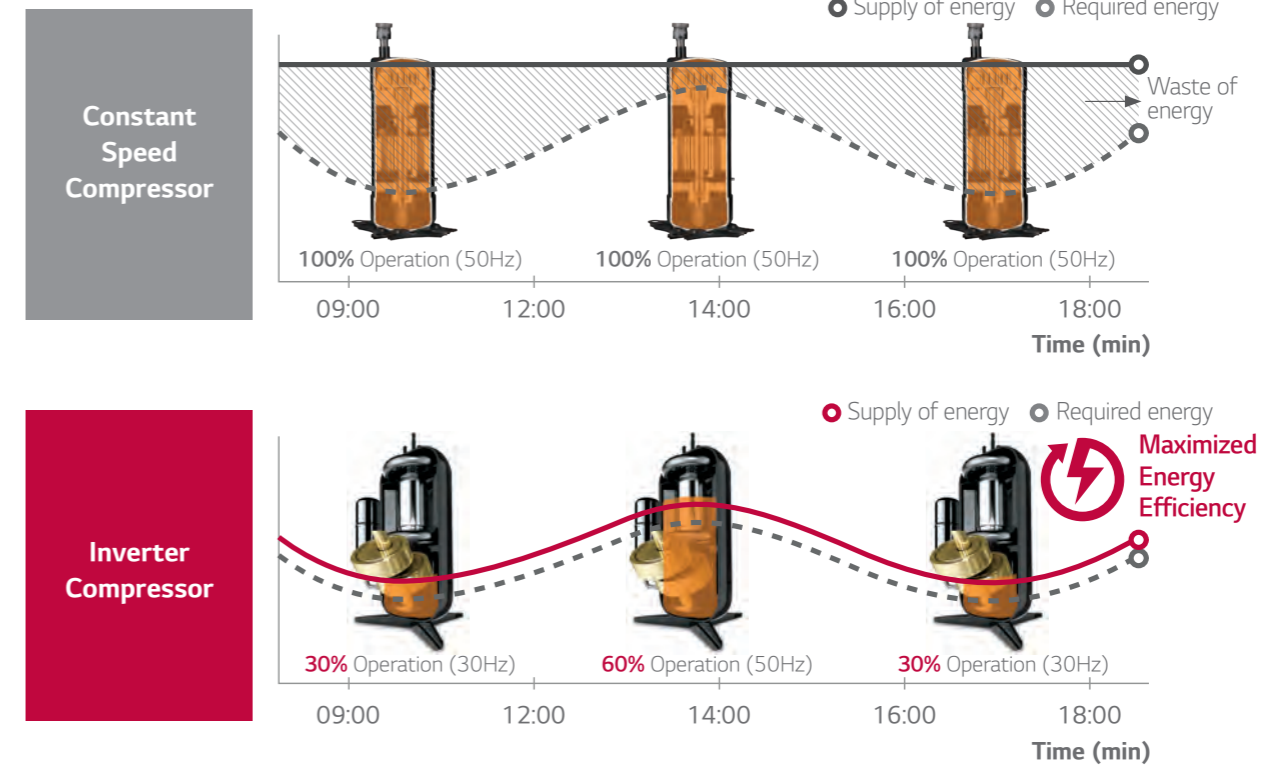
Surface Coating
Surface coating of outstanding abrasion resistance property on vane and crank shaft.

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

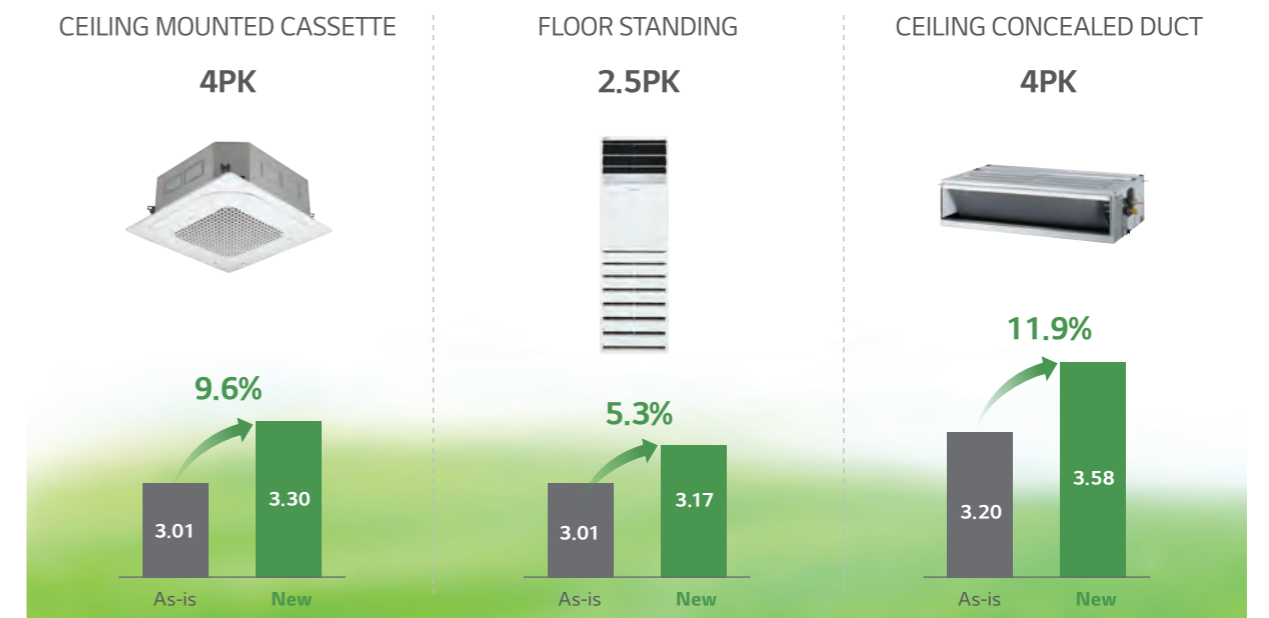
Constant-speed Compressor vs. Inverter Compressor

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

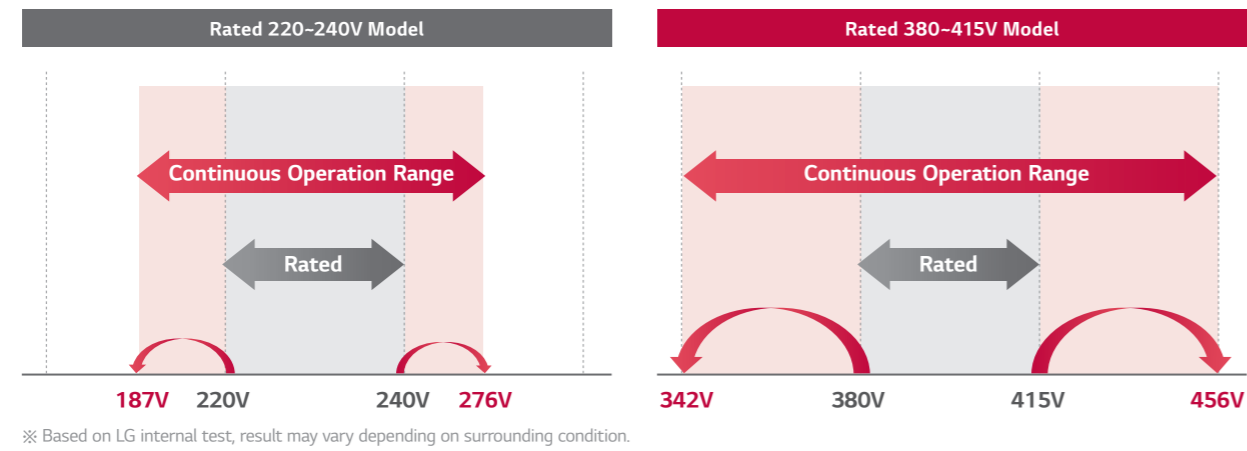
With LG's own cutting-edge inverter technology, high level EER can be achieved.



※ The EER level varies depending on the capacity (kW) of each product
 ※ 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.

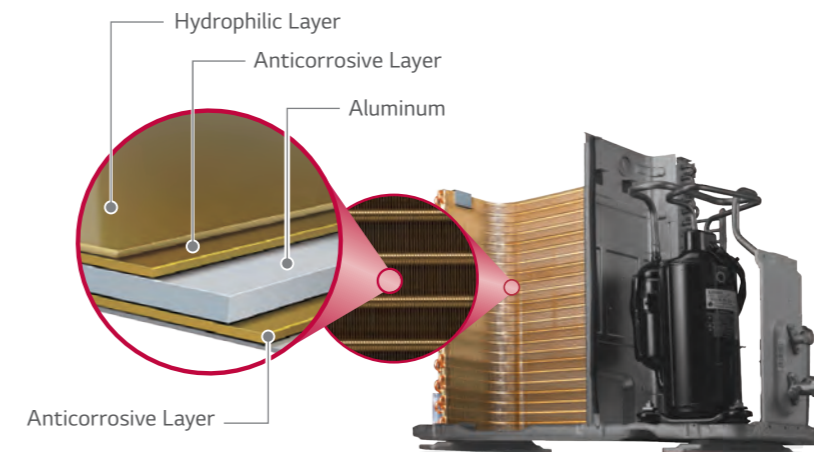
Gold Fin™

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.

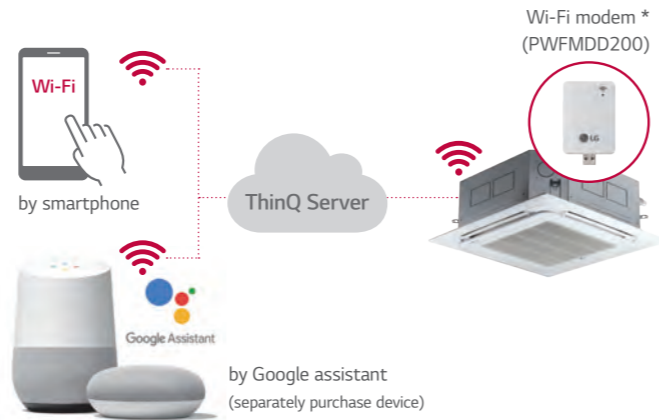
Wi-Fi Remote Control

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

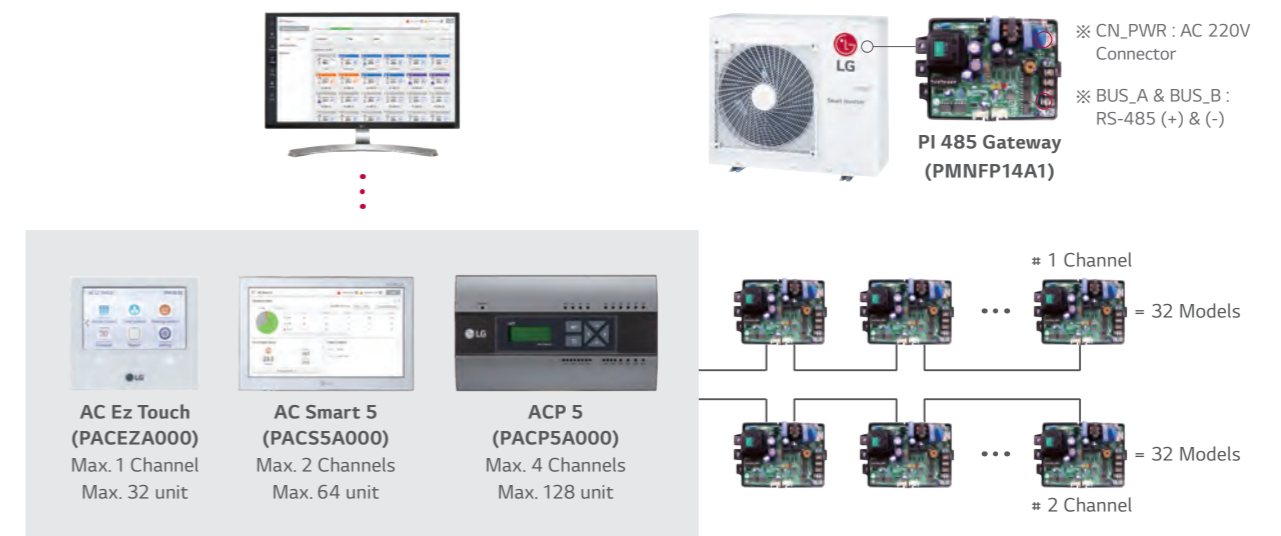
** This functions are used by Google assistant & Amazon Alexa
 ※ In some countries, the use of the Google assistant & Amazon Alexa system may be restricted.

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

※ 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.



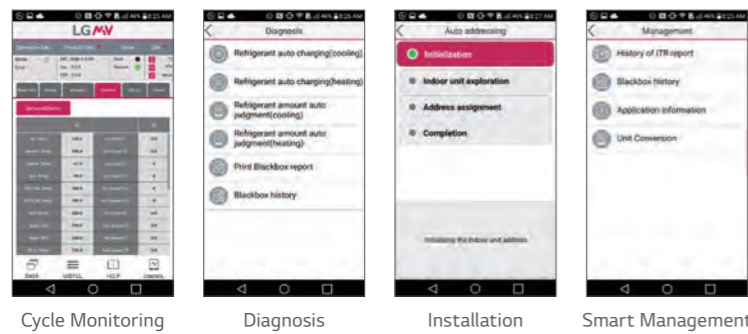
Mobile LGMV

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.

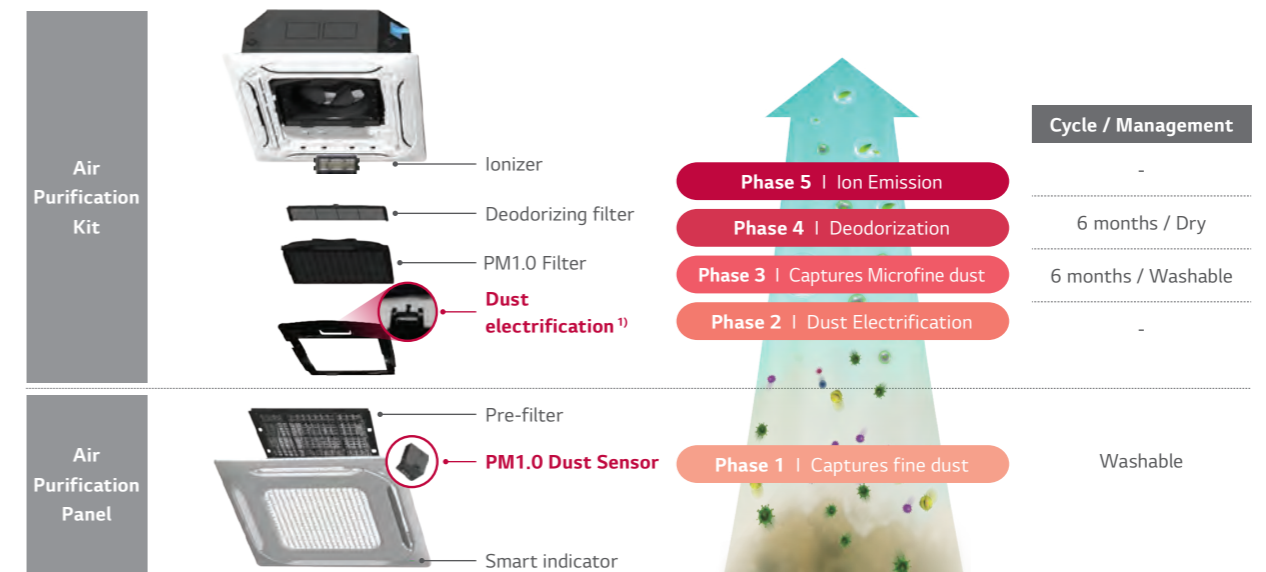
CEILING MOUNTED CASSETTE 4 WAY



CEILING MOUNTED CASSETTE 4 WAY FEATURES

Convenient and Powerful Air Purification

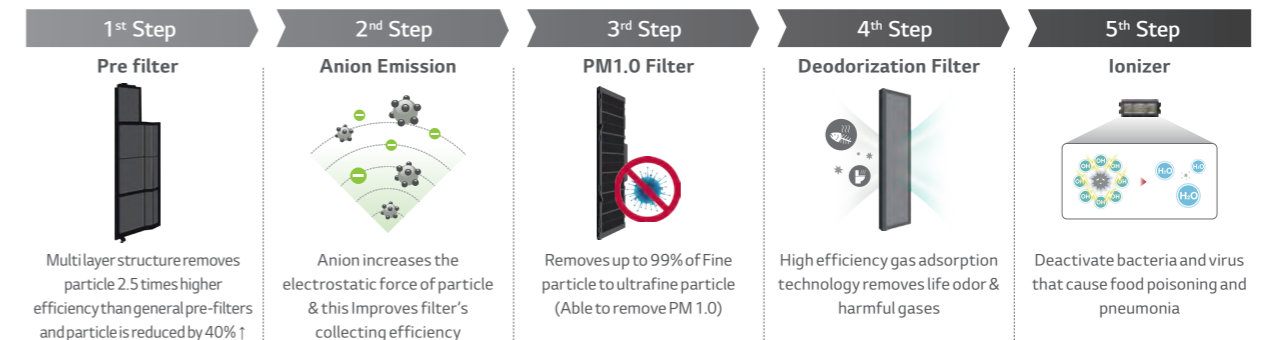
Easy to manage air purifying system with one-touch air cleaning filter.



1) Electrical diffusion makes dust electrification.
* Need optional Air Purification panel (PT-MPGW0) & Air Purification kit (PTAHMP0) & 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.

