

# LG

Single Indoor Unit

Cooling only

MFL67986344

# TOTAL HVAC SOLUTION PROVIDER

ENGINEERING PRODUCT DATA BOOK

Single Indoor Unit  
General Information

**Model Line Up**

## 1. Model Line Up

Product	Chassis	Capacity Index	Model Name
		kW	
Ceiling Concealed Duct - Low Static	L1	2.6	ZBNQ09GL1A0
	L2	3.5	ZBNQ12GL2A0
		5.3	ZBNQ18GL2A0
	L3	7	ZBNQ24GL3A0
Ceiling Concealed Duct - Middle Static	M1	5.3	ZBNQ18GM1A0
		7	ZBNQ24GM1A0
	M3	10.6	ZBNQ36GM3A0
			ZBNQ36LM3A0
		14.1	ZBNQ48GM3A0
ZBNQ48LM3A0			
Floor standing	PS1	7	ZPNQ24GS1A0
	PR5	8.8	ZPNQ30GR5E0
		10.6	ZPNQ36GR5A0
			ZPNQ36LR5A0
	PT3	14.1	ZPNQ36GT3E0
			ZPNQ48GT3A0
ZPNQ48LT3A0			
Ceiling Cassette 1-Way	TU	3.5	ZTNQ12GULA0
	TT	5.3	ZTNQ18GTLA0
		7	ZTNQ24GTLA0
Ceiling Cassette 4-Way	TP	5.3	ZTNQ18GPLA0
			ZTNQ18GPLE0
		7	ZTNQ24GPLA0
	TN	8.8	ZTNQ24GNLE0
			ZTNQ30GNLE0
		10.6	ZTNQ36GNLE0
			ZTNQ36GNLA0
	TM	14.1	ZTNQ36LNLA0
			ZTNQ48GMLA0
ZTNQ48LMLA0			
Ceiling Cassette Round	TY	10.6	ZTNQ36GYLA0
		14.1	ZTNQ48GYLA0

\* The capacity index may differ from actual capacity values.

## **Single Indoor Unit Product Data**

**Ceiling Concealed Duct - Low Static**

**Ceiling Concealed Duct - Middle Static**

**Floor standing**

**Ceiling Cassette 1-Way**

**Ceiling Cassette 4-Way**

**Ceiling Cassette Round**

## 1. ZBNQ09GL1A0

## 1.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	L1
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	50
Running Current	Maximum	A	0.76
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 9.0 / 7.0 / 5.5
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	20
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	19
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 11 x 14
	No.	-	1
	Face Area	m <sup>2</sup>	0.12
Dimensions	Net(W x H x D)	mm	700 x 190 x 700
	Shipping(W x H x D)	mm	862 x 255 x 781
Weight	Net	kg	17.5
	Shipping	kg	20.5
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø 32.0 / 25.0
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ9.52 (3/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-30/26/23
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.76
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 1. ZBNQ09GL1A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 1. ZBNQ09GL1A0

## 1.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	X
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O (Embedded)
	Auto E.S.P. Control*	X
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 1. ZBNQ09GL1A0

## 1.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	X
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).



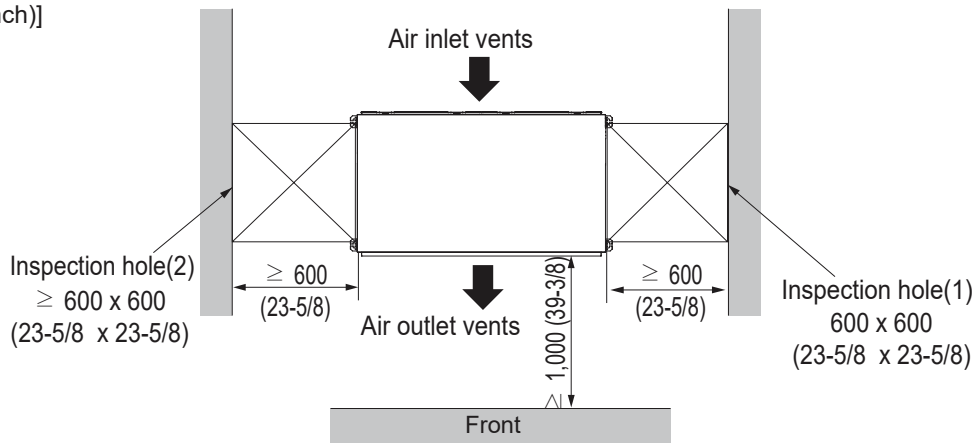


1. ZBNQ09GL1A0

1.4.2 Install Space

Top view

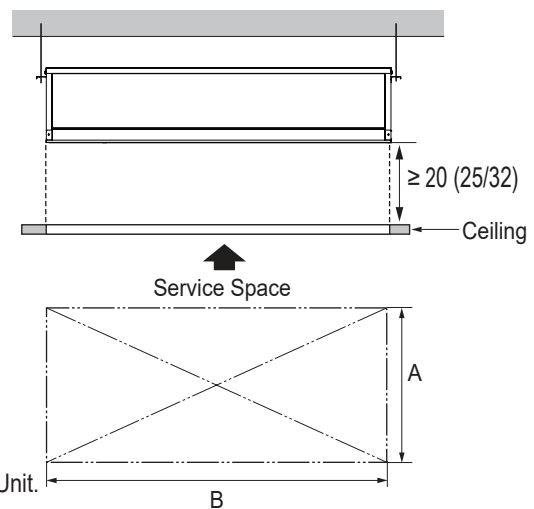
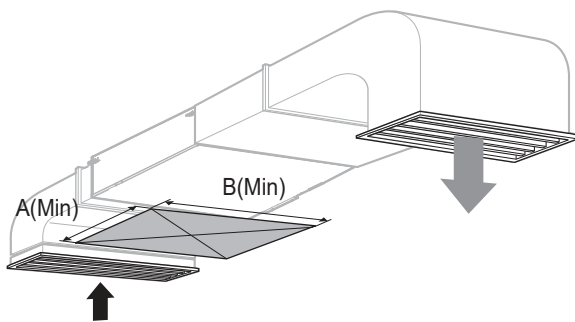
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

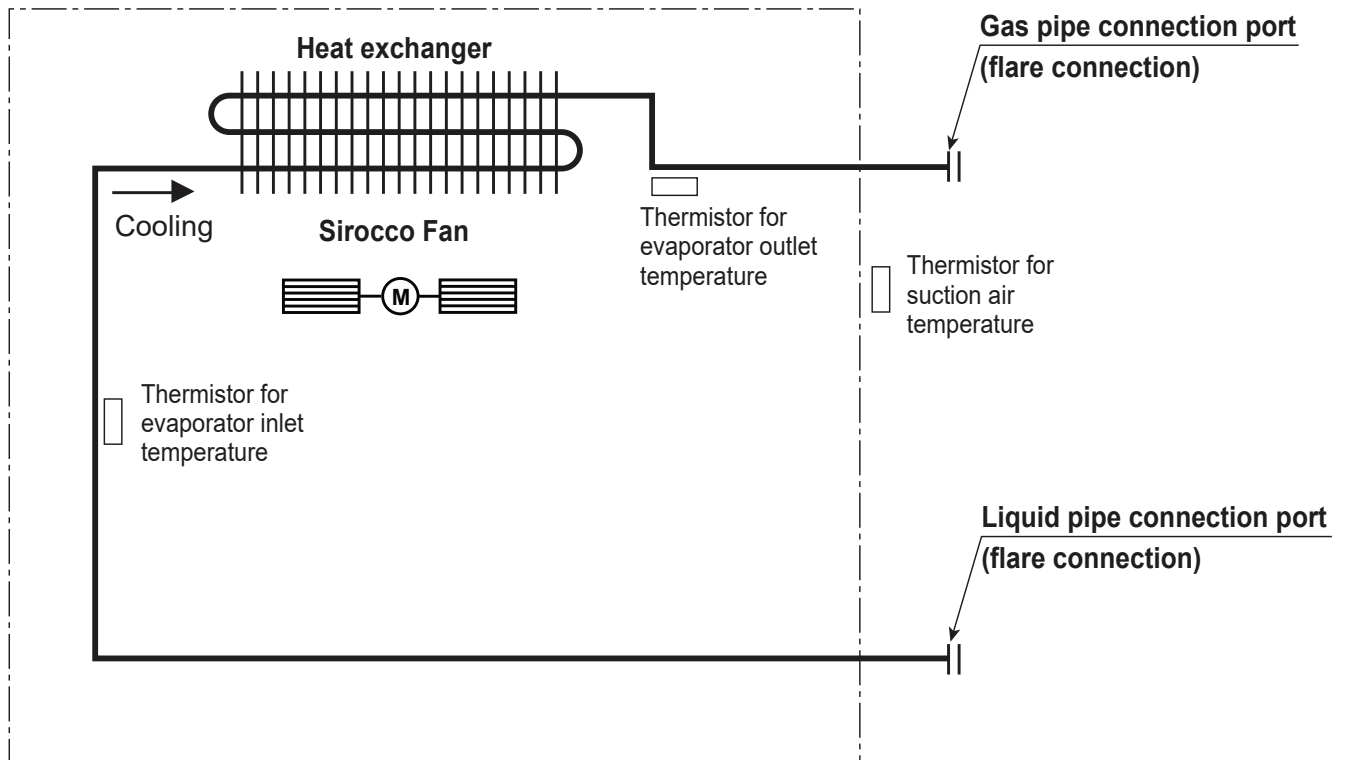
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