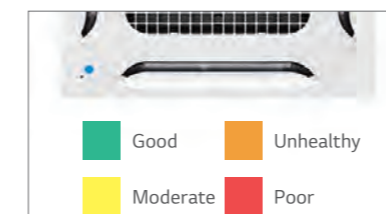


Various Display of Air Purification

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

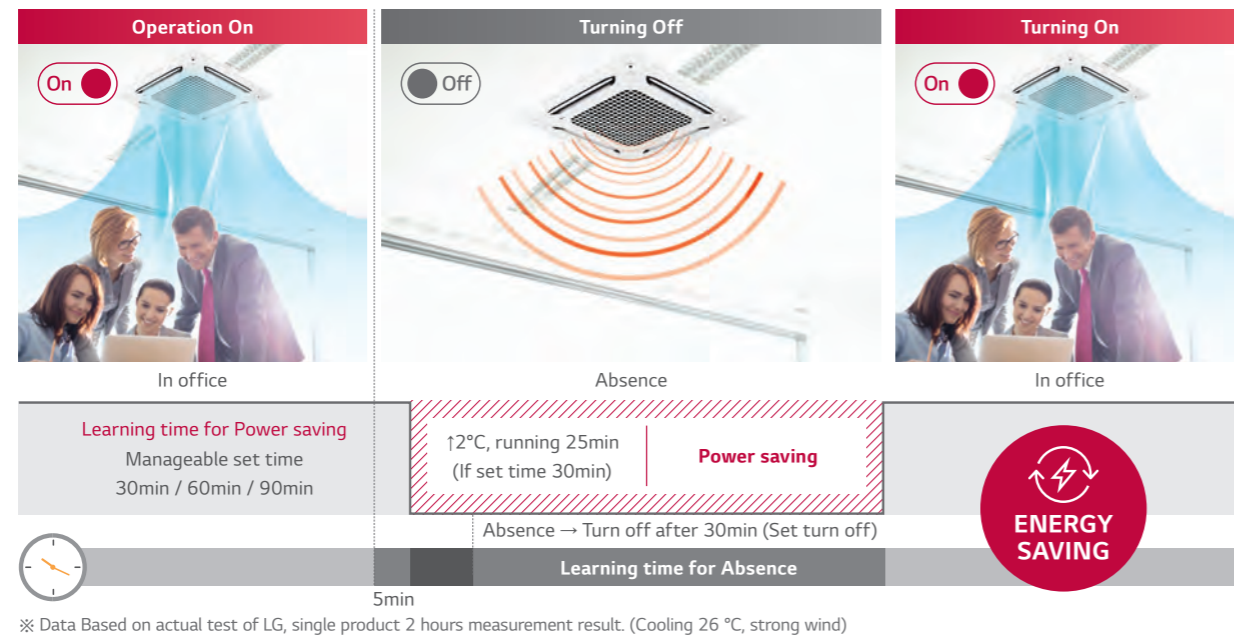
Whenever & Wherever Check and Control Air status



CEILING MOUNTED CASSETTE 4 WAY

Human Detecting On / Off Learning Operation System

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



Human Detection Sensor & Humidity Sensor

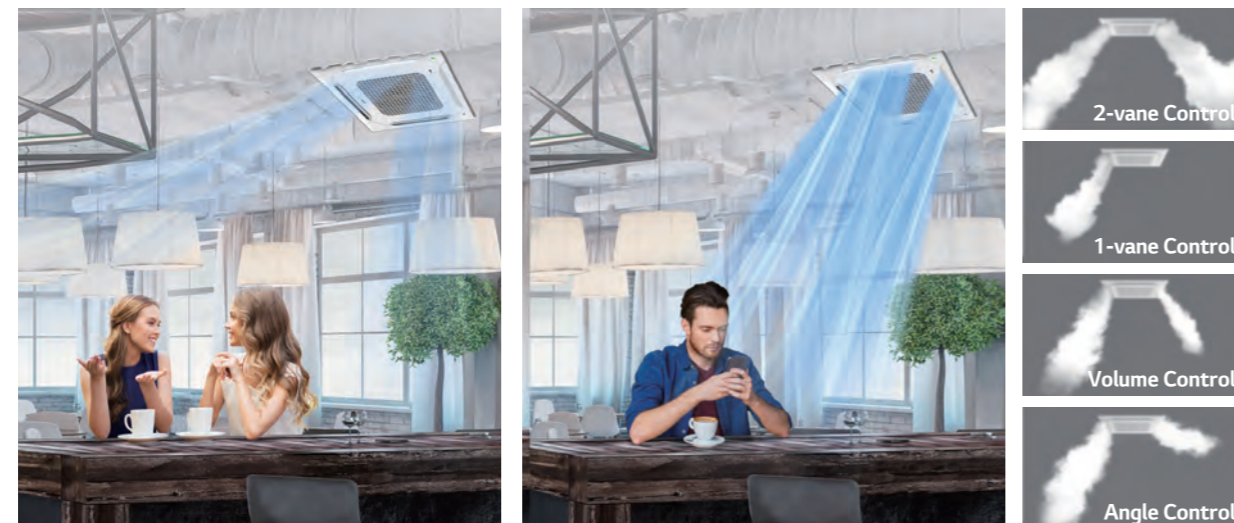


Independent Control of Air Flow

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° .

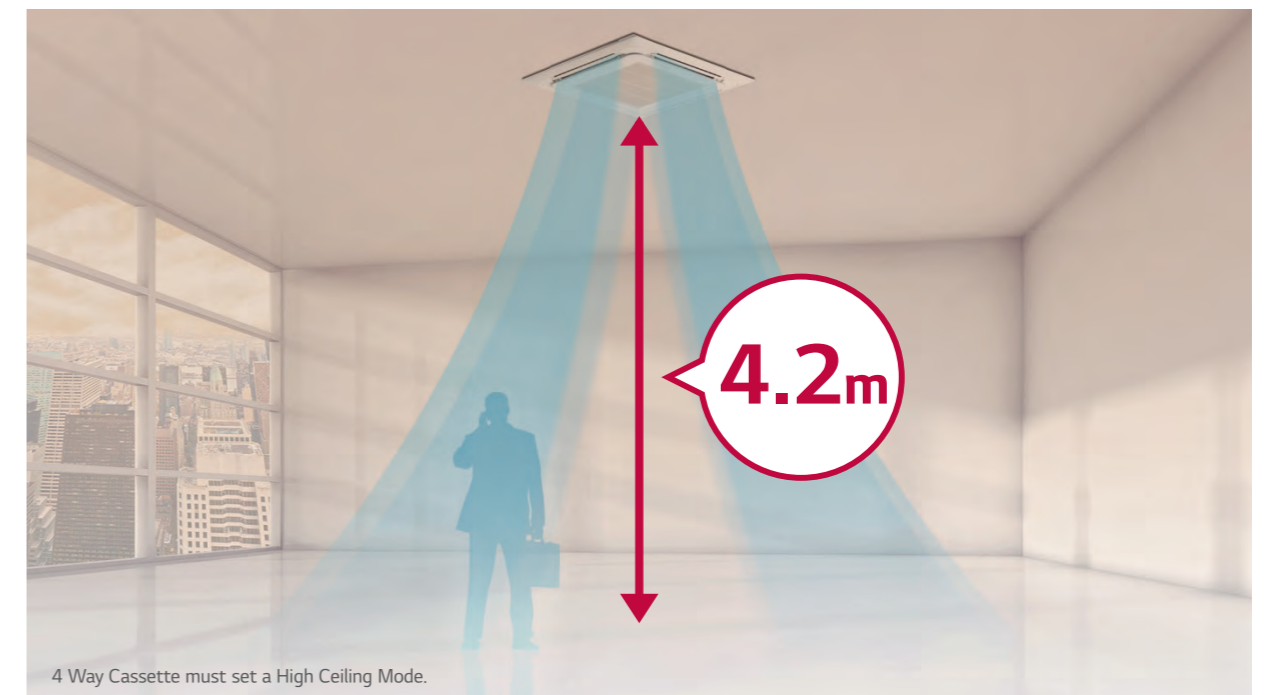
Indirect air flow

Direct air flow



High Ceiling Mode

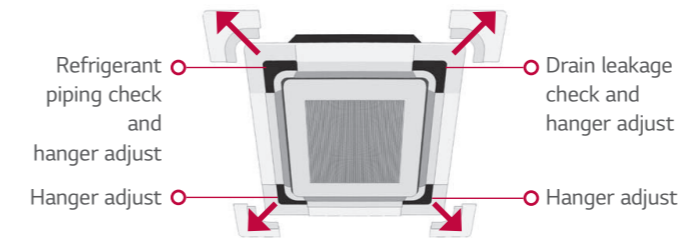
Wind can reach up to 4.2m with plenty air volume. (@ 0.5ms)



Convenient Panel Installation

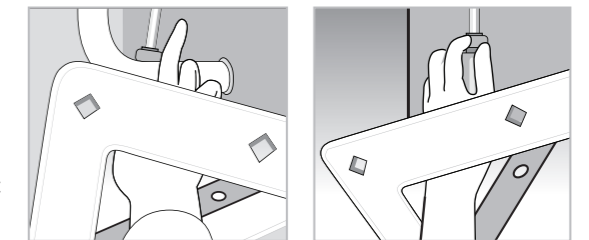
The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe. And it is easy to install the panel to the body, using the button type panel design.

Detachable Corner Design

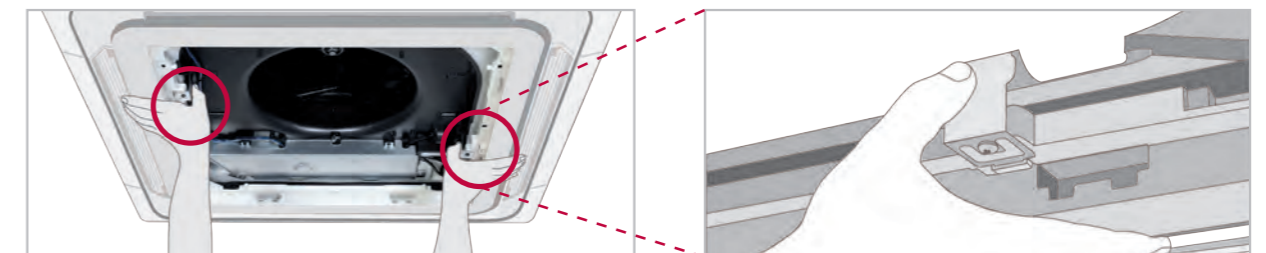


Drain Leakage Check

Hanger Adjust



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



Standard series



SET CONDITION			2PK	2.5PK	4PK	5PK
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	380-415, 3, 50/60	380-415, 3, 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	4.5	6.5
EER	w/w		3.69	3.33	3.30	2.94

INDOOR UNIT				ZTNQ18GPLAO	ZTNQ24GPLAO	ZTNQ36LNLAO	ZTNQ48LMLAO
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		m ³ /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
Piping Connections	Liquid Side	mm(inch)		Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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 (PTAHMPO) & Wired remote (PREMTB100) / All optional

OUTDOOR UNIT				ZUAB1	ZUAC1	ZUAD3	ZUAD3
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	380-415, 3, 50/60	380-415, 3, 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	60.8	60.8
Compressor	Type	-		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Motor Type	-		BLDC	BLDC	BLDC	BLDC
	Motor Output	W x No.		1,500 x 1	1,500 x 1	4,000 x 1	4,000 x 1
Refrigerant	Type	-		R32	R32	R32	R32
	Chargeless-Pipe Length	m		15	15	15	15
	Additional Charging Volume	g/m		15	30	30	30
Fan	Type	-		Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate	m ³ /min x No.		50 x 1	50 x 1	60 x 1	60 x 1
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC
	Output	W x No.		43.0 x 1	85.0 x 1	124.0 x 1	124.0 x 1
Sound Pressure Level	Cooling	Rated	dB(A)	47	53	55	55
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
Piping Length	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			2PK	2.5PK	3PK	4PK
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	18,500 / 17,500 / 5,400	24,200 / 23,000 / 7,200	33,700 / 32,000 / 15,000	37,900 / 36,000 / 10,800
	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
Power Input	Rated	kW	1.75	2.24	3.05	3.72
Running Current	Rated	A	8.0	10.2	13.9	16.9
EER	w/w		2.93	3.01	3.07	2.84

INDOOR UNIT				ZTNQ18GPLE0	ZTNQ24GNLE0	ZTNQ30GNLE0	ZTNQ36GNLE0
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 246 x 840	840 x 246 x 840	840 x 246 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
Weight	Body	kg		19.5	25	25	25
	Shipping	kg		23.5	27.2	27.2	27.2
Fan Type				Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Air Flow Rate	SH / H / M / L		m ³ /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
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC
	Output	W x No.		50.3 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
Piping Connections	Liquid Side	mm(inch)		Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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 (PTAHMPO) & Wired remote (PREMTB100) / All optional

OUTDOOR UNIT				ZUAA1	ZUAB1	ZUAC1	ZUAC1
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	717 x 483 x 230	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330
Net Weight	kg			24.2	30.9	41.5	41.5
Compressor	Type	-		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Motor Type	-		BLDC	BLDC	BLDC	BLDC
	Motor Output	W x No.		900 x 1	1,500 x 1	1,500 x 1	1,500 x 1
Refrigerant	Type	-		R32	R32	R32	R32
	Chargeless-Pipe Length	m		15	15	15	15
	Additional Charging Volume	g/m		15	30	30	30
Fan	Type	-		Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate	m ³ /min x No.		28 x 1	50 x 1	50 x 1	50 x 1
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC
	Output	W x No.		43.0 x 1	43.0 x 1	85.0 x 1	85.0 x 1
Sound Pressure Level	Cooling	Rated	dB(A)	47	47	53	53
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)
Piping Length	Min. / Max.		m	5 / 30	5 / 30	5 / 50	5 / 50
Max Height Difference	Outdoor - Indoor	Max.	m	15	20	30	30

CEILING MOUNTED CASSETTE 1 WAY



Reddot Award Winning Design

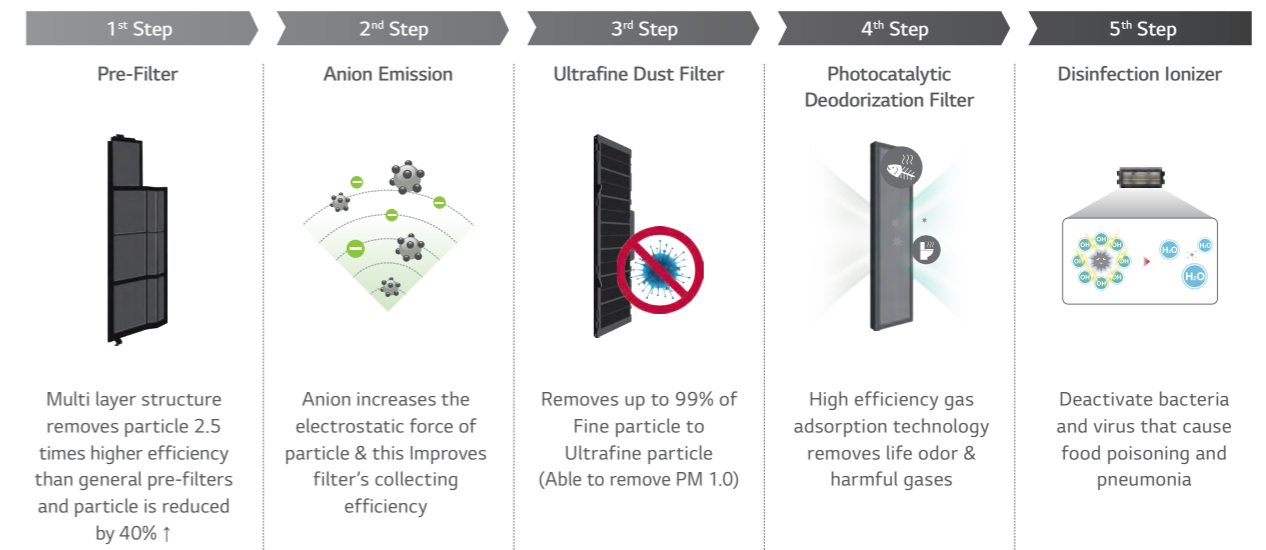
Compact and Round shaped Panel brings excellent fit to ceiling.



CEILING MOUNTED CASSETTE 1 WAY

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.



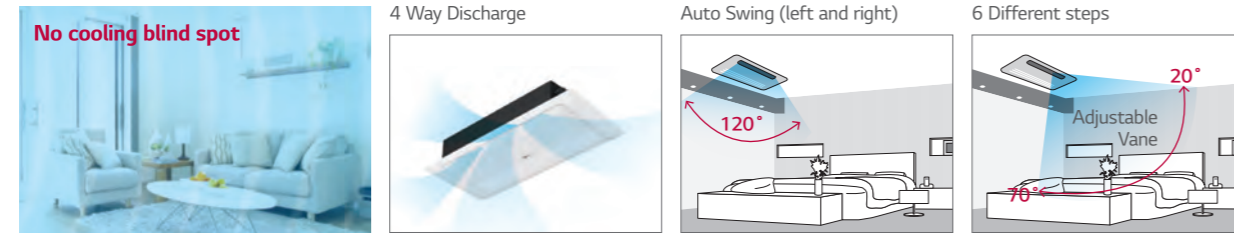
* To use Air purification function, must use applicable Panel (PT-UPHG0 or PT-TPHG0) with Air purification kit (PTAHTP0)

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

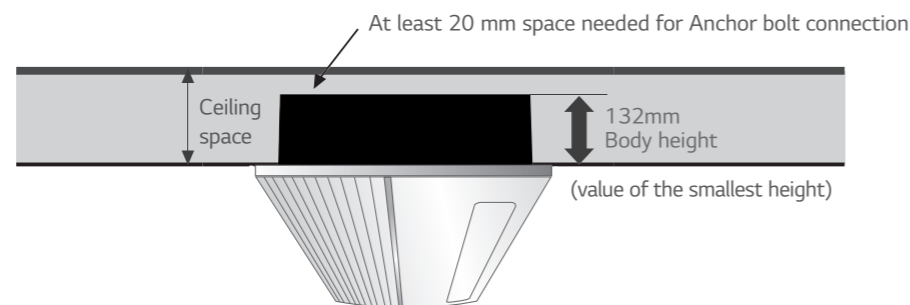
Without blowing directly at people in the room, the space is comfortable!

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			1.5PK	2PK	2.5PK
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	12,290 / 10,500 / 4,680	19,460 / 18,000 / 7,000	25,940 / 22,000 / 6,760
	kW	Max / Rated / Min	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	2.19
Running Current	Rated	A	3.95	7.5	10
EER		w/w	3.54	3.22	2.94

INDOOR UNIT			ZTNQ12GULA0	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	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	1,445 x 252 x 538
Weight	Body	kg	11.7	14.5	14.5
	Shipping	kg	14.4	17.9	17.9
Fan Type			Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Air Flow Rate	SH / H / M / L	m³/min	- / 9.0 / 8.0 / 7.0	- / 16.0 / 14.0 / 12.0	- / 16.0 / 14.0 / 12.0
Fan Motor	Type		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) - / 37 / 36 / 33	- / 46 / 43 / 39	- / 46 / 43 / 39
	Liquid Side	mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm(inch)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
Piping Connections	Drain Pipe (O.D. / I.D.)	mm	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0
Decoration Panel*	Model Name		PT-UAHW0	PT-TAHW0	PT-TAHW0
	Casing Color		Noble White	Noble White	Noble White
	Dimensions	W x H x D	mm 1,100 x 34 x 500	1,420 x 34 x 500	1,420 x 34 x 500
Net Weight		kg (lbs)	3.3	5.5	5.5

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

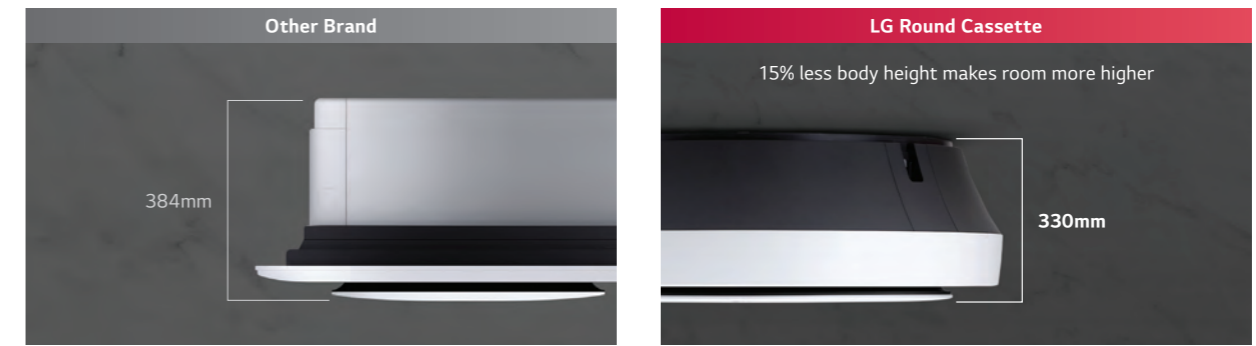
OUTDOOR UNIT			ZUAA1	ZUAB1	ZUAC1
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	W x H x D	mm	717 x 483 x 230	770 x 545 x 288	870 x 650 x 330
Net Weight		kg	24.2	30.9	41.5
	Type		Twin Rotary	Twin Rotary	Twin Rotary
Compressor	Motor Type		BLDC	BLDC	BLDC
	Motor Output	W x No.	900 x 1	1,500 x 1	1,500 x 1
Refrigerant	Type		R32	R32	R32
	Chargeless-Pipe Length	m	15	15	15
	Additional Charging Volume	g/m	15	15	30
Fan	Type		Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate	m³/min x No.	28 x 1	50 x 1	50 x 1
Fan Motor	Type		BLDC	BLDC	BLDC
	Output	W x No.	43.0 x 1	43.0 x 1	85.0 x 1
Sound Pressure Level	Cooling	Rated	dB(A) 47	47	53
	Liquid	Outer Dia.	mm(inch) Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
Piping Connections	Gas	Outer Dia.	mm(inch) Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)
Piping Length	Min. / Max.	m	5 / 30	5 / 30	5 / 50
Max Height Difference	Outdoor - Indoor	Max.	m 15	20	30

ROUND CASSETTE



Slim and Compact Design

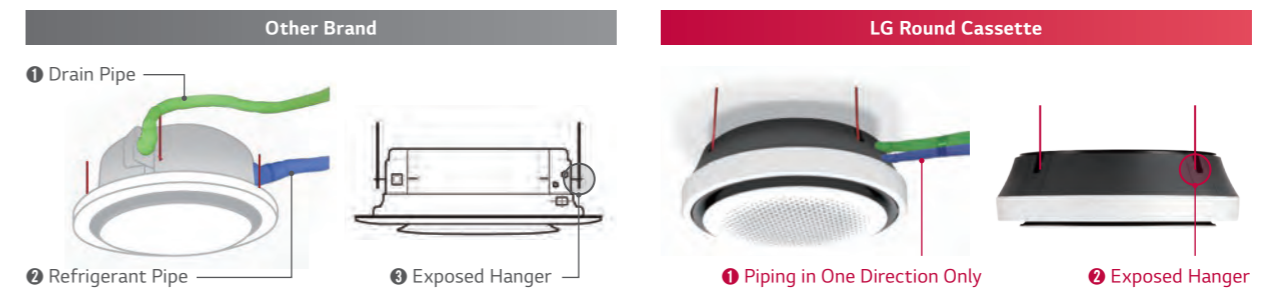
The LG Round Cassette's compact design makes the space look more spacious and secure.



※ Product : 36kBTu / 48kBTu

Minimal Exposure Design

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

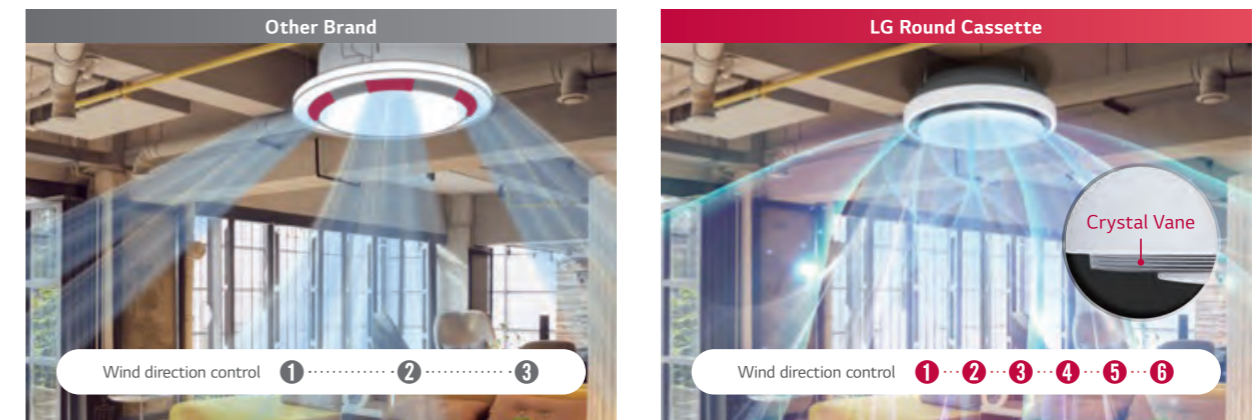


This air conditioning impresses with a sophisticated design and application concept that combines modern technology with a user-friendly operating comfort.

※ 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)

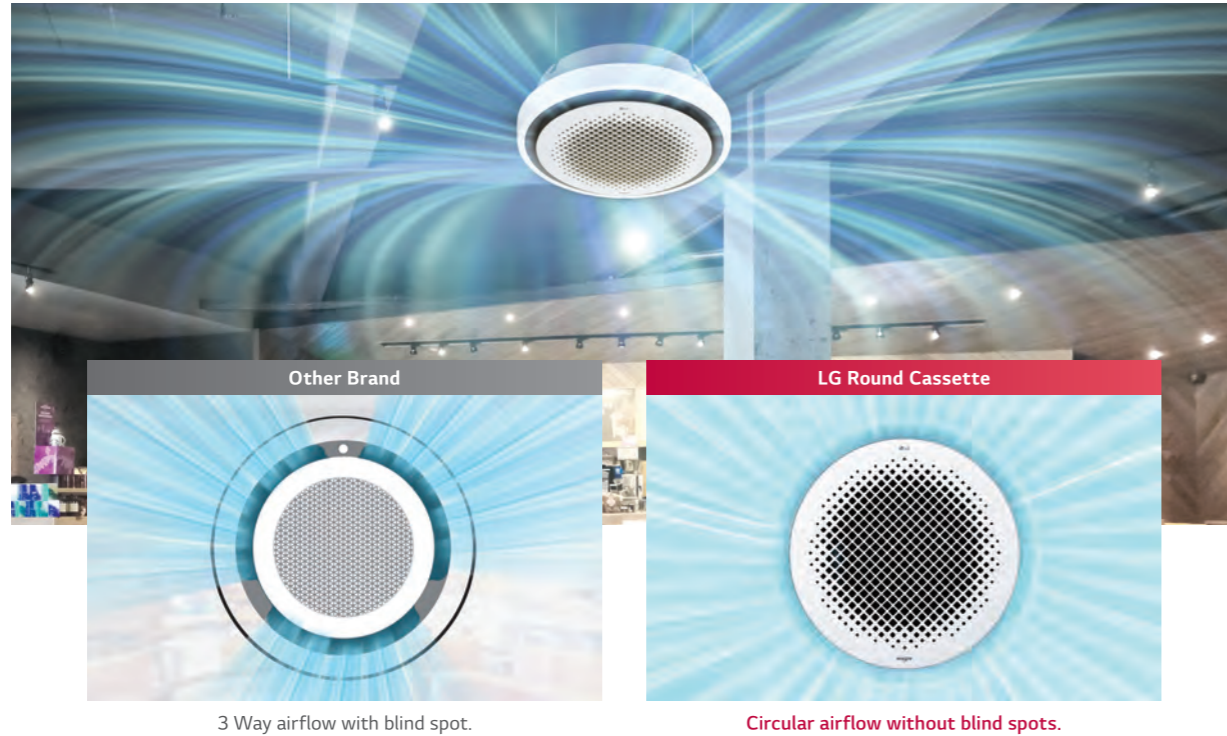
6-Step Vane Control

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.



3 Way airflow with blind spot.

Circular airflow without blind spots.

Quiet Operation

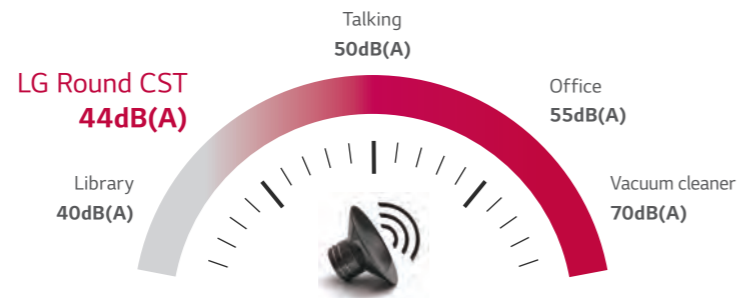
LG Round cassette makes the space quieter.

Sound Pressure



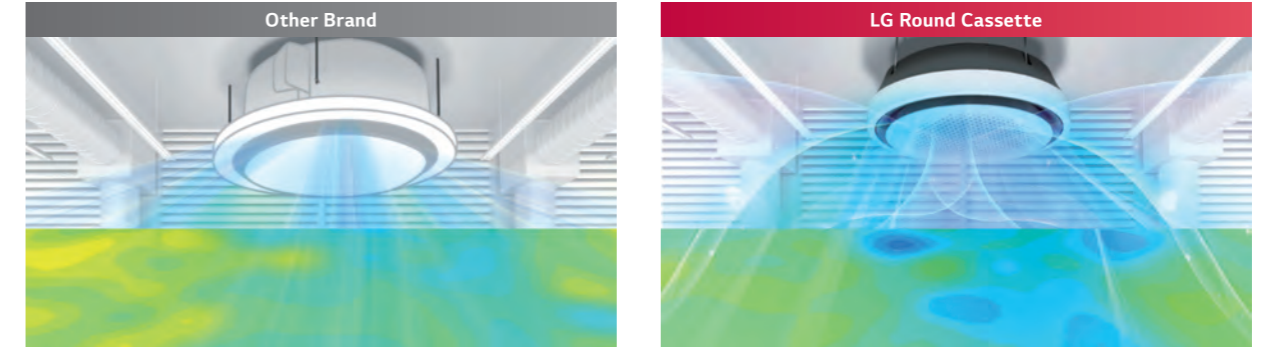
Library
Noise level 40dB(A)

Normal communication
Noise level 50dB(A)



Faster in Cooling

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



Set temperature reach time 18 minutes (Height 1.1m)

Set temperature reach time 12 minutes (Height 1.1m)

※ 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.

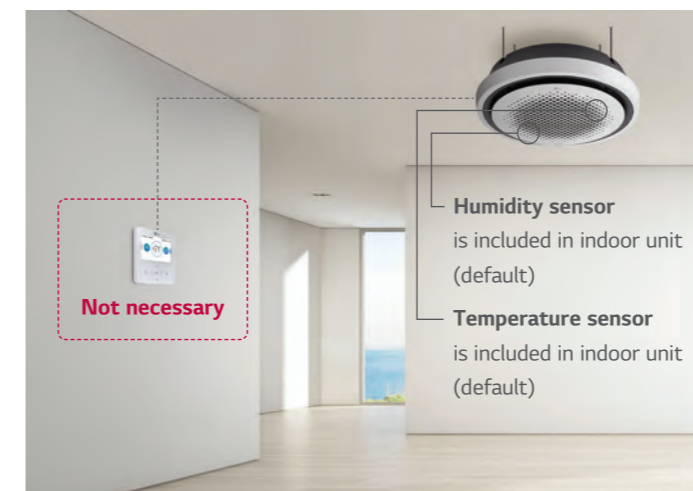


Inconvenient installation
Inside control box / hard to installation

Convenient installation
Outside control box / easy to installation

Embedded Humidity Sensor

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



Humidity sensor is included in indoor unit (default)
Temperature sensor is included in indoor unit (default)

Simple Setting

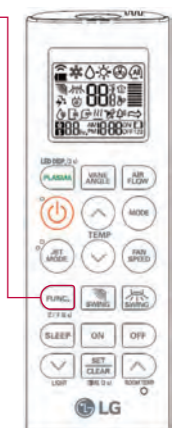
- Press the 'Function' button repeatedly until 'comfort cooling icon' displayed



- Press the 'Set' button



Set Button



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.

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 ³)	0 - 54	55 - 154	155 - 254	255 -
PM2.5 (µg/m ³)	0 - 12	13 - 35	36 - 55	56 -
PM1.0 (µg/m ³)	0 - 12	13 - 35	36 - 55	56 -

Standard series



SET CONDITION			4PK	5PK
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

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	30.0	30.0	
	Shipping	kg	38.6	38.6	
Fan Type			3D Turbo Fan	3D Turbo Fan	
Air Flow Rate		SH / H / M / L	m ³ /min	- / 25.0 / 21.0 / 19.0	- / 25.0 / 21.0 / 19.0
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	- / 44 / 40 / 38
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
Compressor	Type			Twin Rotary	Twin Rotary
	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 ³ /min x No.		60 X 1	60 X 1
Fan Motor	Type			BLDC	BLDC
	Output	W x No.		124.0 X 1	124.0 X 1
Sound Pressure Level	Cooling	Rated	dB(A)	55	55
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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

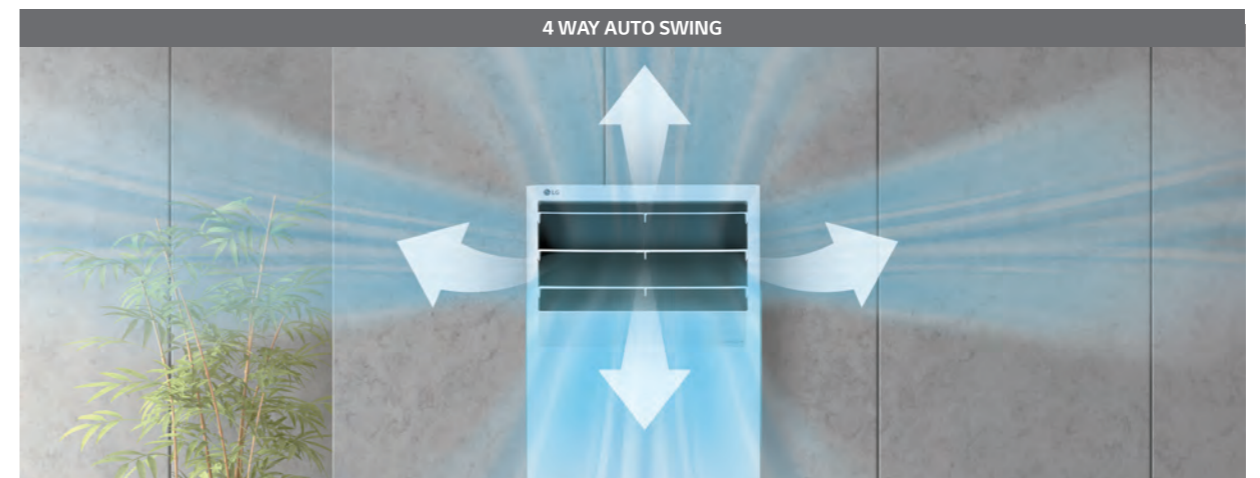
The new LG floor standing air conditioner is ideal for modern interiors in your office or restaurant.



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.