1. ZBNQ09GL1A0

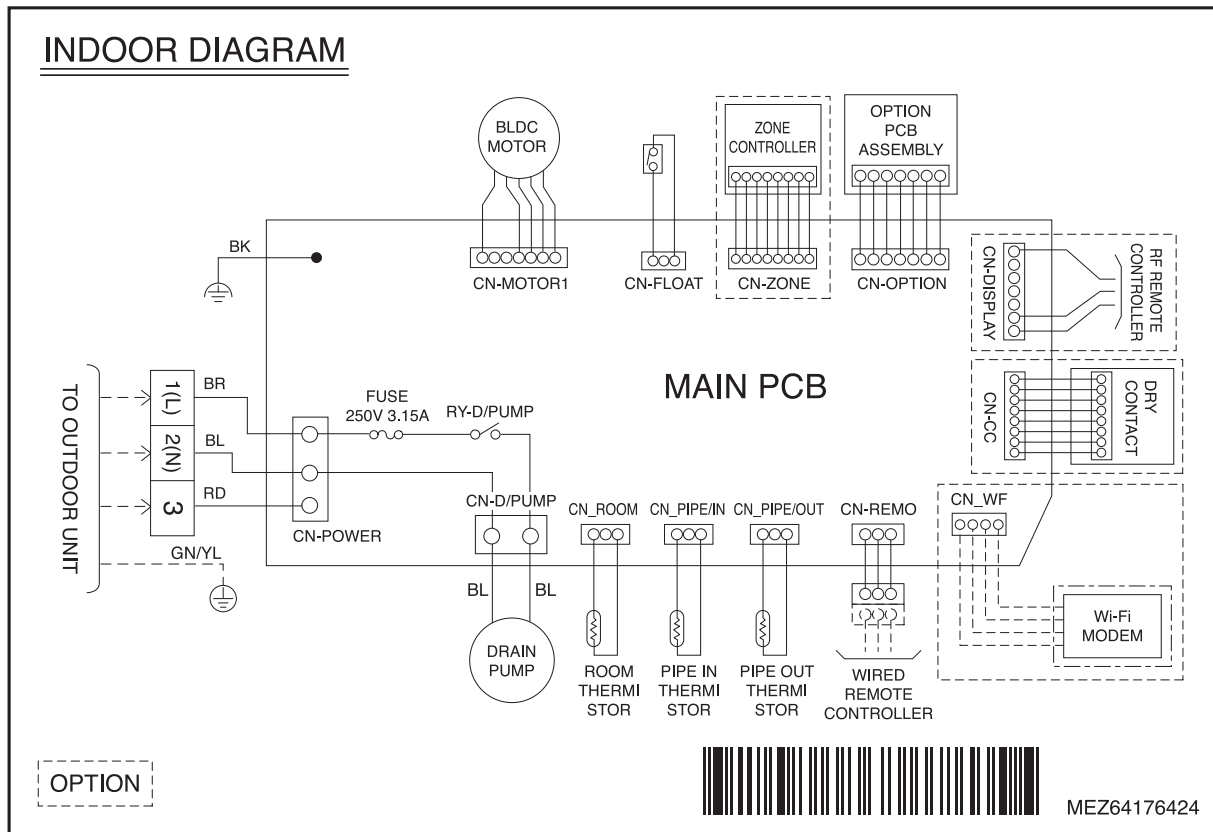
1.5 Piping Diagrams

1.5.1 Normal



1. ZBNQ09GL1A0

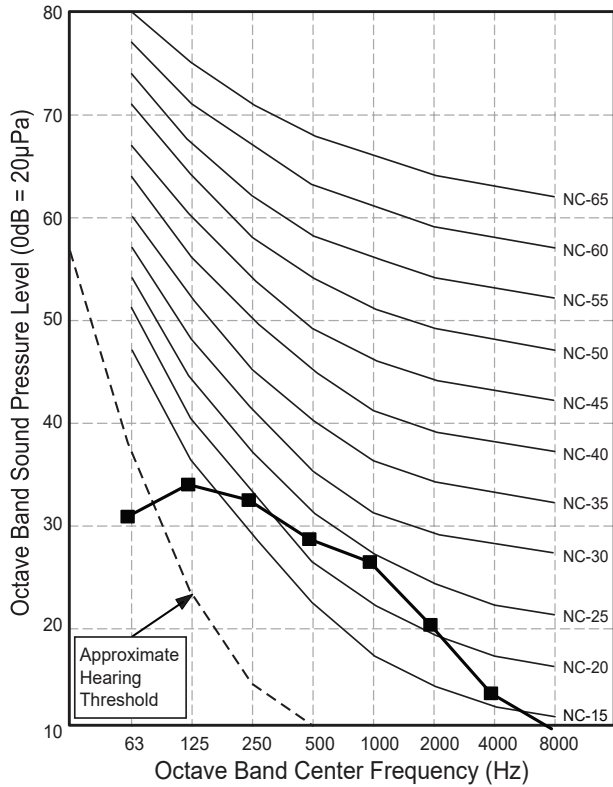
1.6 Wiring Diagrams



# 1. ZBNQ09GL1A0

## 1.7 Sound Levels

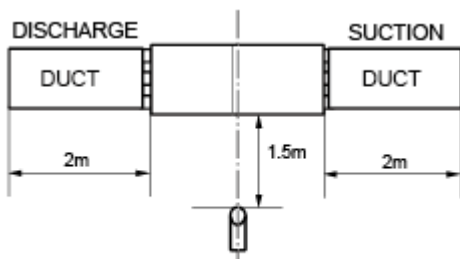
### 1.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling((SH)/H/M/L)	- / 30.0 / 26.0 / 23.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



\* Measuring place : Anechoic chamber

**1. ZBNQ09GL1A0****1.8 Fan Performance data****1.8.1 Table**

Setting Value	Static Pressure [mmAq(Pa)]					
	0 (0)	1 (10)	2 (20)	3 (30)	4 (40)	5 (49)
	Air Flow Rate [m <sup>3</sup> /min]					
60	-	-	-	-	-	-
65	5.03	-	-	-	-	-
70	5.60	4.85	-	-	-	-
75	6.19	5.44	4.57	-	-	-
80	6.79	6.05	5.17	-	-	-
85	7.41	6.67	5.80	4.80	-	-
90	8.05	7.31	6.43	5.44	-	-
95	8.71	7.96	7.09	6.09	4.97	-
100	9.38	8.63	7.76	6.76	5.64	-
105	10.07	9.32	8.45	7.45	6.33	5.08
110	-	10.03	9.16	8.16	7.04	5.79
115	-	-	9.88	8.88	7.76	6.51
120	-	-	-	9.62	8.50	7.25
125	-	-	-	10.38	9.26	8.01
130	-	-	-	-	10.03	8.78

**Note**

- The above table shows the correlation between the air rates and E.S.P.
- The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
- The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.
- Refer to the installation manual included with the how to set E.S.P.

## 2. ZBNQ12GL2A0

## 2.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	L2
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	95
Running Current	Maximum	A	0.76
Power Factor(Cooling/Heating)	Rated	-	0.99 /0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 10.0 / 8.5 / 7.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	20
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	19 + 5
		No.	1 + 1
Heat Exchanger	Rows x Columns x FPI	-	2 x 11 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.17
Dimensions	Net(W x H x D)	mm	900 x 190 x 700
	Shipping(W x H x D)	mm	1062 x 255 x 781
Weight	Net	kg	23.0
	Shipping	kg	28.0
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø 32.0 / 25.0
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ9.52 (3/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-31/28/27
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.76
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

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- Wiring cable size must comply with the applicable local and national code.

## 2. ZBNQ12GL2A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.



## 2. ZBNQ12GL2A0

### 2.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	X
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O (Embedded)
	Auto E.S.P. Control*	X
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

#### Note

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 2. ZBNQ12GL2A0

## 2.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	X
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
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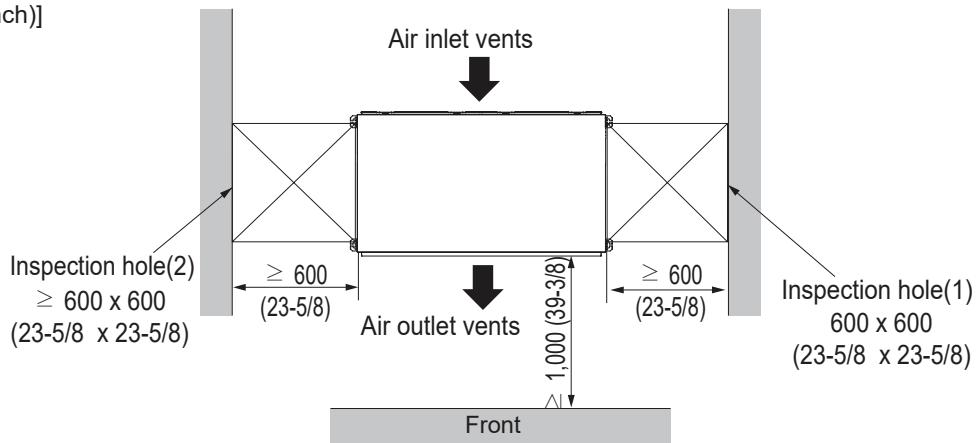


2. ZBNQ12GL2A0

2.4.2 Install Space

Top view

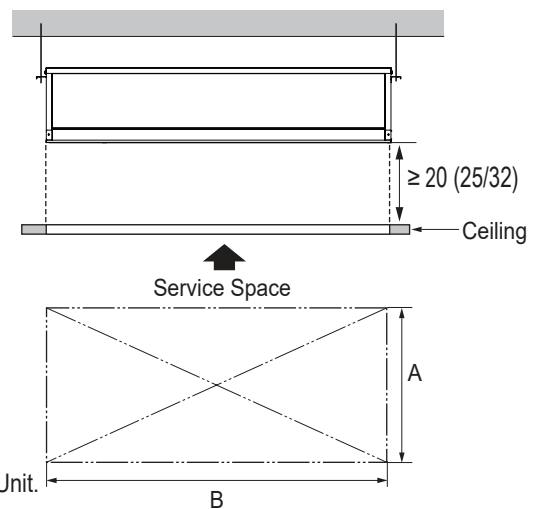
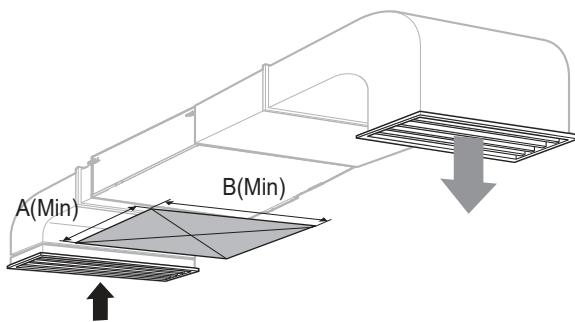
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

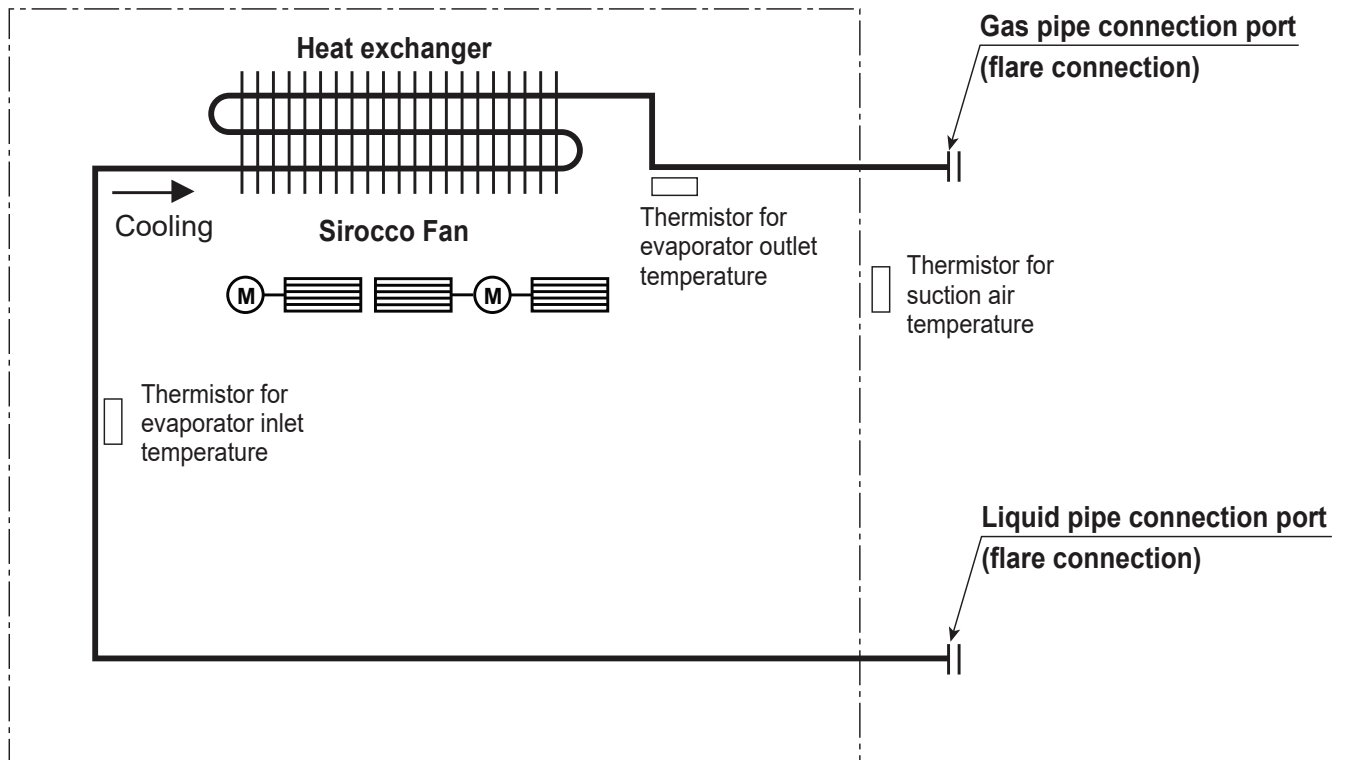
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