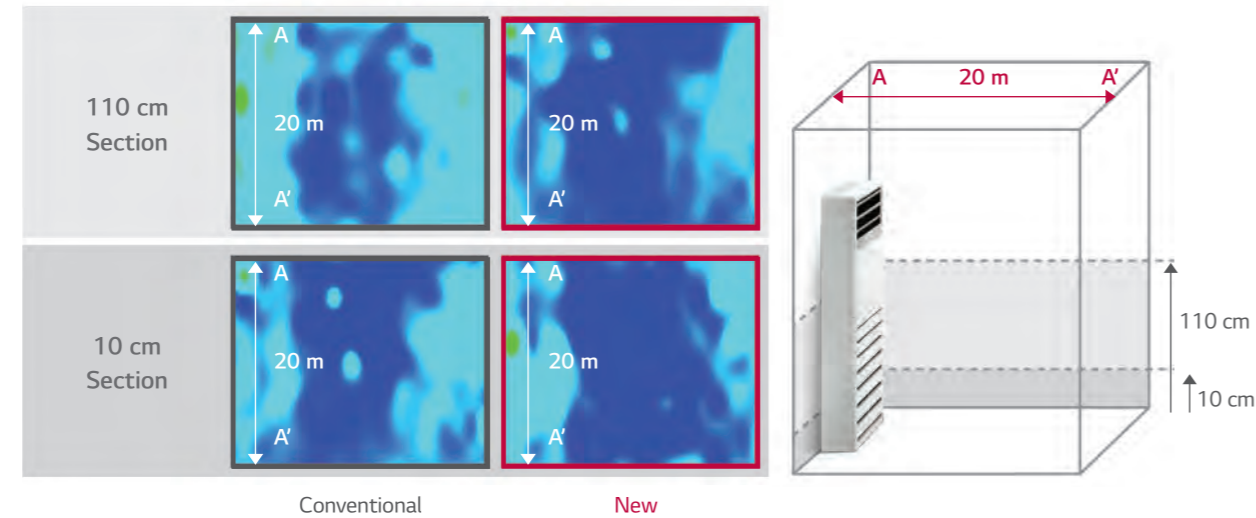
Easy Power Cooling Mode



Power Cooling Mode for Floor Standing
In power cooling mode, desired temperature is set to 18°C and the horizontal louver is fixed at the highest position.

※ 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			2.5PK	4PK	5PK
Power Supply	V, Ø, Hz		220-240, 1, 50/60	380-415, 3, 50/60	380-415, 3, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	27,000 / 24,000 / 7,200	40,000 / 36,000 / 10,800	48,950 / 46,500 / 13,800
	kW	Max / Rated / Min	7.91 / 7.03 / 2.11	11.71 / 10.54 / 3.15	14.33 / 13.61 / 4.05
Power Input	Rated	kW	2.22	3.51	4.81
Running Current	Rated	A	10.1	4.9	6.7
EER		w/w	3.17	3.01	2.83

INDOOR UNIT			ZPNQ24GS1A0	ZPNQ36LR5A0	ZPNQ48LT3A0	
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	530 x 1,800 x 295	590 x 1,840 x 300	590 x 1,840 x 440
	Shipping	W x H x D	mm	596 x 1,853 x 383	680 x 1,925 x 395	681 x 1,927 x 521
Weight	Body		kg	25.3	36	49
	Shipping		kg	31.6	43	57
Fan Type			Turbo Fan	Turbo Fan	Sirocco	
Air Flow Rate	SH / H / M / L	m ³ /min	15.0 / 12.0 / - / 10.0	23.5 / 19.0 / 17.0 / 14.0	37.0 / 33.0 / 28.0 / 24.0	
Fan Motor	Type		BLDC	BLDC	BLDC	
	Output	W x No.	104 x 1	104 x 1	224 x 1	
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	45 / 43 / - / 41	52 / 47 / 44 / 41	- / 51 / 49 / 47
	Liquid Side		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side		mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
Piping Connections	Drain Pipe	(O.D. / I.D.)	mm	Ø20, Ø17 / Ø12.2	Ø20, Ø17 / Ø12.2	Ø20, Ø17 / Ø12.2

OUTDOOR UNIT			ZUAC1	ZUAD3	ZUAD3	
Power Supply	V, Ø, Hz		220-240, 1, 50/60	380-415, 3, 50/60	380-415, 3, 50/60	
Dimensions	W x H x D	mm	870 x 650 x 330	950 x 834 x 330	950 x 834 x 330	
Net Weight		kg	41.5	60.8	60.8	
Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary	
	Motor Type		BLDC	BLDC	BLDC	
Refrigerant	Motor Output	W x No.	1,500 x 1	4,000 x 1	4,000 x 1	
	Type		R32	R32	R32	
	Chargeless-Pipe Length	m	15	15	15	
Fan	Additional Charging Volume	g/m	30	30	30	
	Type		Axial Fan	Axial Fan	Axial Fan	
Fan Motor	Air Flow Rate	m ³ /min x No.	50 x 1	60 x 1	60 x 1	
	Type		BLDC	BLDC	BLDC	
Sound Pressure Level	Output	W x No.	85.0 x 1	124.0 x 1	124.0 x 1	
	Cooling	Rated	dB(A)	53	55	55
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)	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

Standard series



10PK R410A 15PK, 20PK R410A

SET CONDITION				10PK	15PK	20PK
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	Max / Rated / Min		- / 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			2.50	2.91	2.79

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	-	-	-	
Weight	Body	kg		103	237	237	
	Shipping	kg		-	-	-	
Fan Type				Sirocco	Sirocco	Sirocco	
Air Flow Rate	SH / H / M / L		m ³ /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	Ø21.0 / Ø17.0	Ø21.0 / Ø17.0	

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			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	m ³ /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



SET CONDITION				3PK	4PK
Power Supply	V, Ø, Hz			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
	kW	Max / Rated / Min		9.26 / 8.79 / 2.46	11.1 / 10.54 / 3.15
Power Input	Rated	kW		2.95	3.7
Running Current	Rated	A		13.4	16.8
EER	w/w			2.98	2.85

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

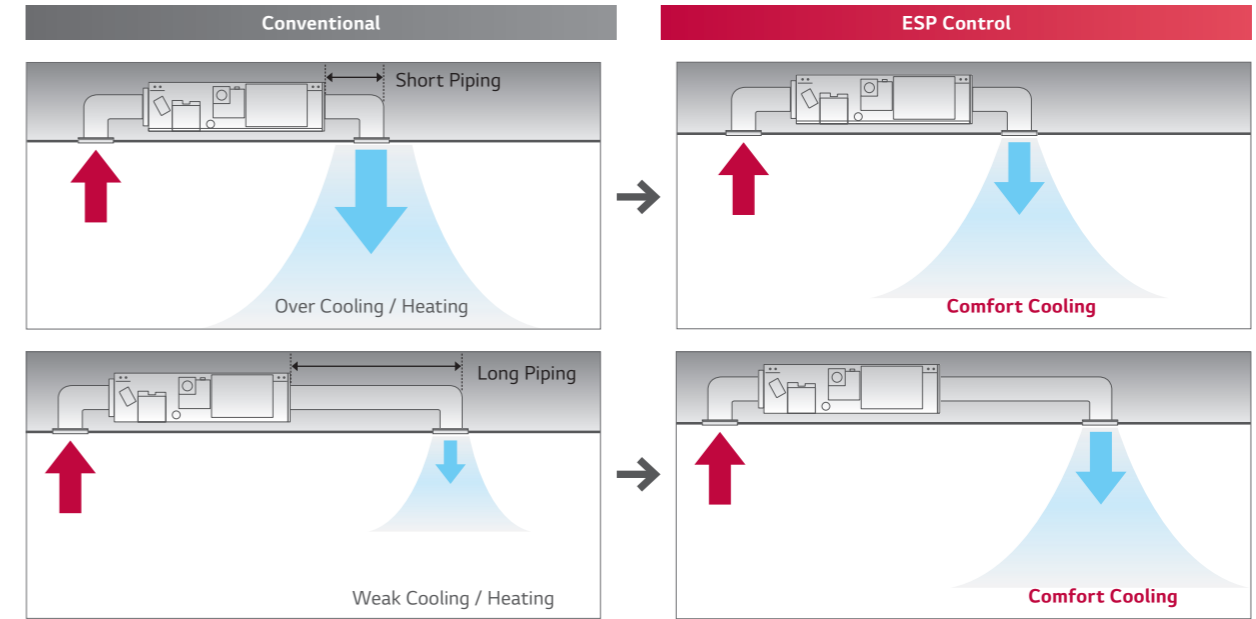
OUTDOOR UNIT				ZUAC1	ZUAC1	
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	
Dimensions	W x H x D		mm	870 x 650 x 330	870 x 650 x 330	
Net Weight			kg	41.5	41.5	
Compressor	Type			Twin Rotary	Twin Rotary	
	Motor Type			BLDC	BLDC	
	Motor Output	W x No.		1,500 x 1	1,500 x 1	
Refrigerant	Type			R32	R32	
	Chargeless-Pipe Length	m		15	15	
	Additional Charging Volume	g/m		30	30	
Fan	Type			Axial Fan	Axial Fan	
	Air Flow Rate	m ³ /min x No.		50 x 1	50 x 1	
Fan Motor	Type			BLDC	BLDC	
	Output	W x No.		85.0 x 1	85.0 x 1	
Sound Pressure Level	Cooling	Rated	dB(A)	53	53	
		Liquid	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping 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

CEILING CONCEALED DUCT



External Static Pressure (ESP) Control

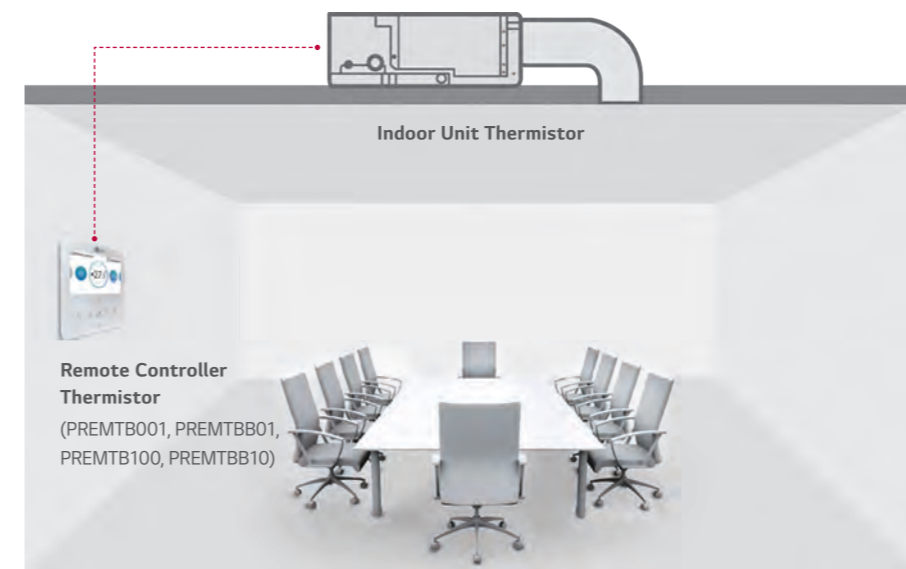
User has easy access to air volume selection via remote controller using the ESP control function. The BLDC motor can control fan speed and air volume. No additional accessories are necessary to control air flow.



CEILING CONCEALED DUCT

Two Thermistors Control

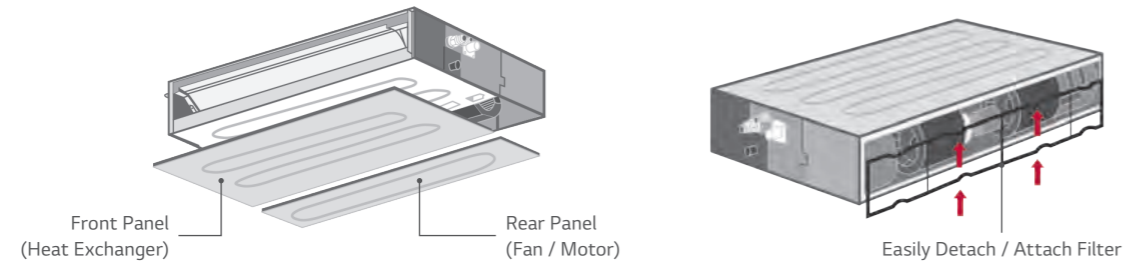
The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.



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

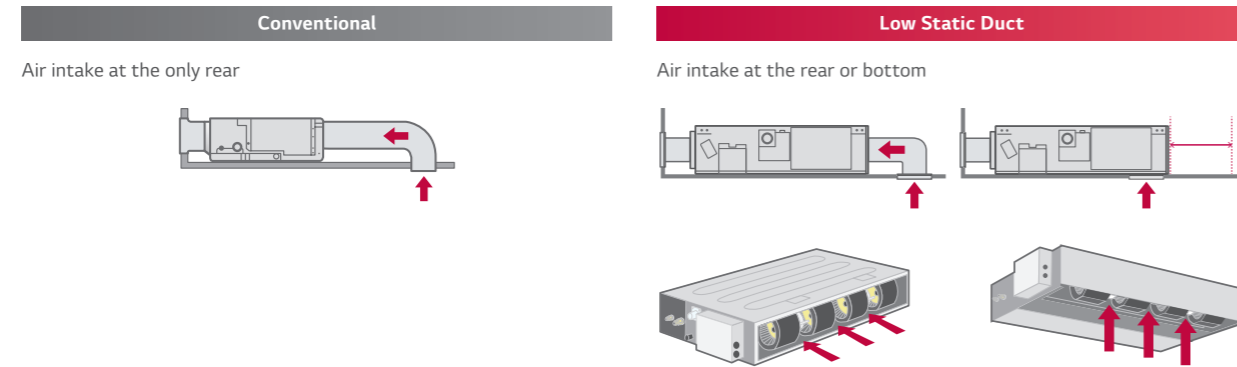
Easy Service & Maintenance

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

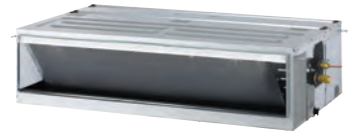


SET CONDITION			1PK	1.5PK	2PK	2.5PK
Power Supply	V, Ø, Hz		220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Cooling Capacity	Btu/h	Max / Rated / Min	10,900 / 9,000 / 4,260	13,200 / 12,000 / 4,960	20,500 / 18,000 / 4,800	27,000 / 24,000 / 6,480
	kW	Max / Rated / Min	3.19 / 2.64 / 1.25	3.87 / 3.51 / 1.45	6.01 / 5.27 / 1.4	7.91 / 7.03 / 1.9
Power Input	Rated	kW	0.75	1.03	1.64	2.07
Running Current	Rated	A	3.41	4.68	7.5	9.4
EER		w/w	3.52	3.41	3.22	3.40

INDOOR UNIT				ZBNQ09GL1A0	ZBNQ12GL2A0	ZBNQ18GL2A0	ZBNQ24GL3A0	
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	700 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700	
	Shipping	W x H x D	mm	862 x 255 x 781	1,062 x 255 x 781	1,062 x 255 x 781	1,262 x 255 x 781	
Weight	Body		kg	17.5	23.0	23.0	27.0	
	Shipping		kg	20.5	28.0	28.0	31.0	
Fan Type				Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	
Air Flow Rate	SH / H / M / L		m ³ /min	- / 9.0 / 7.0 / 5.5	- / 10.0 / 8.5 / 7.0	- / 15.0 / 12.5 / 10.0	- / 20.0 / 16.0 / 12.0	
External Static Pressure			Pa	20	20	40	40	
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC	
	Output		W x No.	19 x 1	19 + 5 x 1 + 1	19 + 5 x 1 + 1	19 x 2	
Sound Pressure Level	Cooling	SH / H / M / L		dB(A)	- / 30 / 26 / 23	- / 31 / 28 / 27	- / 36 / 34 / 31	- / 39 / 35 / 32
		Liquid Side		mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
Piping Connections	Gas Side		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)	
	Drain Pipe	(O.D. / I.D.)	mm	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0	

OUTDOOR UNIT				ZUAA1	ZUAA1	ZUAB1	ZUAC1
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	717 x 483 x 230	717 x 483 x 230	770 x 545 x 288	870 x 650 x 330
Net Weight			kg	24.2	24.2	30.9	41.5
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Motor Type		-	BLDC	BLDC	BLDC	BLDC
	Motor Output		W x No.	900 x 1	900 x 1	1,500 x 1	1,500 x 1
Refrigerant	Type		-	R32	R32	R32	R32
	Chargeless-Pipe Length		m	15	15	15	15
	Additional Charging Volume		g/m	15	15	15	30
Fan	Type		-	Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate		m ³ /min x No.	28 x 1	28 x 1	50 x 1	50 x 1
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC
	Output		W x No.	43.0 x 1	43.0 x 1	43.0 x 1	85.0 x 1
Sound Pressure Level	Cooling	Rated		dB(A)	47	47	47
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)
Piping Length	Min. / Max.		m	5 / 30	5 / 30	5 / 30	5 / 50
Max Height Difference	Outdoor - Indoor	Max.		m	15	15	20

[Mid/High Static] Standard series



SET CONDITION			2PK	2.5PK	4PK	5PK
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	27,000 / 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	7.91 / 7.03 / 2.11	11.71 / 10.54 / 3.15	14.33 / 13.61 / 4.05
Power Input	Rated	kW	1.62	1.97	2.95	4.3
Running Current	Rated	A	7.4	9	4.1	6
EER		w/w	3.26	3.57	3.58	3.17