## 2. ZBNQ12GL2A0

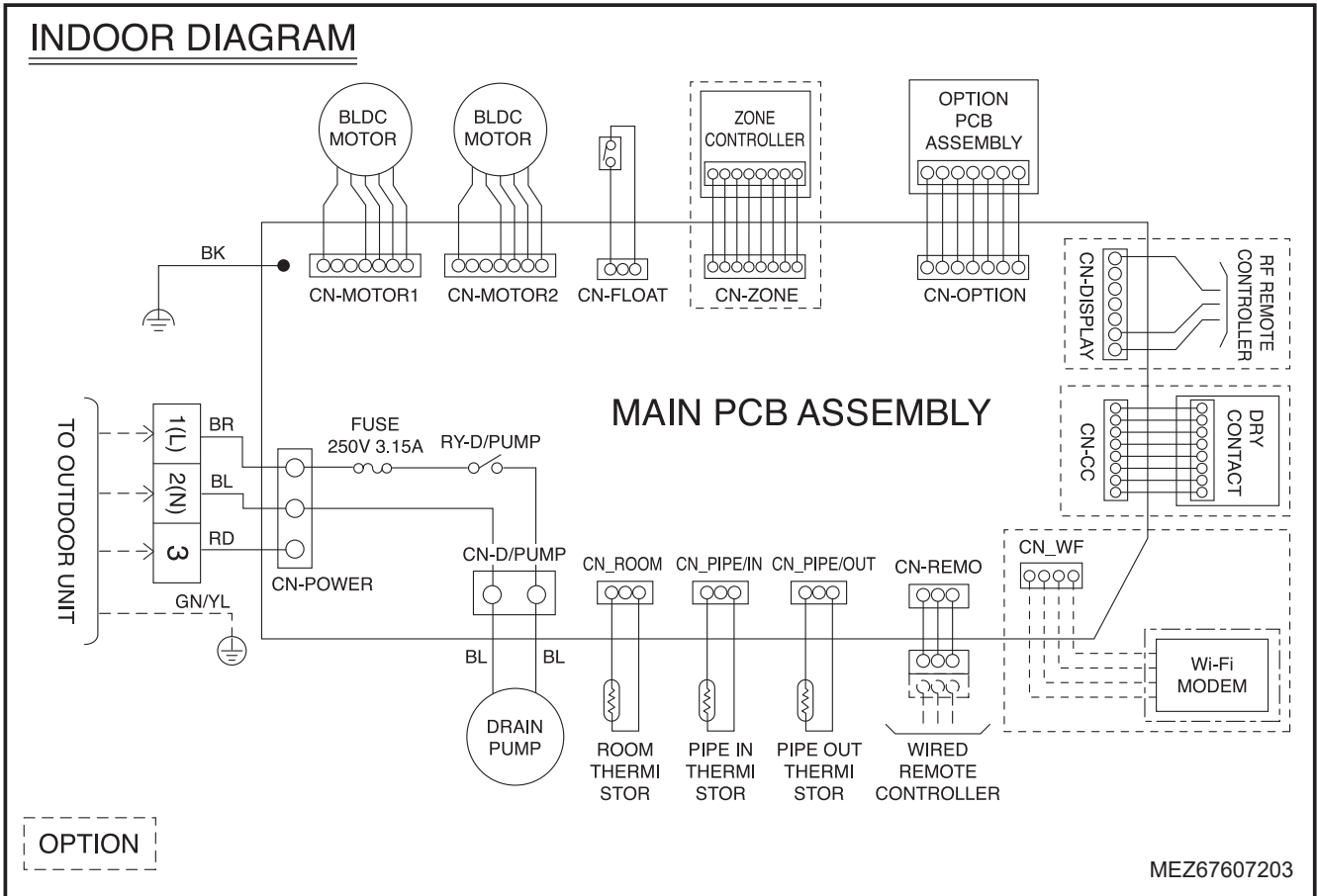
### 2.5 Piping Diagrams

#### 2.5.1 Normal



2. ZBNQ12GL2A0

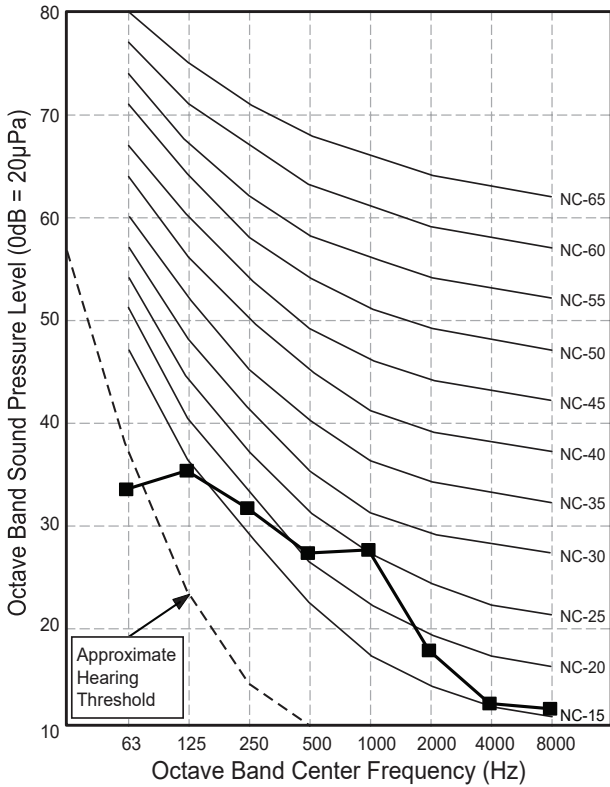
2.6 Wiring Diagrams



2. ZBNQ12GL2A0

2.7 Sound Levels

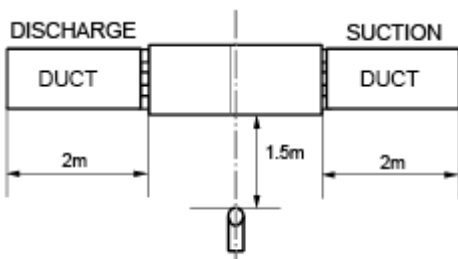
2.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling((SH)/H/M/L)	- / 31.0 / 28.0 / 27.0

Note

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.



\* Measuring place : Anechoic chamber

## 2. ZBNQ12GL2A0

### 2.8 Fan Performance data

#### 2.8.1 Table

Setting Value	Static Pressure [mmAq(Pa)]					
	0 (0)	1 (10)	2 (20)	3 (30)	4 (40)	5 (49)
	Air Flow Rate [m <sup>3</sup> /min]					
75	6.50	-	-	-	-	-
80	7.34	6.70	-	-	-	-
85	8.20	7.55	6.69	-	-	-
90	9.07	8.43	7.56	6.47	-	-
95	9.96	9.32	8.45	7.36	-	-
100	10.87	10.22	9.36	8.27	6.96	-
105	11.79	11.15	10.28	9.19	7.89	6.35
110	12.73	12.09	11.22	10.14	8.83	7.30
115	13.69	13.05	12.18	11.09	9.78	8.25
120	14.67	14.02	13.16	12.07	10.76	9.23
125	15.66	15.01	14.15	13.06	11.75	10.22
130	16.67	16.02	15.16	14.07	12.76	11.23
135	-	-	16.18	15.10	13.79	12.26
140	-	-	-	16.14	14.83	13.30
145	-	-	-	-	15.89	14.36

#### Note

- The above table shows the correlation between the air rates and E.S.P.
- The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
- The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.
- Refer to the installation manual included with the how to set E.S.P.



## 3. ZBNQ18GL2A0

## 3.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	L2
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	120
Running Current	Maximum	A	0.76
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 15.0 / 12.5 / 10.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	40
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W No.	19+5 1+1
Heat Exchanger	Rows x Columns x FPI	-	2 x 11 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.17
Dimensions	Net(W x H x D)	mm	900 x 190 x 700
	Shipping(W x H x D)	mm	1062 x 255 x 781
Weight	Net	kg	23
	Shipping	kg	28
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø 32.0 / 25.0
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ12.7 (1/2)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-36/34/31
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.76
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 3. ZBNQ18GL2A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 3. ZBNQ18GL2A0

## 3.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	X
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O (Embedded)
	Auto E.S.P. Control*	X
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 3. ZBNQ18GL2A0

## 3.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	X
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

3. ZBNQ18GL2A0

3.4 Dimensions

3.4.1 Product

(unit: mm)

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

Number	Name
1	Liquid pipe connection
2	Gas pipe connection
3	Drain pipe connection
4	Power supply connection
5	Air discharge
6	Air suction

**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit shall be grounded in accordance with the local regulations or applicable national codes.

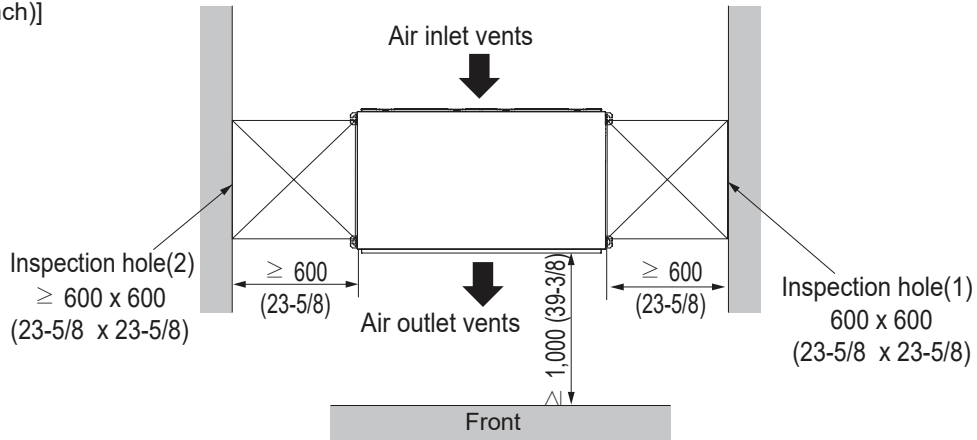
**Gravity point**

3. ZBNQ18GL2A0

3.4.2 Install Space

Top view

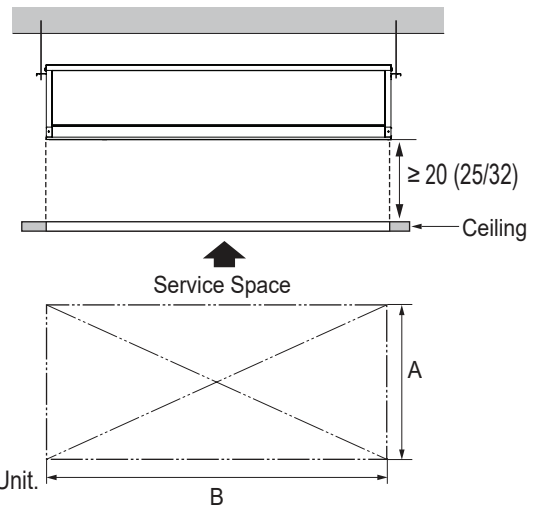
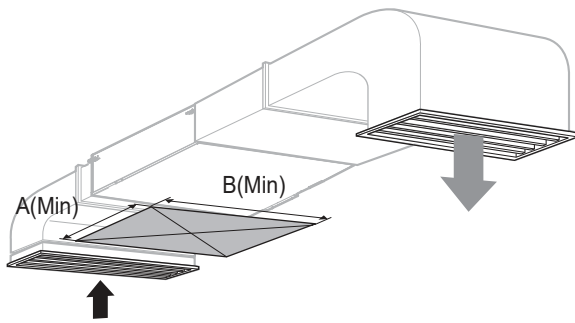
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

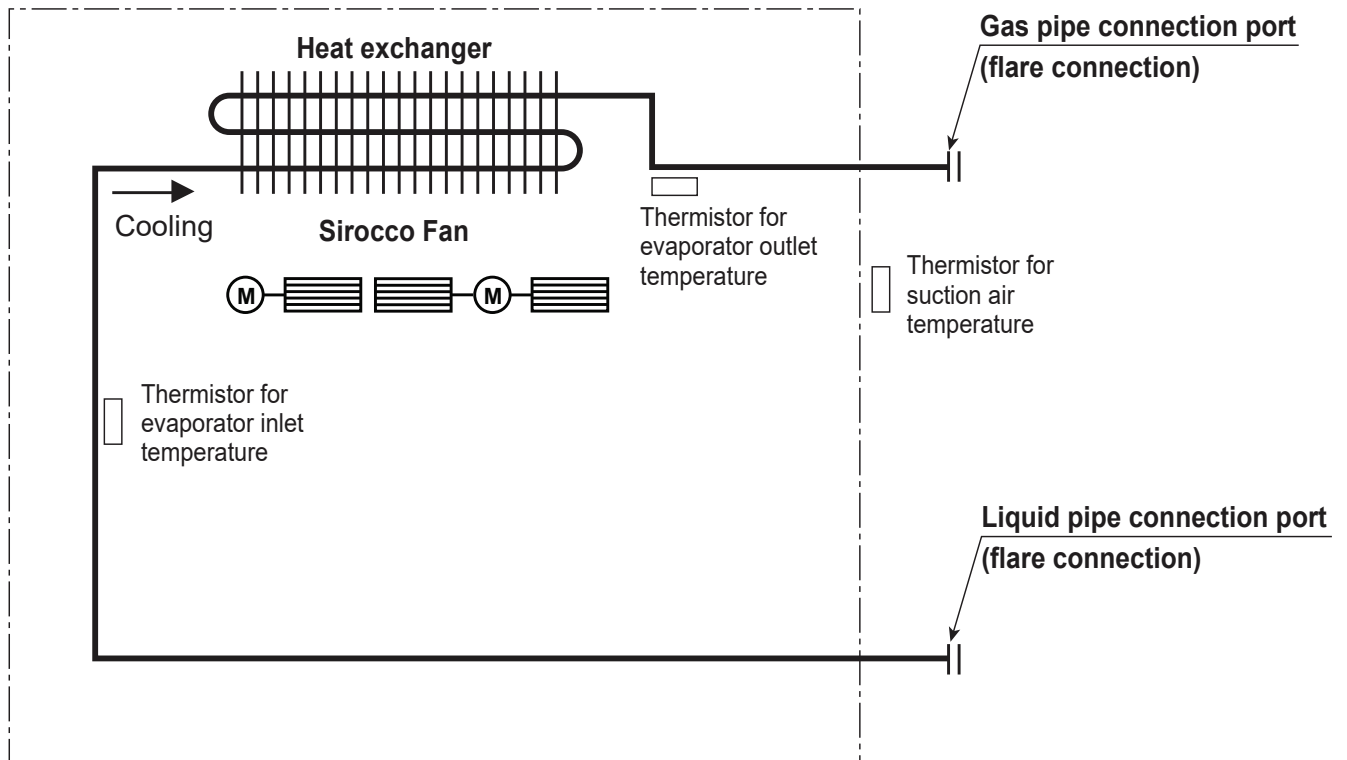
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

### 3. ZBNQ18GL2A0

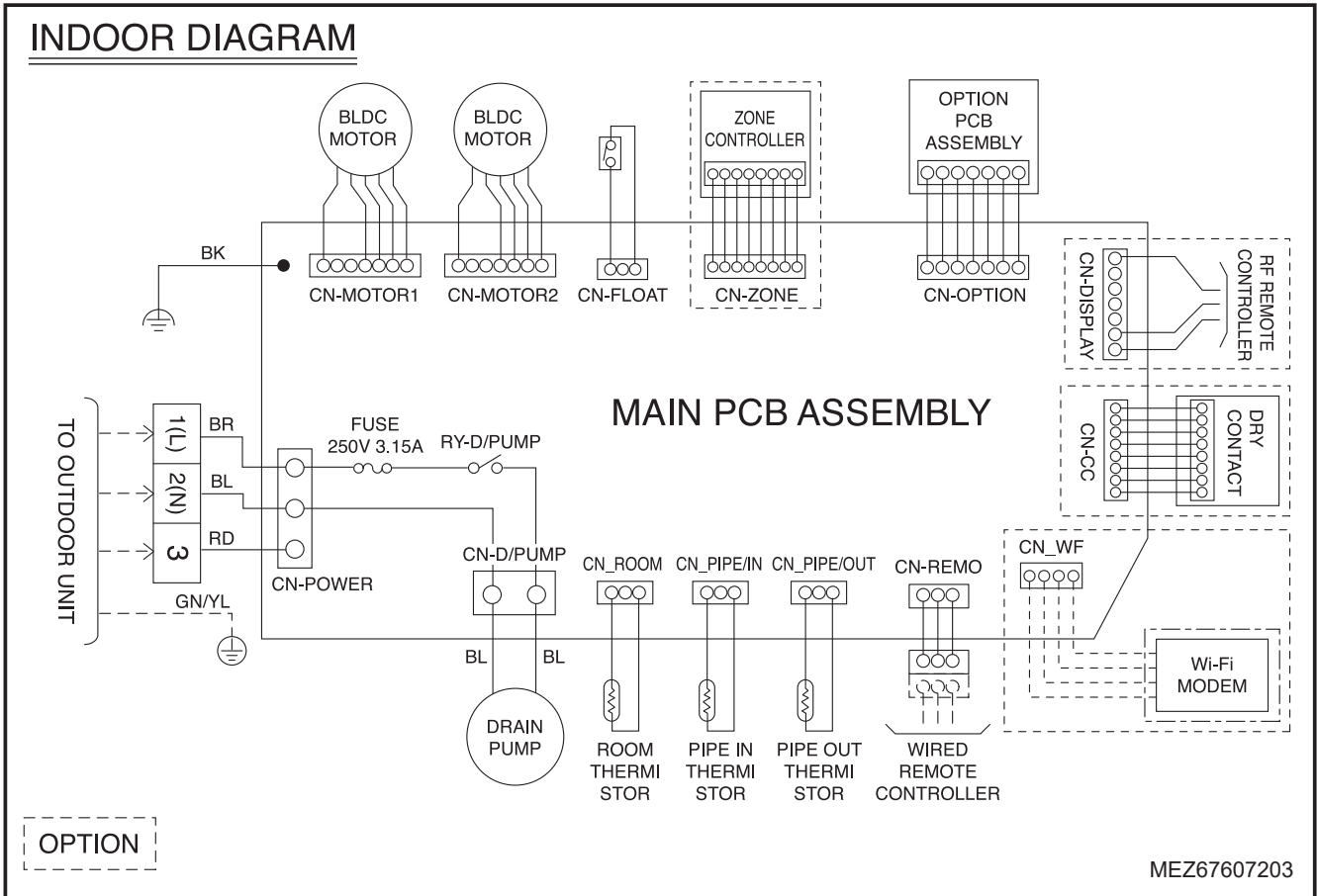
#### 3.5 Piping Diagrams

##### 3.5.1 Normal



3. ZBNQ18GL2A0

3.6 Wiring Diagrams

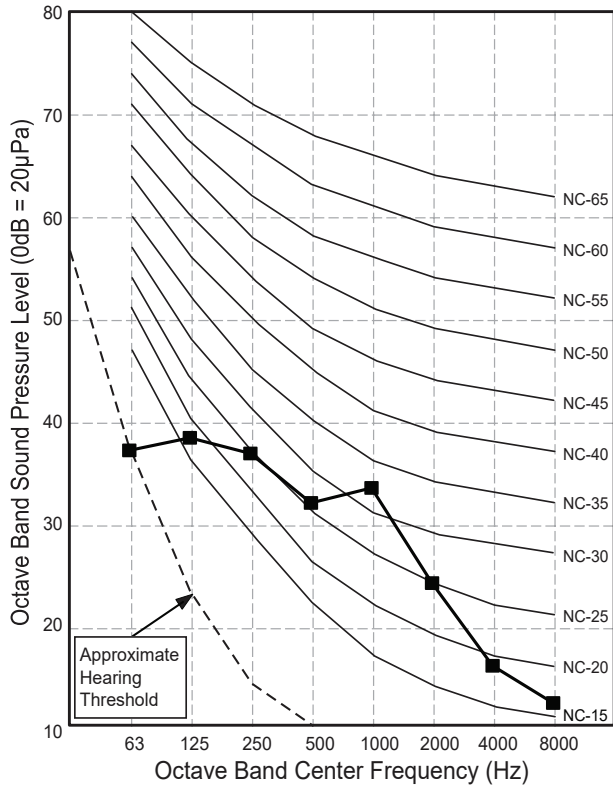




### 3. ZBNQ18GL2A0

#### 3.7 Sound Levels

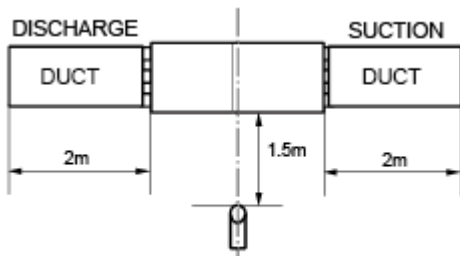
##### 3.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling((SH)/H/M/L)	- / 36.0 / 34.0 / 31.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