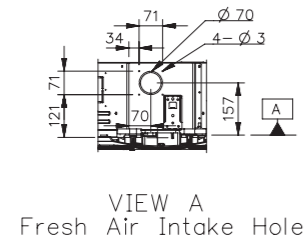
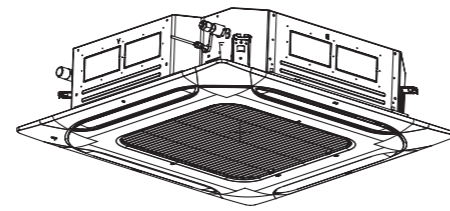
INDOOR UNIT				ZBNQ18GM1A0	ZBNQ24GM1A0	ZBNQ36LM3A0	ZBNQ48LM3A0
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
	Shipping	W x H x D	mm	1,100 x 338 x 773	1,100 x 338 x 773	1,450 x 428 x 773	1,450 x 428 x 773
Weight	Body		kg	23.8	25.3	36	41
	Shipping		kg	28.9	30.3	42.5	47
Fan Type				Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
Air Flow Rate	SH / H / M / L	m ³ /min		- / 16.5 / 14.5 / 13.0	- / 18.0 / 16.5 / 14.0	- / 30.0 / 25.0 / 20.0	- / 40.0 / 34.0 / 28.0
External Static Pressure		Pa		59	59	59	59
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC
	Output		W x No.	136.5 x 1	136.5 x 1	154 x 1	400 x 1
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	- / 34.0 / 32.0 / 30.0	- / 37 / 35 / 32	- / 36 / 33 / 31	- / 38 / 36 / 34
	Piping Connections	Liquid Side	mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Gas Side		mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	
Drain Pipe using pump		(O.D. / I.D.)	mm	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0	Ø32.0 / Ø25.0

OUTDOOR UNIT				ZUAB1	ZUAC1	ZUAD3	ZUAD3
Power Supply	V, Ø, Hz			220-240, 1, 50/60	220-240, 1, 50/60	380-415, 3, 50/60	380-415, 3, 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	60.8	60.8
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Motor Type		-	BLDC	BLDC	BLDC	BLDC
	Motor Output		W x No.	1,500 x 1	1,500 x 1	4,000 x 1	4,000 x 1
Refrigerant	Type		-	R32	R32	R32	R32
	Chargeless-Pipe Length		m	15	15	15	15
	Additional Charging Volume		g/m	15	30	30	30
Fan	Type		-	Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Air Flow Rate		m ³ /min x No.	50 x 1	50 x 1	60 x 1	60 x 1
Fan Motor	Type			BLDC	BLDC	BLDC	BLDC
	Output		W x No.	43.0 x 1	85.0 x 1	124.0 x 1	124.0 x 1
Sound Pressure Level	Cooling	Rated	dB(A)	47	53	55	55
	Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
Gas		Outer Dia.	mm(inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
Piping Length	Min. / Max.	m		5 / 30	5 / 50	5 / 50	5 / 50
Max Height Difference	Outdoor - Indoor	Max.	m	20	30	30	30

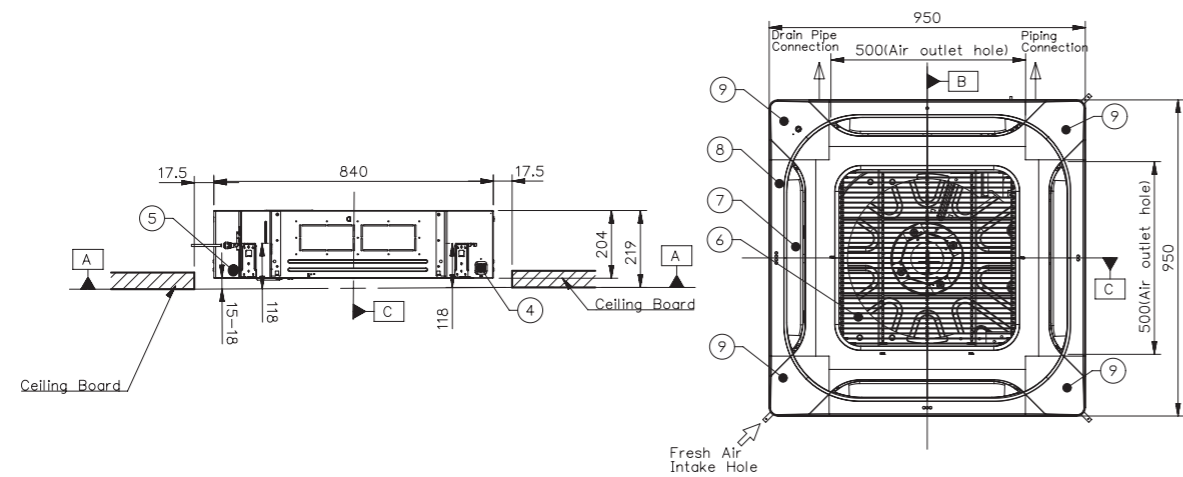
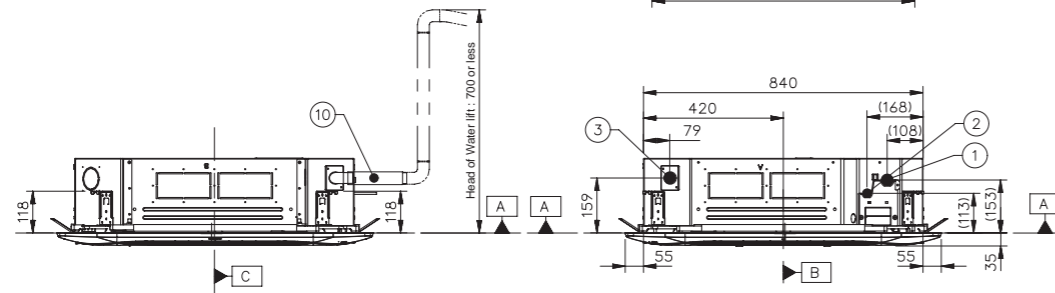
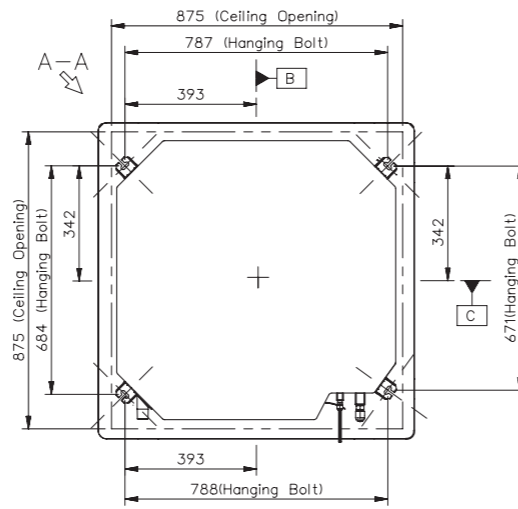
[STANDARD] ZTNQ18GPLA0 / ZTNQ24GPLA0
 [ENTRY] ZTNQ18GPLE0

(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



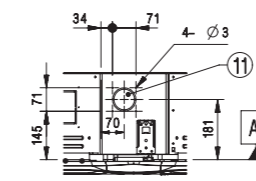
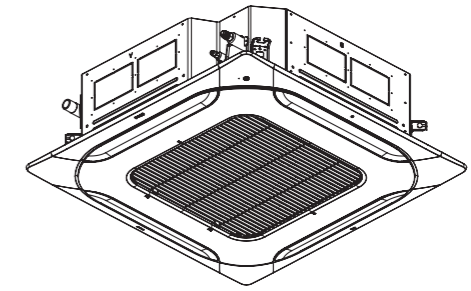
VIEW A
Fresh Air Intake Hole



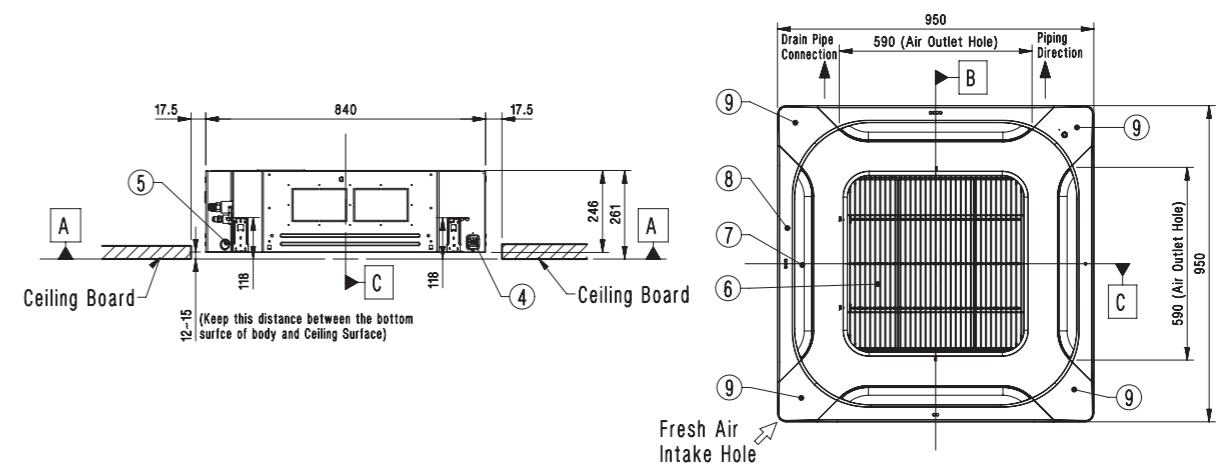
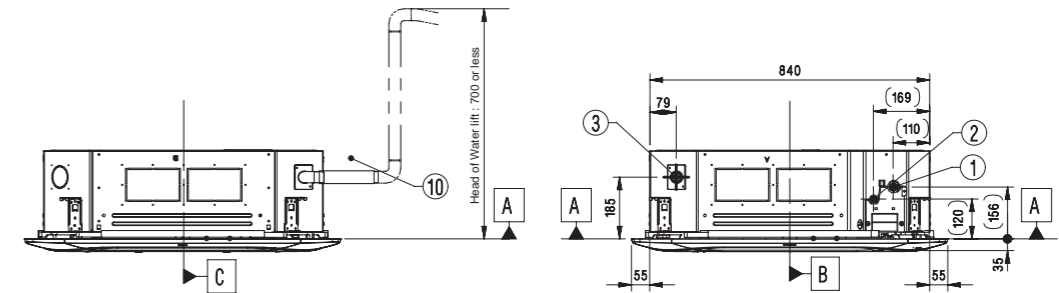
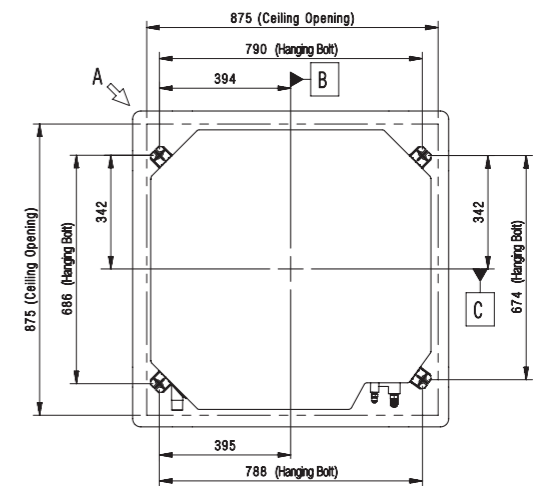
[STANDARD] ZTNQ36LNLA0
 [ENTRY] ZTNQ24GNLE0 / ZTNQ30GNLE0 / ZTNQ36GNLE0

(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

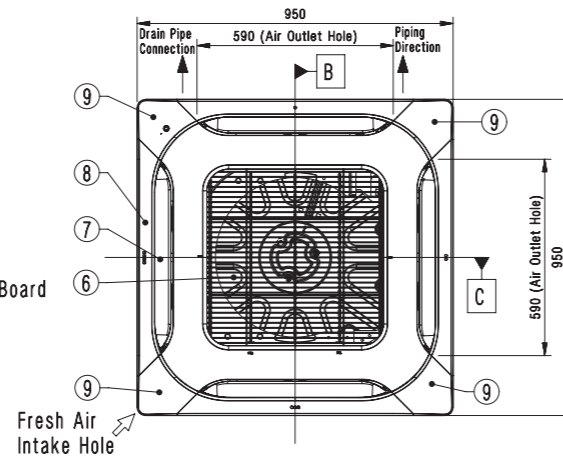
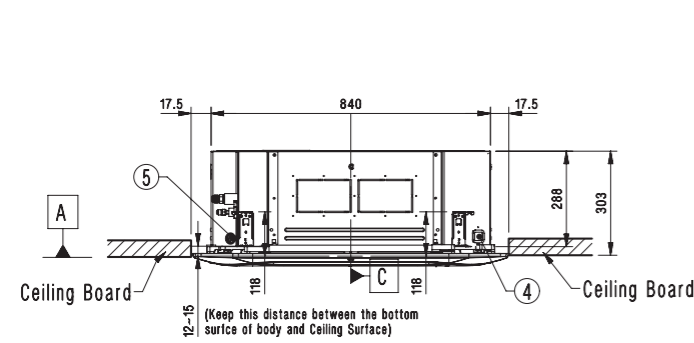
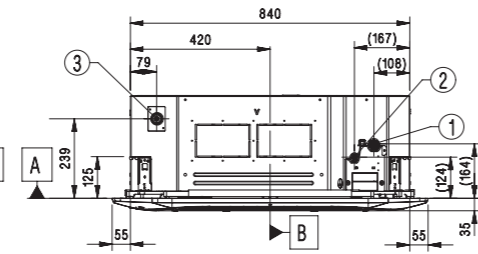
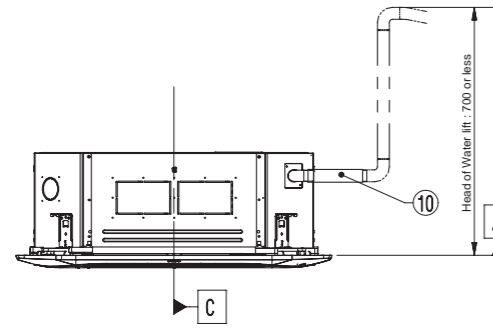
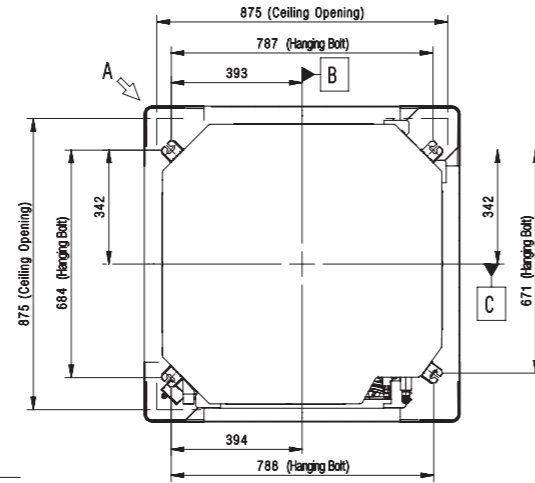
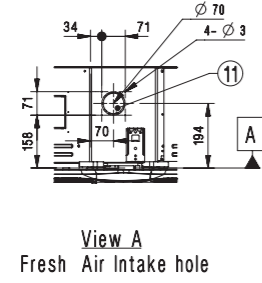
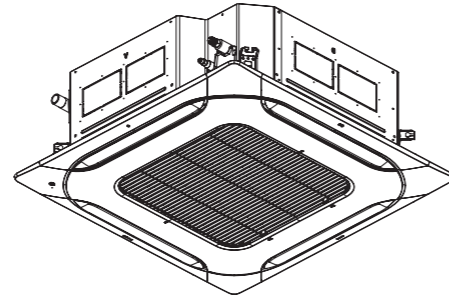


CEILING MOUNTED CASSETTE 4 WAY

[STANDARD] ZTNQ48LMLAO

(Unit : mm)

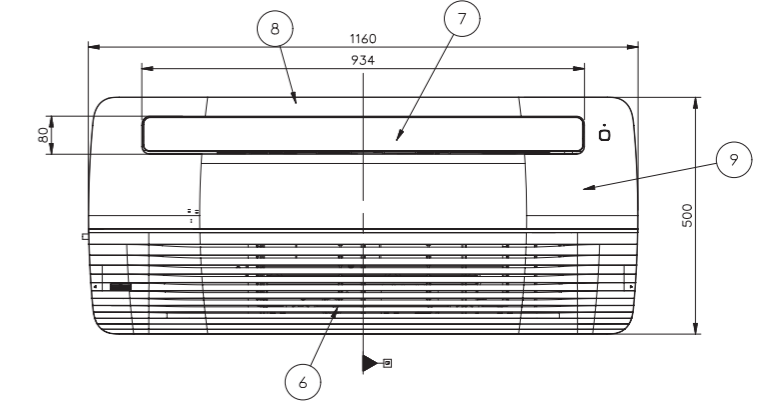
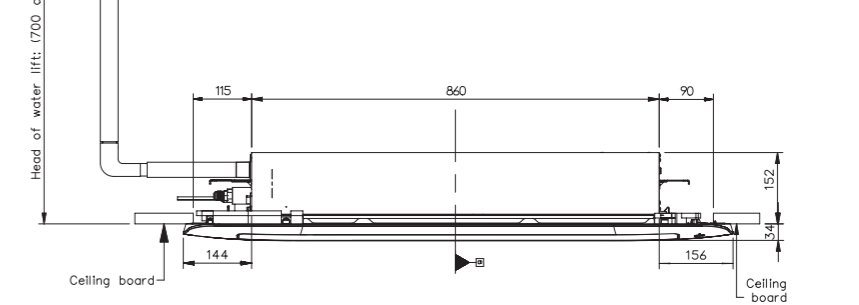
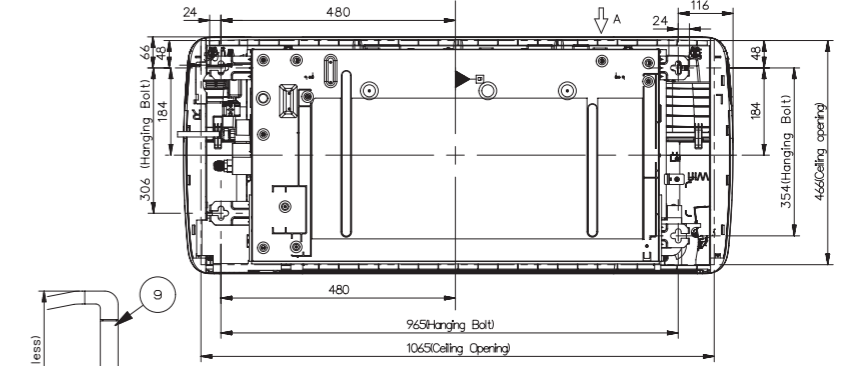
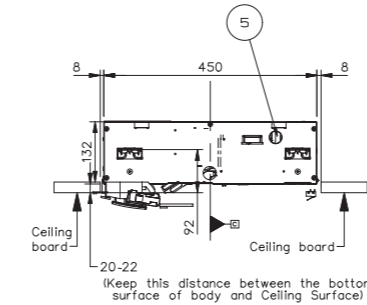
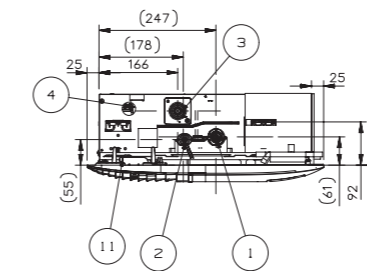
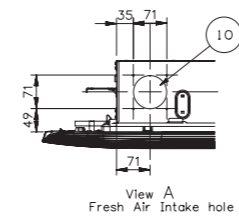
PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Wire Routing Hole
5 Wired Remote Controller Wire Routing Hole
6 Air Inlet
7 Air Outlet
8 Decoration Panel (Accessory)
9 Decoration Corner Cover
10 Flexible Drain Hose
11 Fresh air Intake Hole