\* Measuring place : Anechoic chamber

### 3. ZBNQ18GL2A0

#### 3.8 Fan Performance data

##### 3.8.1 Table

Setting Value	Static Pressure [mmAq(Pa)]					
	0 (0)	1 (10)	2 (20)	3 (30)	4 (40)	5 (49)
	Air Flow Rate [m <sup>3</sup> /min]					
75	6.50	-	-	-	-	-
80	7.34	6.70	-	-	-	-
85	8.20	7.55	6.69	-	-	-
90	9.07	8.43	7.56	6.47	-	-
95	9.96	9.32	8.45	7.36	-	-
100	10.87	10.22	9.36	8.27	6.96	-
105	11.79	11.15	10.28	9.19	7.89	6.35
110	12.73	12.09	11.22	10.14	8.83	7.30
115	13.69	13.05	12.18	11.09	9.78	8.25
120	14.67	14.02	13.16	12.07	10.76	9.23
125	15.66	15.01	14.15	13.06	11.75	10.22
130	16.67	16.02	15.16	14.07	12.76	11.23
135	-	-	16.18	15.10	13.79	12.26
140	-	-	-	16.14	14.83	13.30
145	-	-	-	-	15.89	14.36

##### Note

- The above table shows the correlation between the air rates and E.S.P.
- The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
- The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.
- Refer to the installation manual included with the how to set E.S.P.

## 4. ZBNQ24GL3A0

## 4.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	L3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	150
Running Current	Maximum	A	1.0
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 20.0 / 16.0 / 12.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	40
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	19
		No.	2
Heat Exchanger	Rows x Columns x FPI	-	3 x 11 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.21
Dimensions	Net(W x H x D)	mm	1100 x 190 x 700
	Shipping(W x H x D)	mm	1262 x 255 x 781
Weight	Net	kg	27.0
	Shipping	kg	31.0
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø 32.0 / 25.0
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-39/35/32
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.0
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 4. ZBNQ24GL3A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 4. ZBNQ24GL3A0

## 4.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	X
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O (Embedded)
	Auto E.S.P. Control*	X
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 4. ZBNQ24GL3A0

## 4.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	X
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

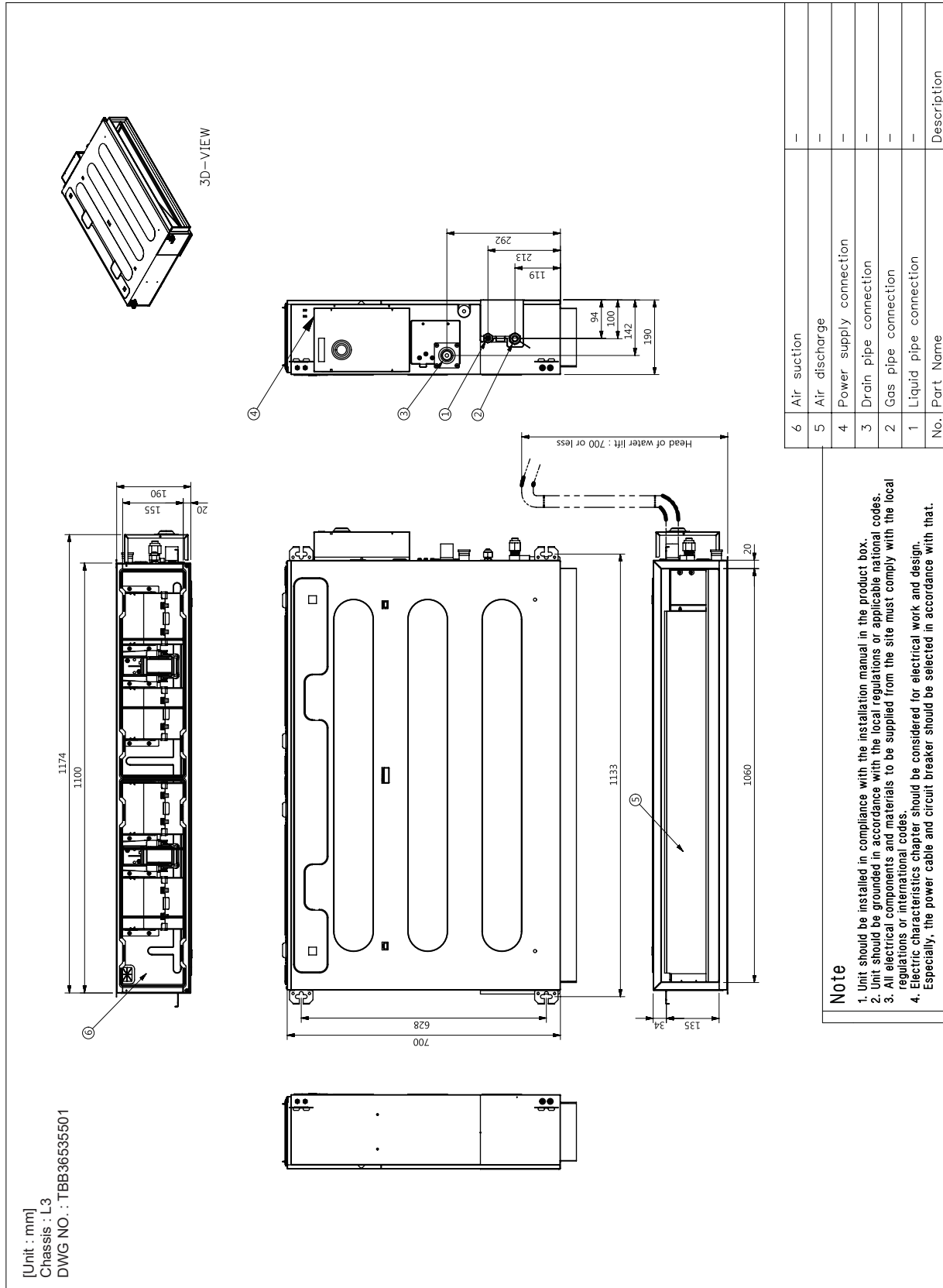
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

4. ZBNQ24GL3A0

4.4 Dimensions

4.4.1 Product

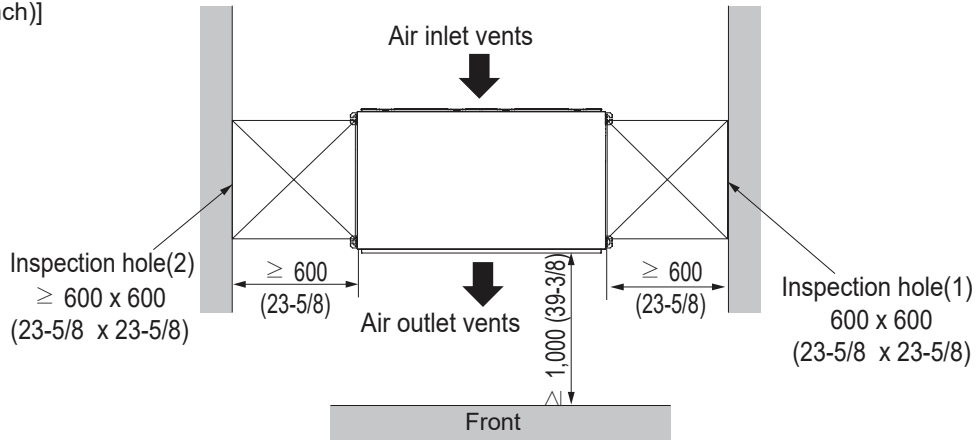


4. ZBNQ24GL3A0

4.4.2 Install Space

Top view

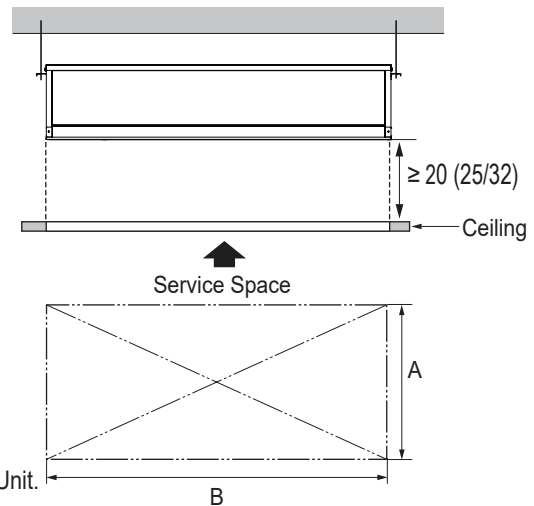
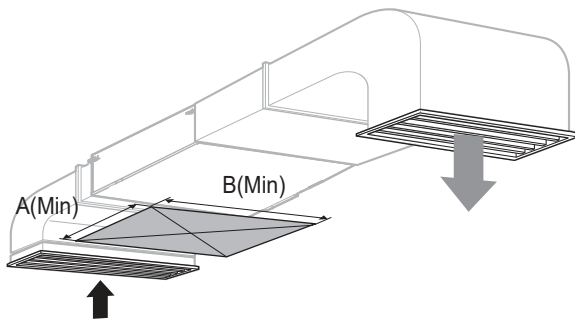
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

Note

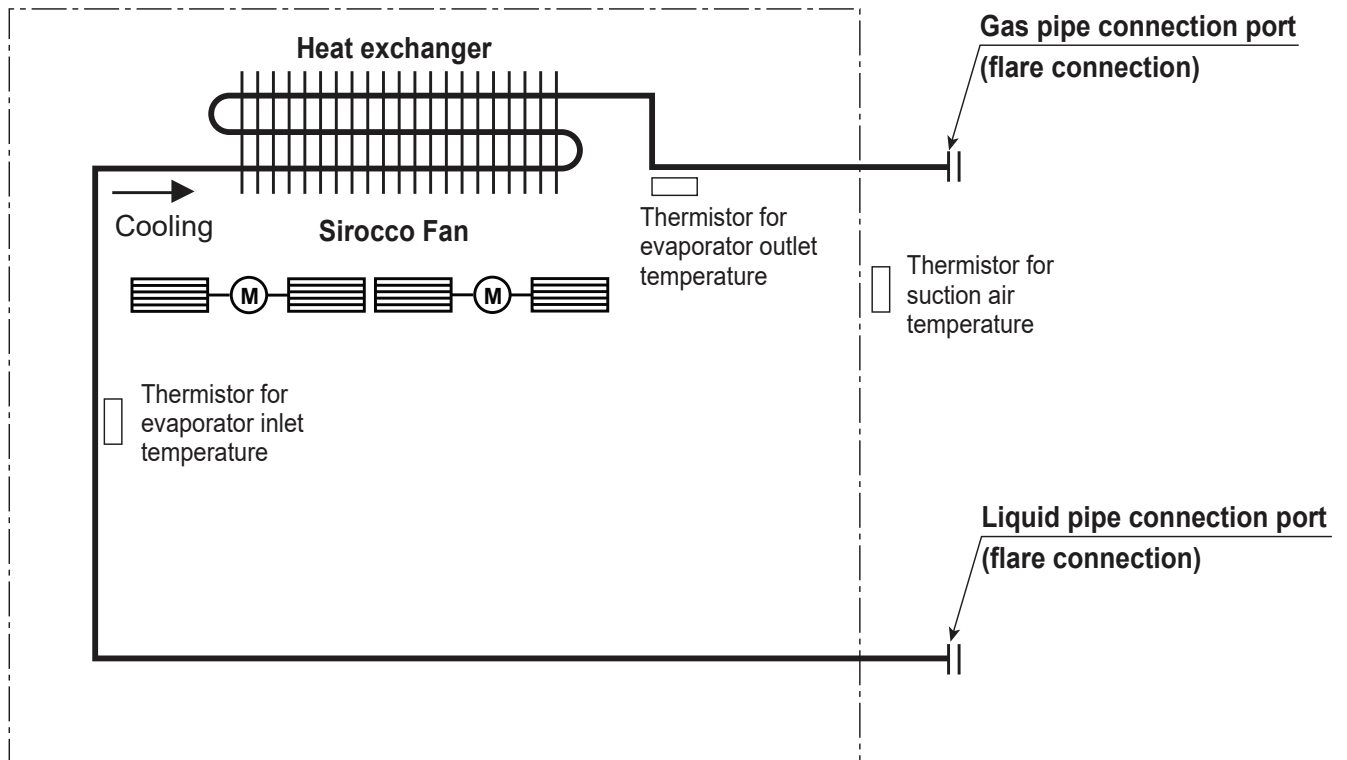
- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.



### 4. ZBNQ24GL3A0

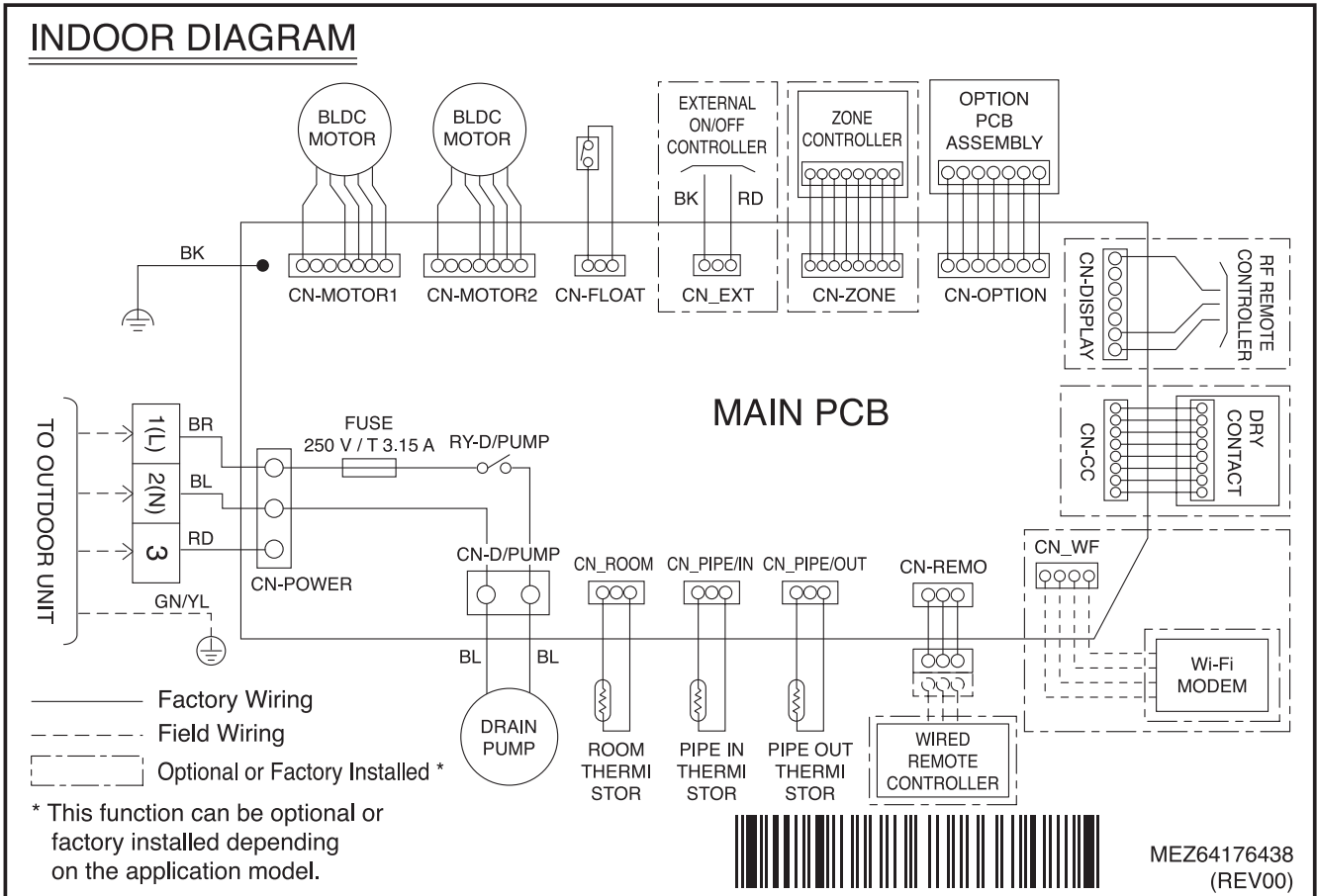
#### 4.5 Piping Diagrams

##### 4.5.1 Normal



4. ZBNQ24GL3A0

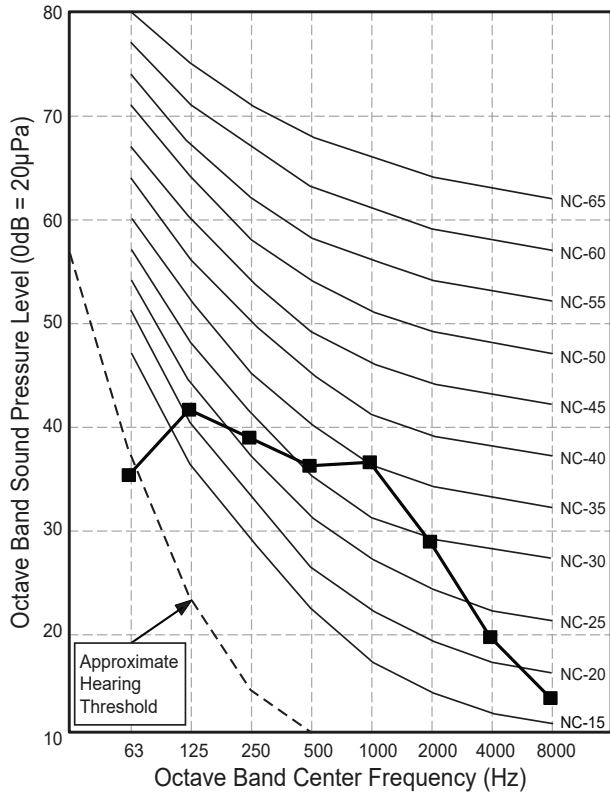
4.6 Wiring Diagrams



4. ZBNQ24GL3A0

4.7 Sound Levels

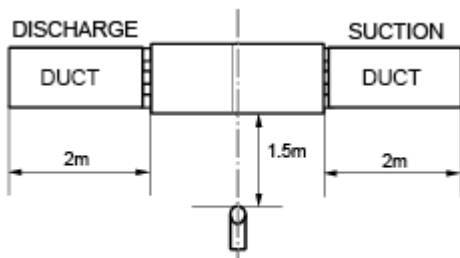
4.7.1 Pressure Levels



Sound Level [dB(A), @24.5 Pa]	
Cooling((SH)/H/M/L)	- / 46.0 / 44.0 / 42.0

Note

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.