[STANDARD] ZTNQ12GULAO

(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



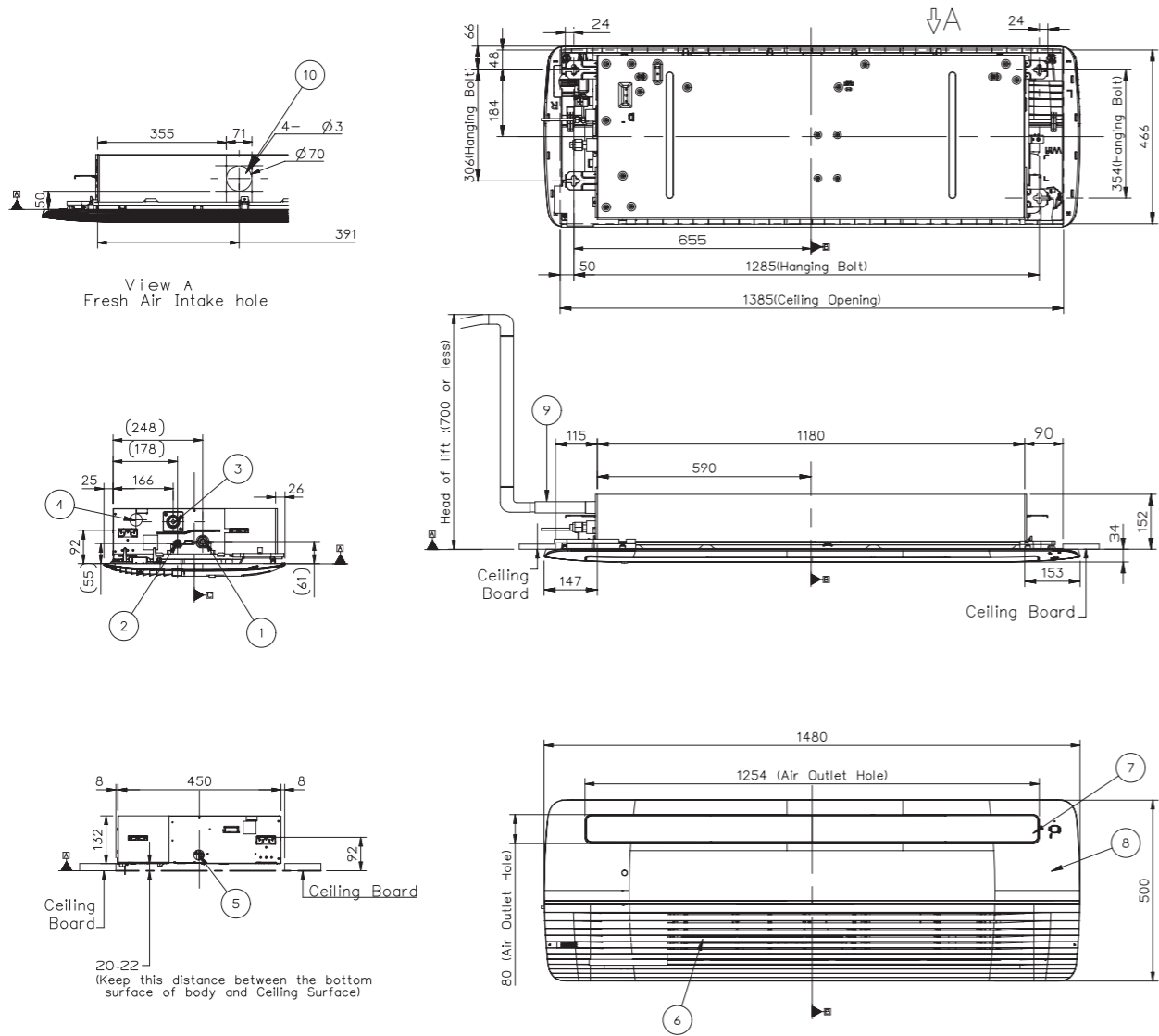
CEILING MOUNTED CASSETTE 1 WAY

CEILING MOUNTED CASSETTE 1 WAY

[STANDARD] ZTNQ18GTLA0 / ZTNQ24GTLA0

(Unit : mm)

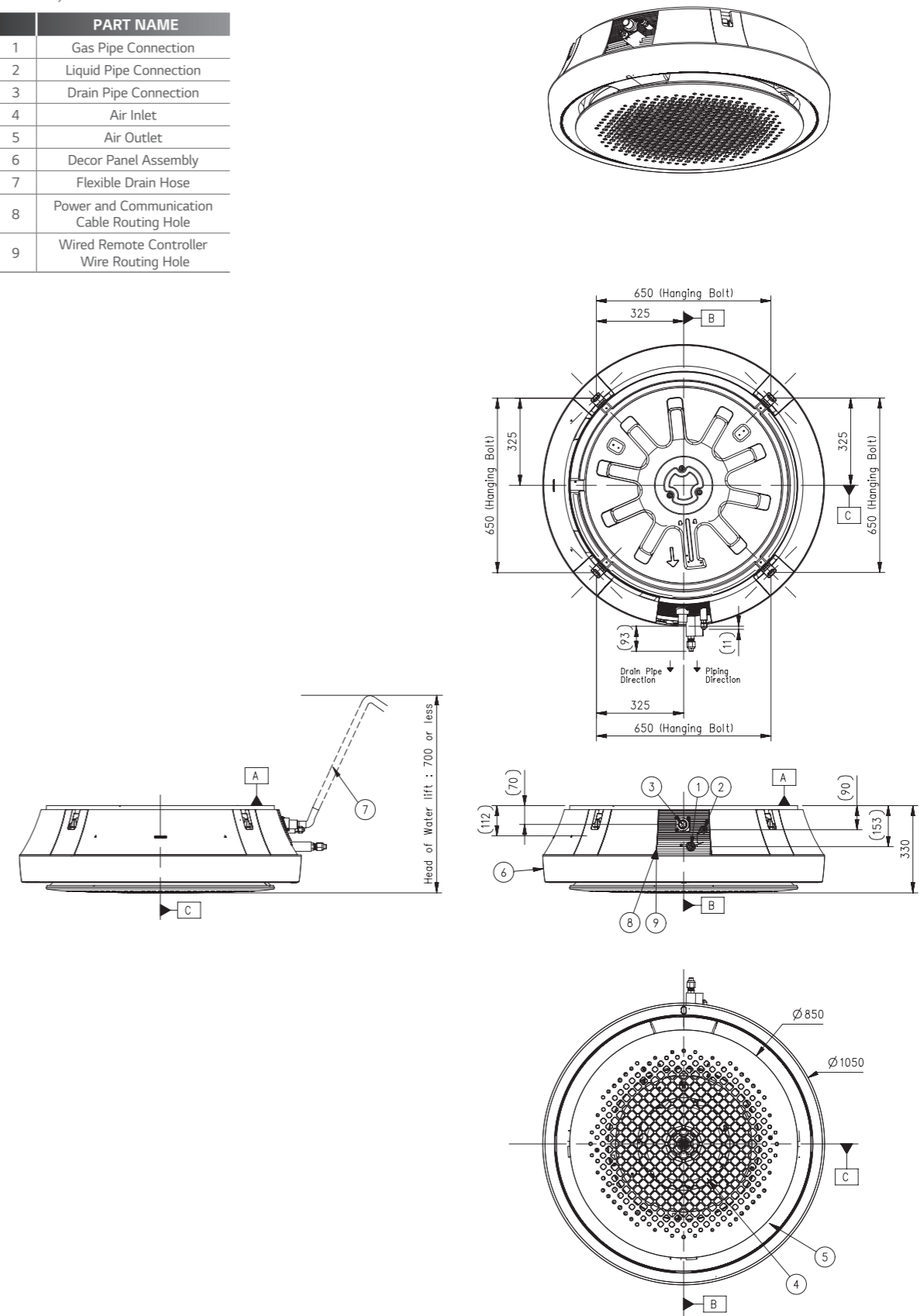
PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Wire Routing Hole
5 Wired Remote Controller Wire Routing Hole
6 Air Inlet
7 Air Outlet
8 Decoration Panel (Accessory)
9 Flexible Drain Hose
10 Fresh air Intake Hole



[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



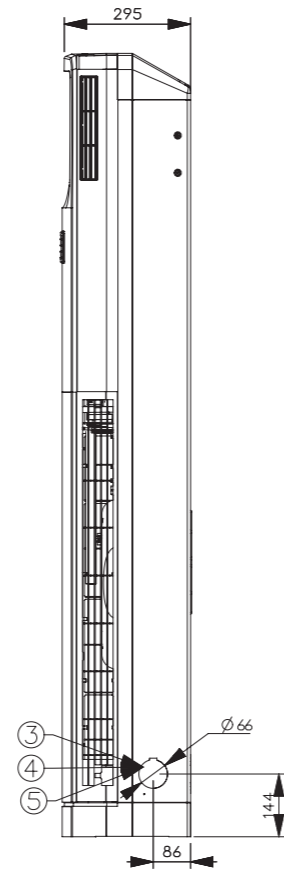
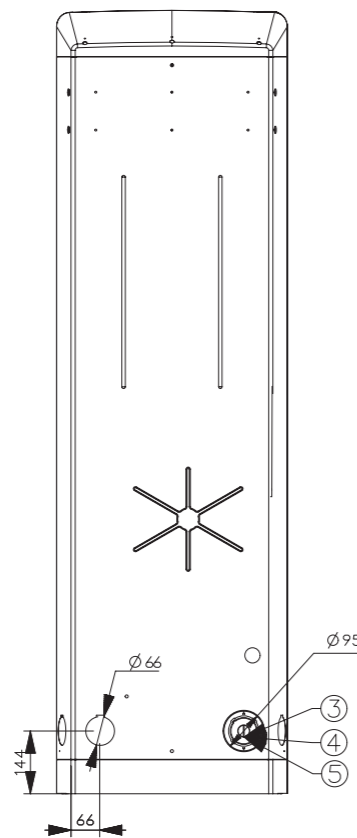
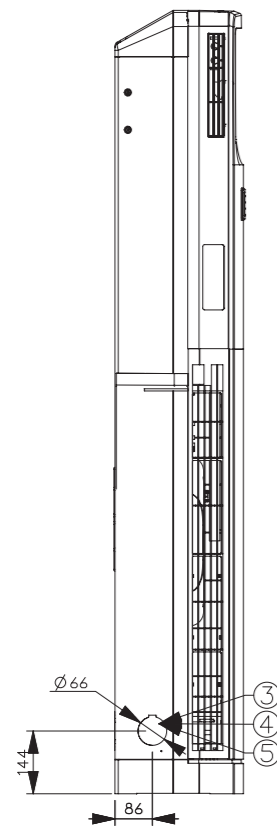
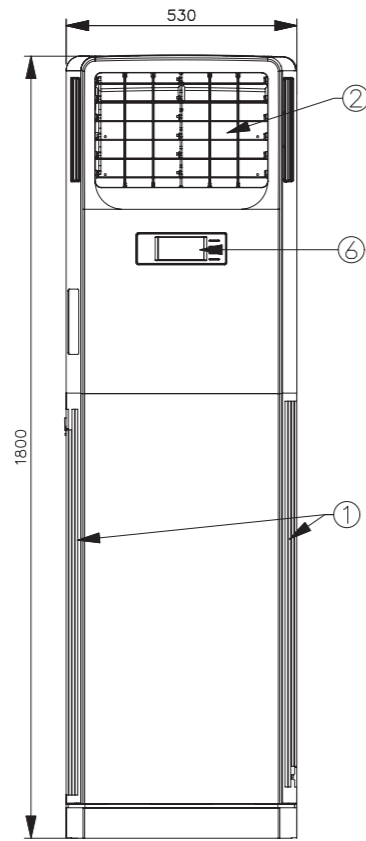
ROUND CASSETTE

FLOOR STANDING

[STANDARD] ZPNQ24GS1A0

(Unit : mm)

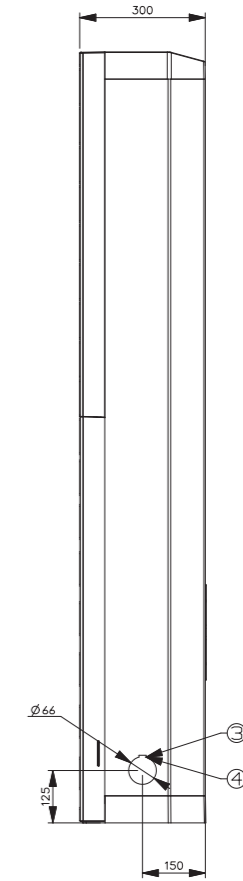
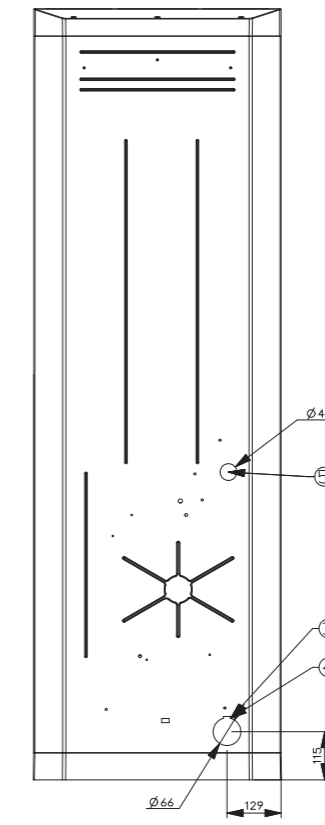
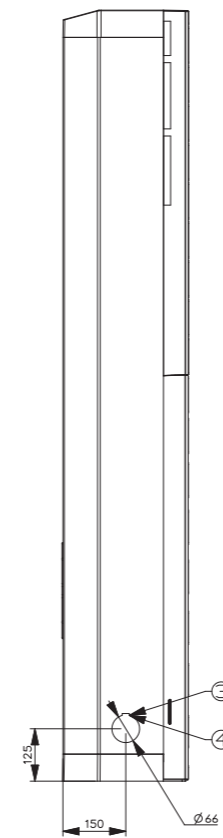
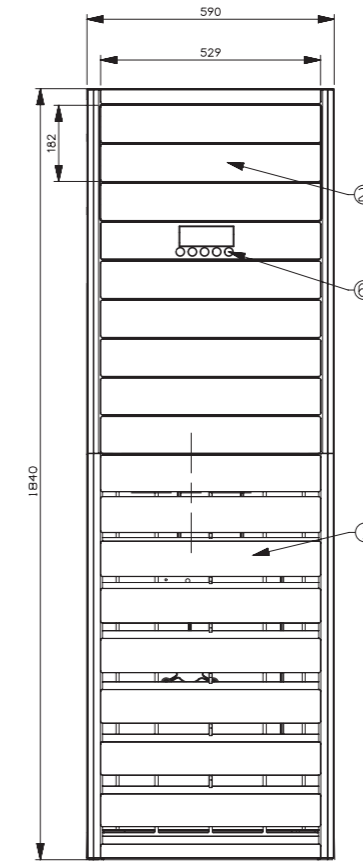
	PART NAME
1	Inlet Grill
2	Air Outlet
3	Piping Hole
4	Wire Hole
5	Drain Routing Hole
6	Remote Controller Receiver



[STANDARD] ZPNQ36LR5A0
[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



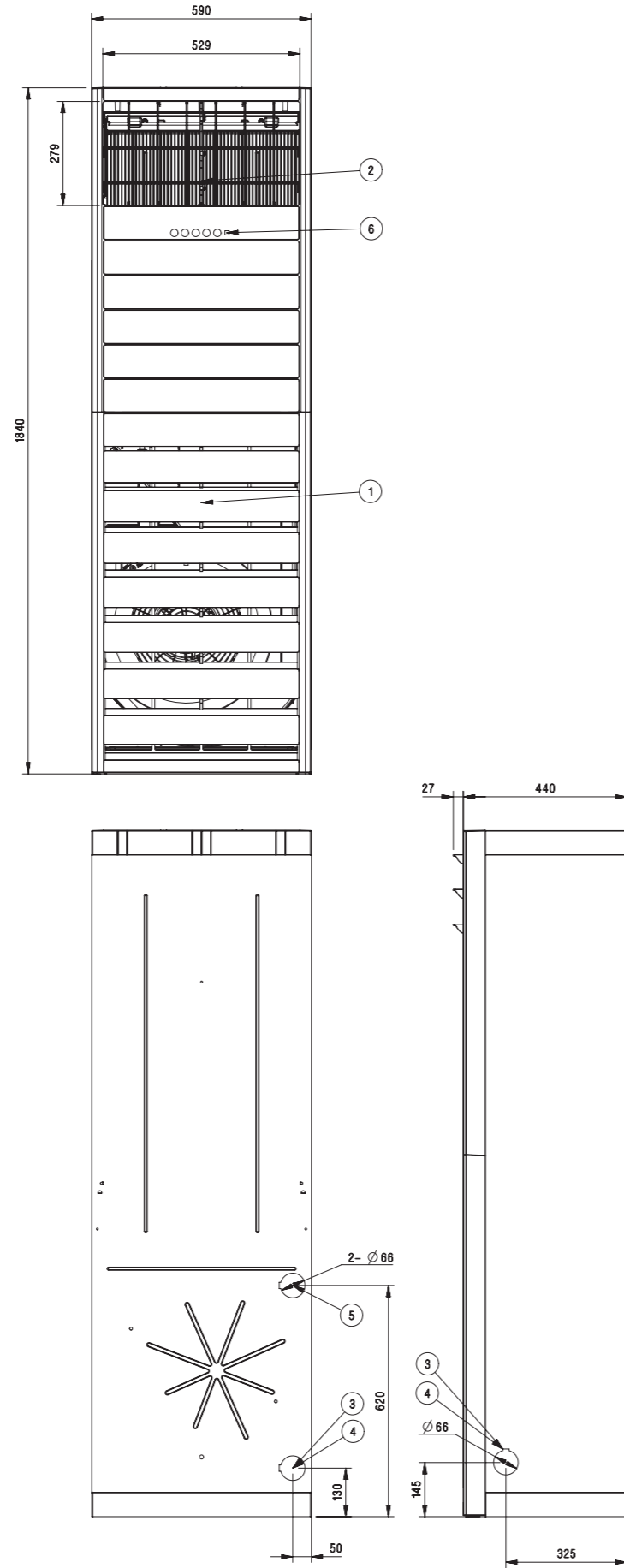
FLOOR STANDING

FLOOR STANDING

[STANDARD] ZPNQ48LT3A0
[ENTRY] ZPNQ36GT3E0

(Unit : mm)

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

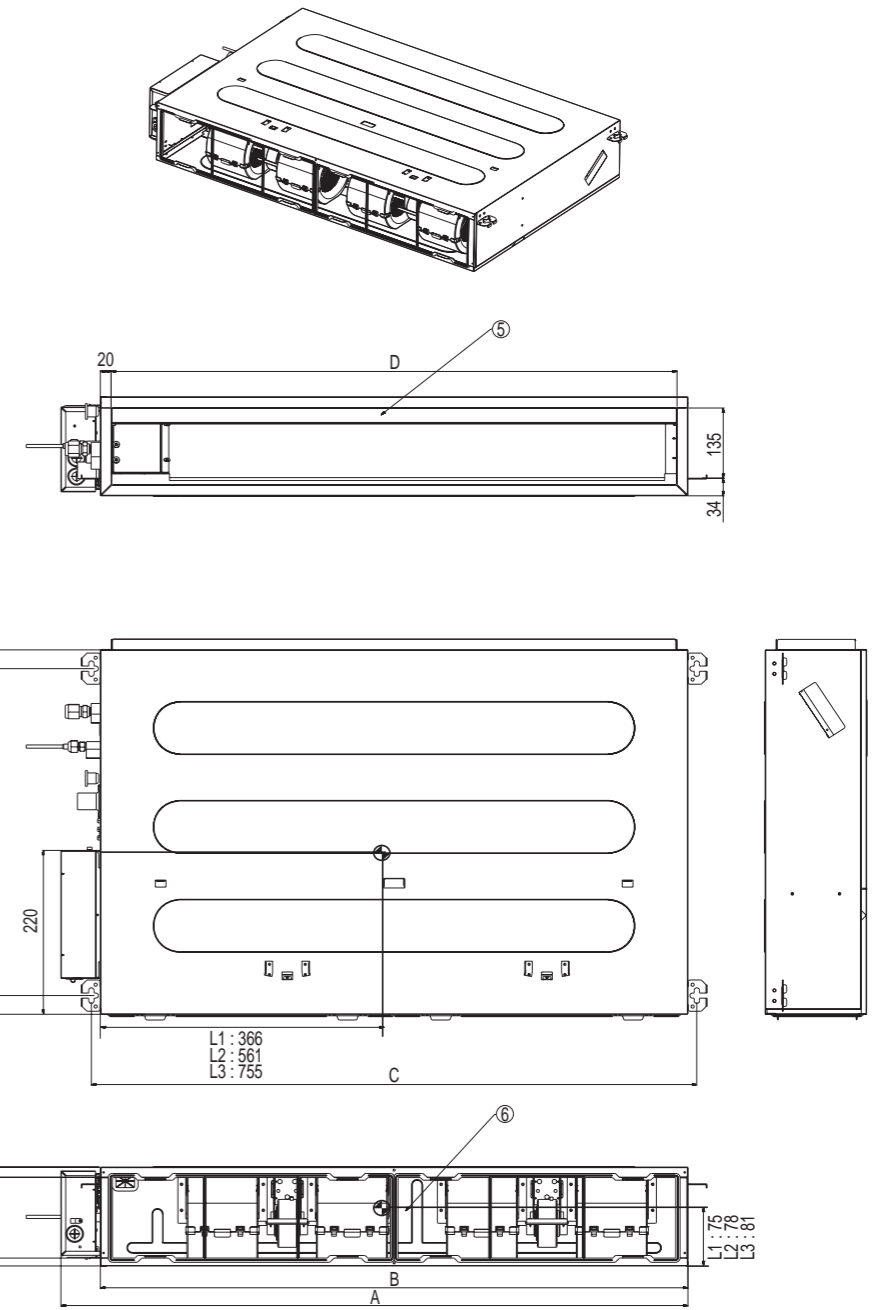


[STANDARD] ZBNQ09GL1A0

(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



CEILING CONCEALED DUCT

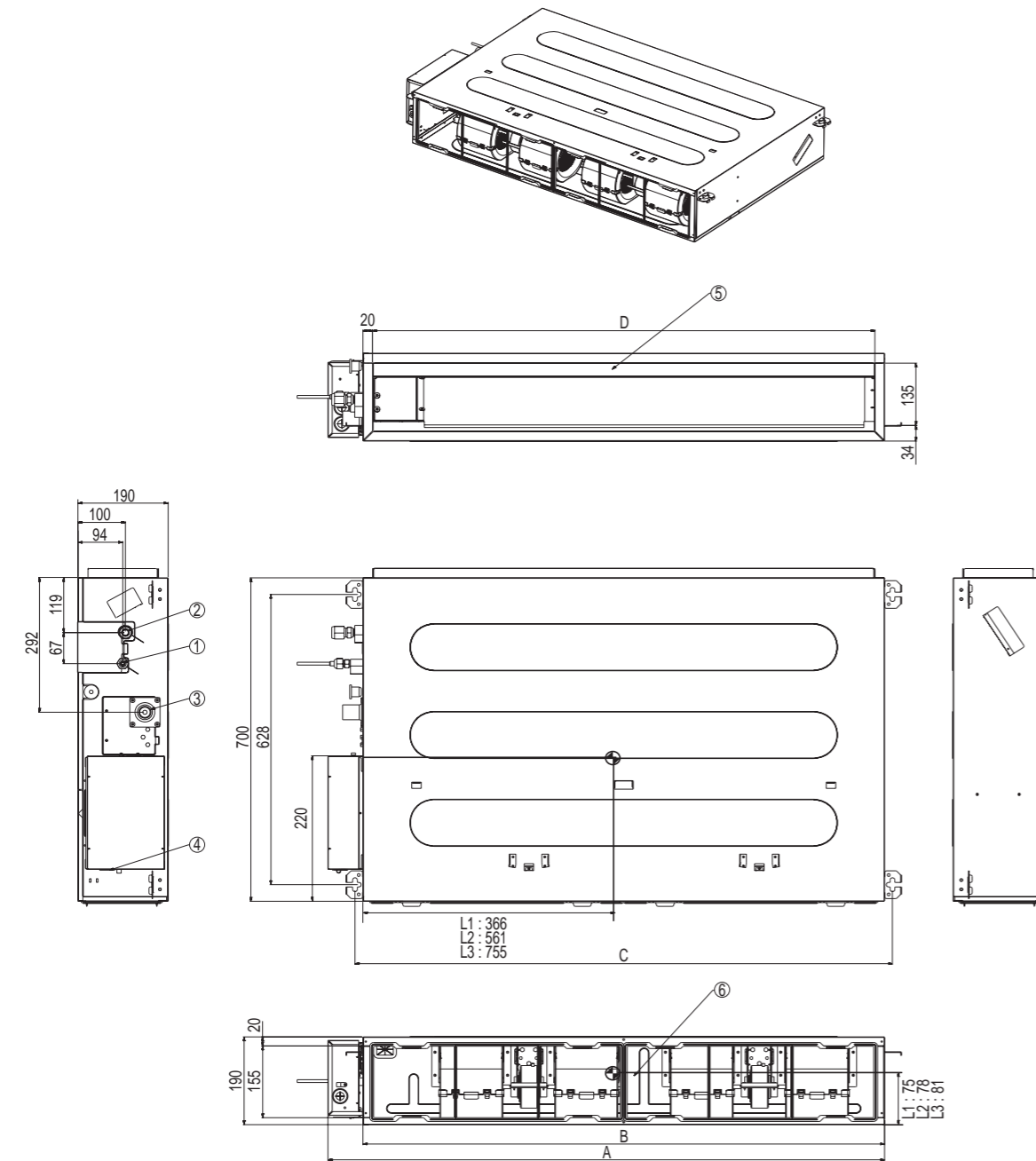
CEILING CONCEALED DUCT

[STANDARD] ZBNQ12GL2A0 / 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

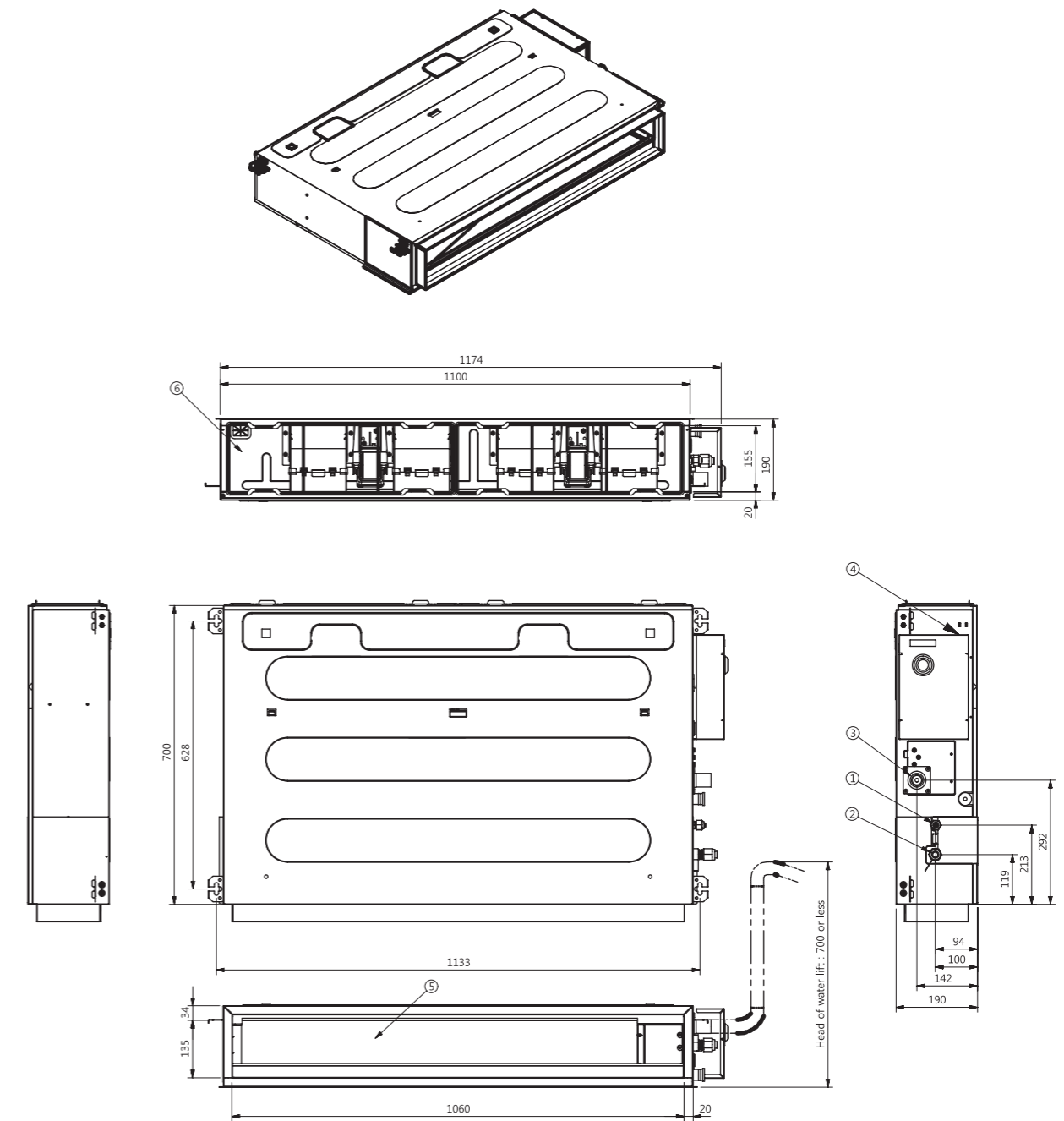
Chassis	A	B	C	D
L1	774	700	733	660
L2	974	900	933	860
L3	1,174	1,100	1,133	1,060



[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



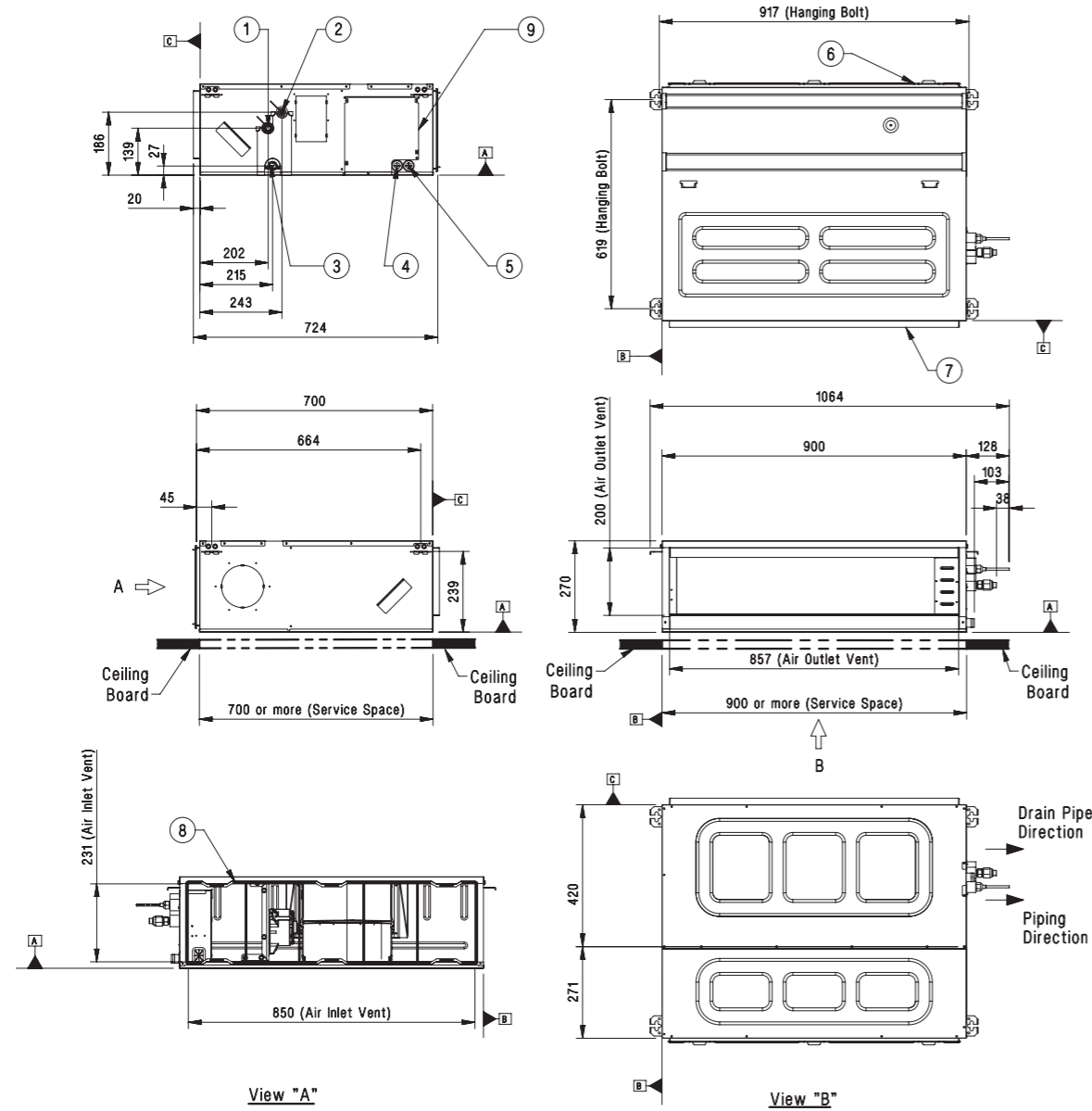
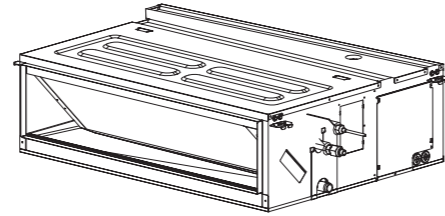
CEILING CONCEALED DUCT

CEILING CONCEALED DUCT

[STANDARD] ZBNQ18GM1A0 / ZBNQ24GM1A0

(Unit : mm)

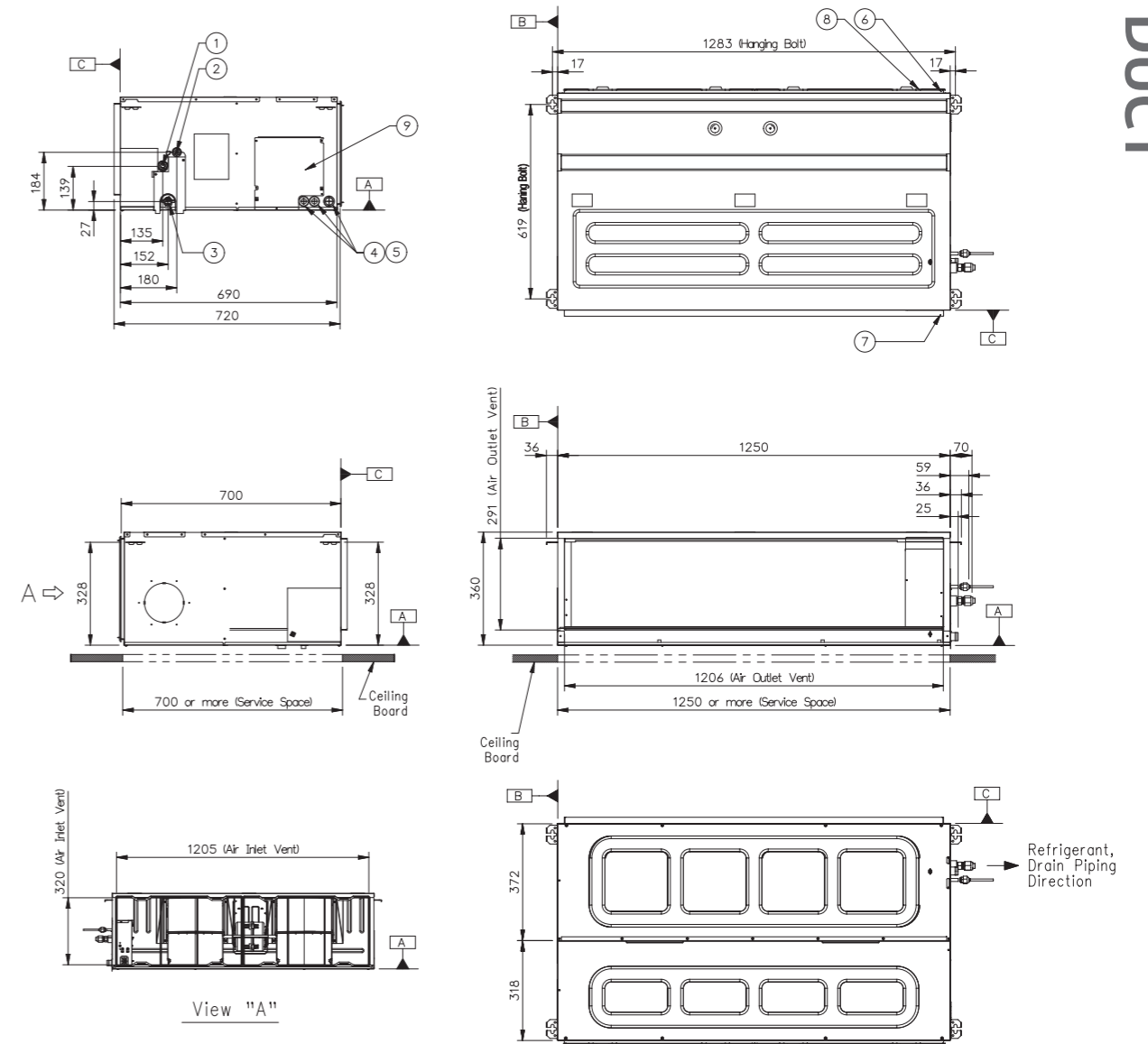
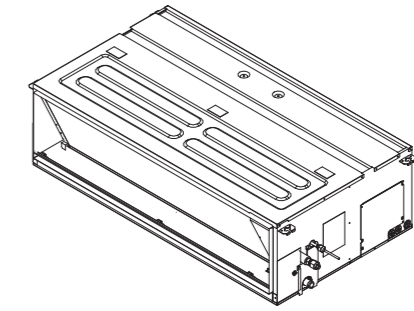
PART NAME
1 Gas Pipe Connection
2 Liquid Pipe Connection
3 Drain Pipe Connection
4 Power and Communication Cable Routing Hole
5 Wired Remote Controller Wire Routing Hole
6 Air Inlet Vent
7 Air Outlet Vent
8 Air Fiter
9 Control Cover



[STANDARD] ZBNQ36LM3A0 / ZBNQ48LM3A0

(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 Fiter
9 Control Cover



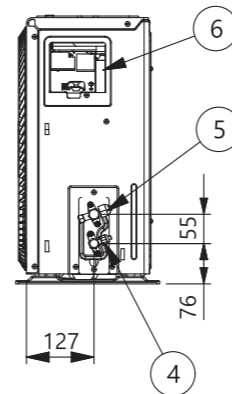
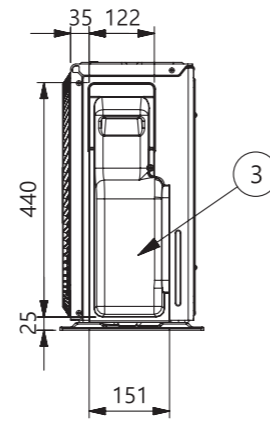
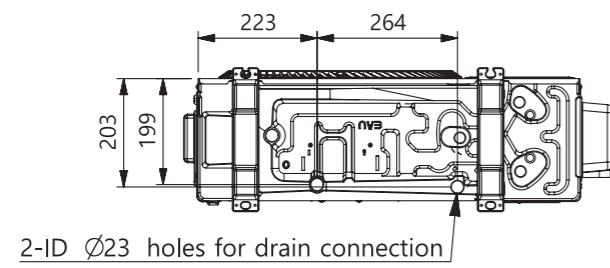
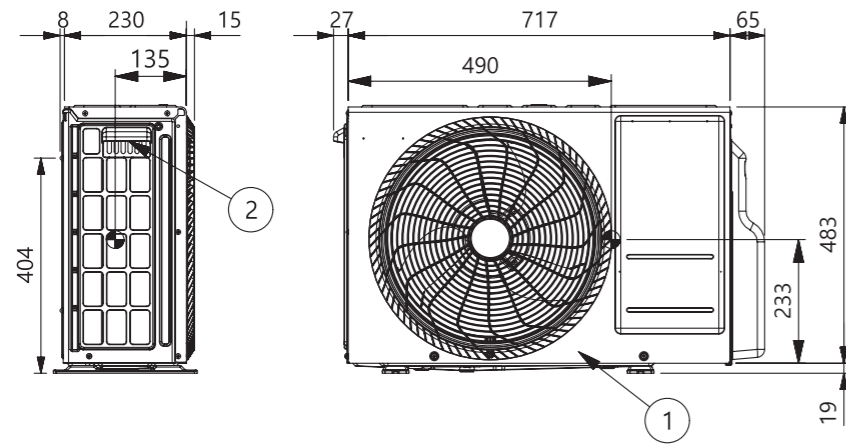
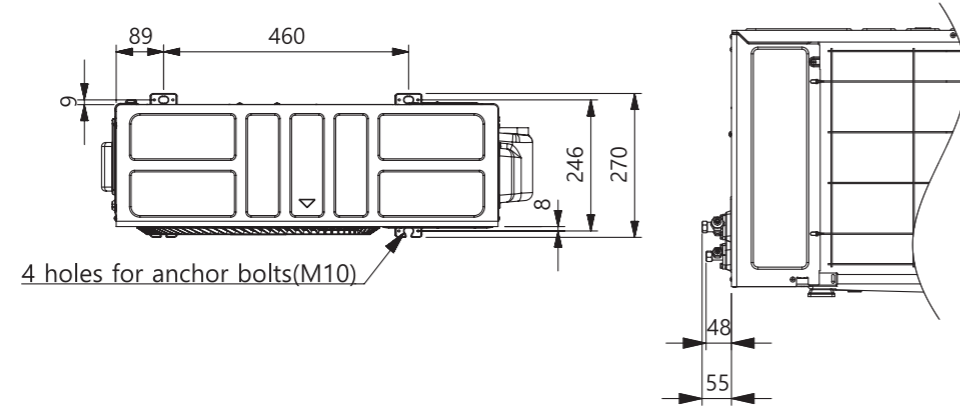
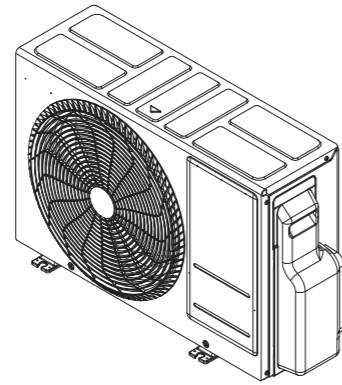
CEILING CONCEALED DUCT

OUTDOOR UNIT

ZUAA1

(Unit : mm)

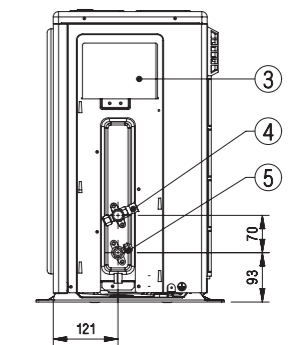
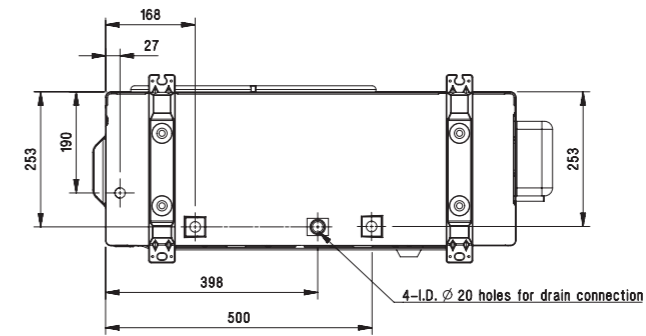
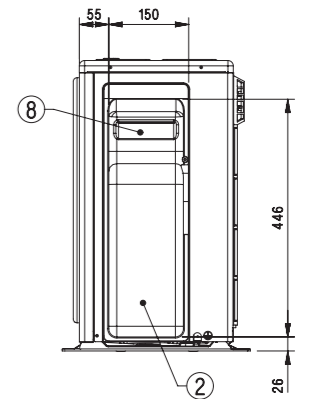
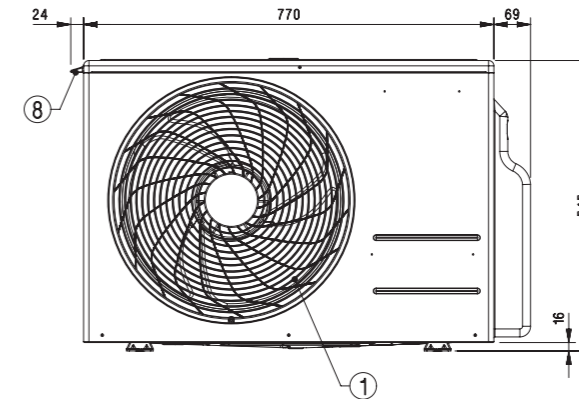
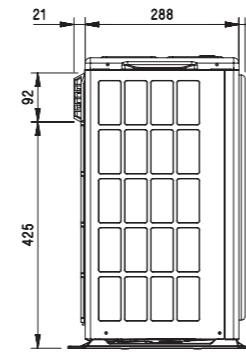
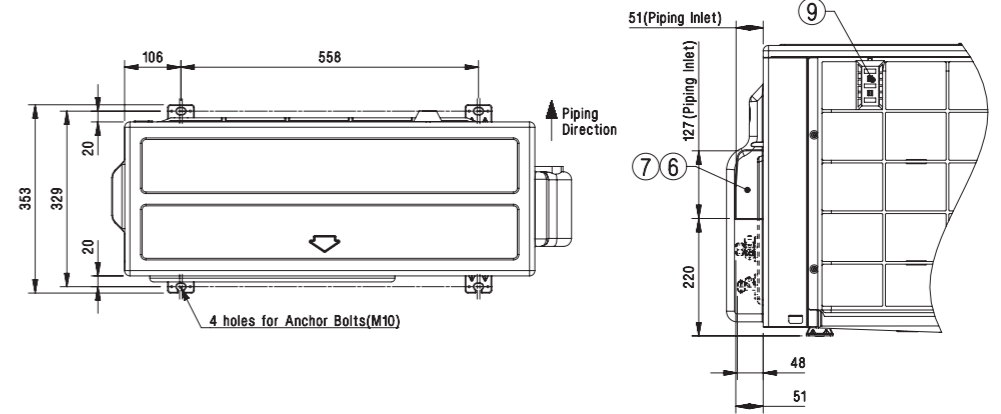
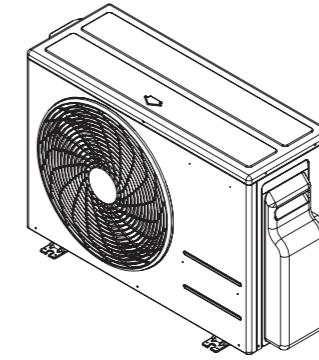
	PART NAME
1	Air Outlet
2	Handle
3	SVC Valve and Control Cover
4	Liquid Pipe Connection
5	Gas Pipe Connection
6	Power and Communication Cable Routing Hole



ZUAB1

(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



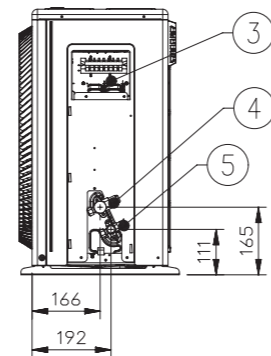
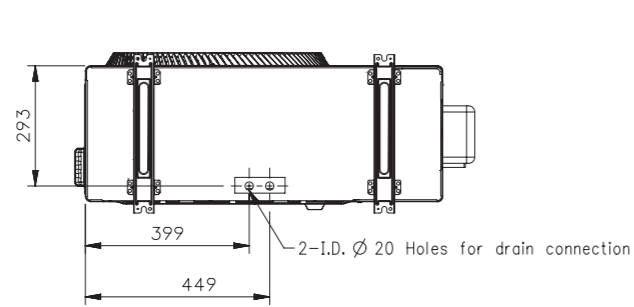
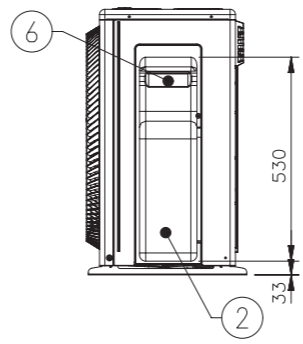
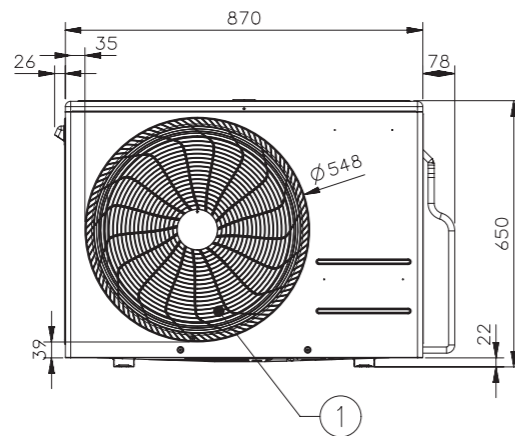
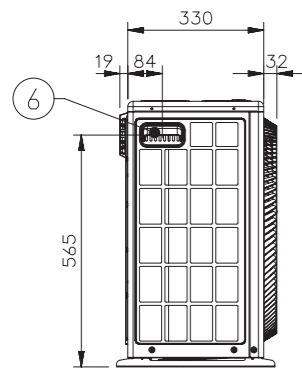
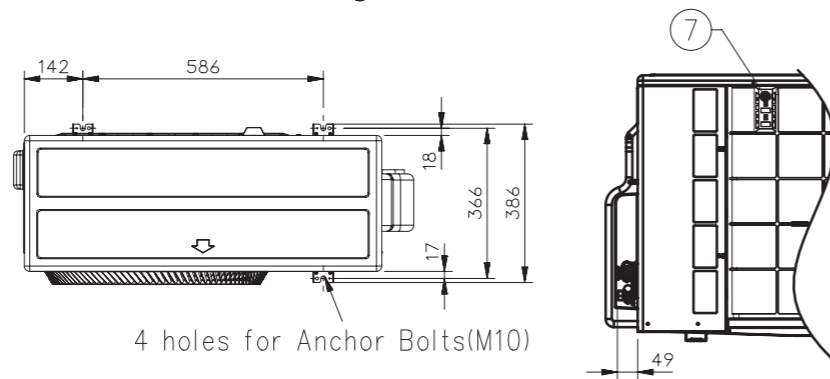
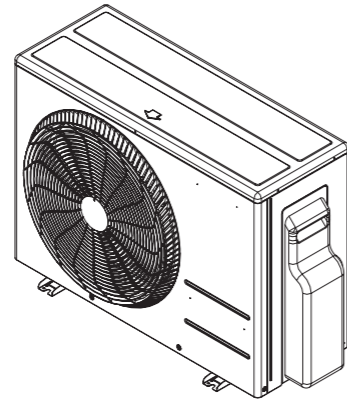
Side View
(removed valve cover)

OUTDOOR UNIT

ZUAC1

(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 / ZUAD3

(Unit : mm)

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