\* Measuring place : Anechoic chamber

## 4. ZBNQ24GL3A0

### 4.8 Fan Performance data

#### 4.8.1 Table

Setting Value	Static Pressure [mmAq(Pa)]					
	0 (0)	1 (10)	2 (20)	3 (30)	4 (40)	5 (50)
	Air Flow Rate [m <sup>3</sup> /min]					
85	10.19	-	-	-	-	-
90	12.18	10.71	11.09	-	-	-
95	13.81	12.34	12.19	-	-	-
100	15.16	13.69	13.38	10.71	-	-
105	16.30	14.83	14.36	11.85	-	-
110	17.31	15.85	15.23	12.86	10.97	-
115	18.27	16.80	16.07	13.82	11.93	-
120	19.26	17.79	16.93	14.80	12.91	10.49
125	20.34	18.87	17.89	15.88	13.99	11.57
130	21.60	20.13	19.01	17.14	15.25	12.83
135	-	21.64	20.36	18.66	16.76	14.35
140	-	-	22.01	20.50	18.61	16.19
145	-	-	-	22.75	20.86	18.44

#### Note

- The above table shows the correlation between the air rates and E.S.P.
- The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
- The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.
- Refer to the installation manual included with the how to set E.S.P.

## 1. ZBNQ18GM1A0

## 1.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	M1
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	150
Running Current	Maximum	A	1.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 16.5 / 14.5 / 13.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	59
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	136.5
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 13 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.21
Dimensions	Net(W x H x D)	mm	900 x 270 x 700
	Shipping(W x H x D)	mm	1100 x 338 x 773
Weight	Net	kg	23.8
	Shipping	kg	28.9
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	25.4/20.4
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	32/25
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ12.7 (1/2)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 34.0 / 32.0 / 30.0
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.6
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 1. ZBNQ18GM1A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 1. ZBNQ18GM1A0

## 1.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	Accessory
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	Accessory (ABDPG)
	Auto E.S.P. Control*	O
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not applied, Embedded : Included with product.
  - Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
  - Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.

## 1. ZBNQ18GM1A0

## 1.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	O
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	X
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	O
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

**Note**

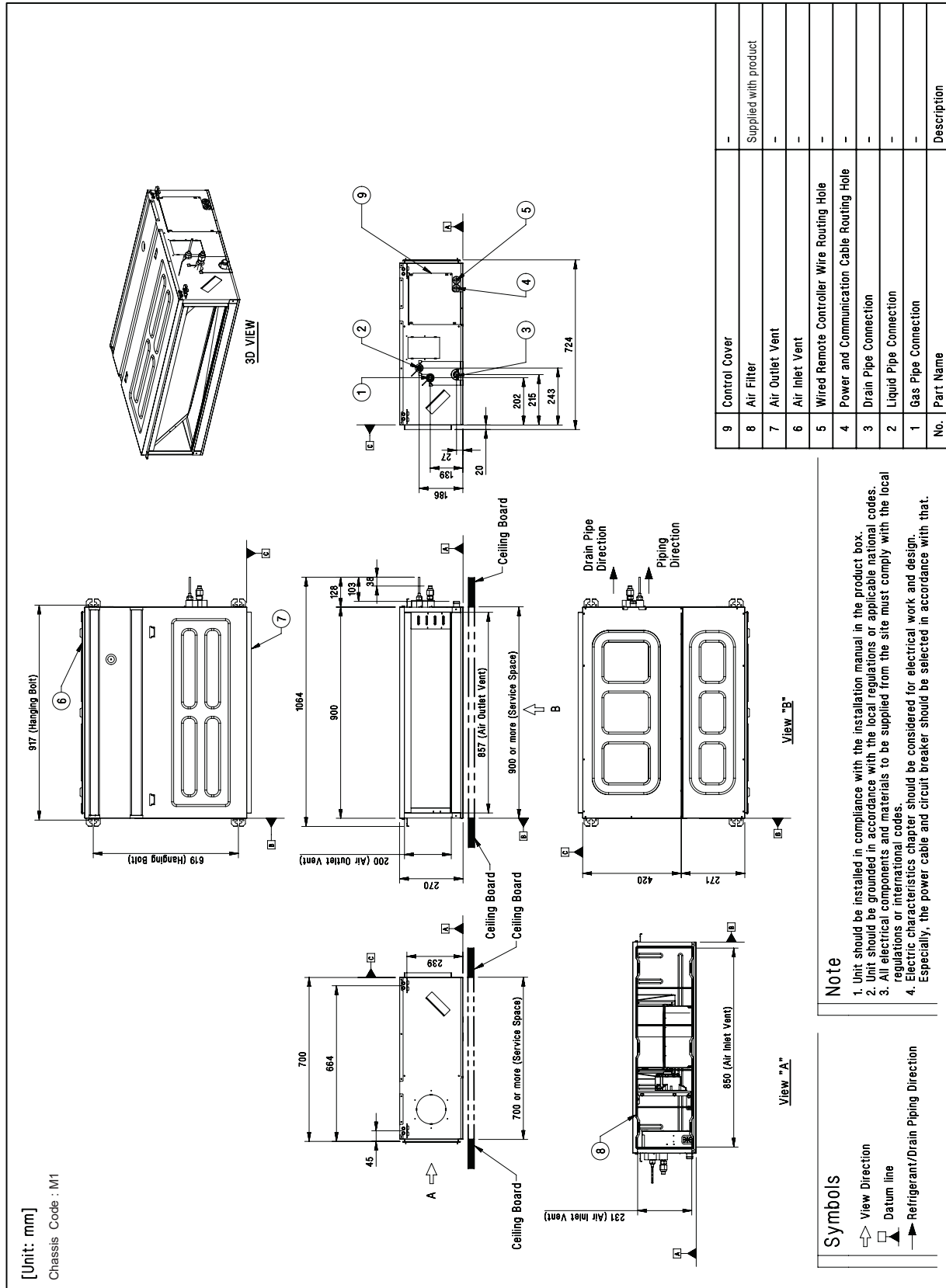
- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).



1. ZBNQ18GM1A0

1.4 Dimensions

1.4.1 Product



Note

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electric characteristics chapter should be considered for electrical work and design. Especially, the power cable and circuit breaker should be selected in accordance with that.

Symbols

- View Direction
- Datum line
- Refrigerant/Drain Piping Direction

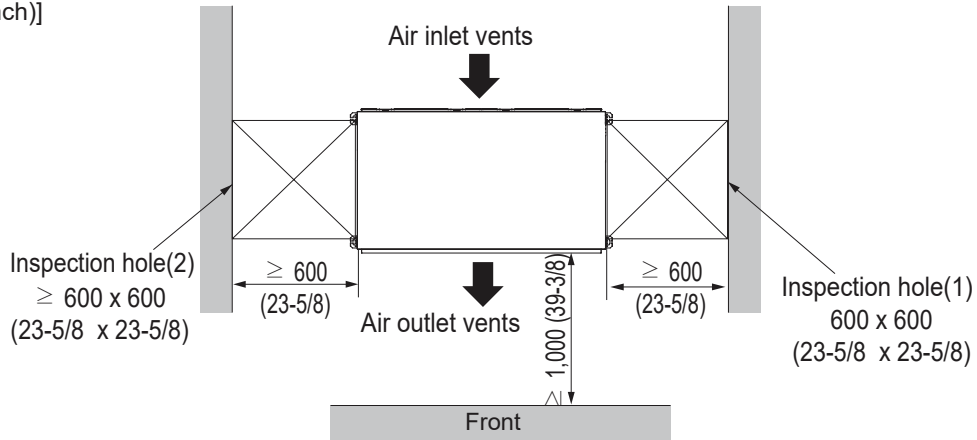
[Unit: mm]  
Chassis Code : M1

1. ZBNQ18GM1A0

1.4.2 Install Space

Top view

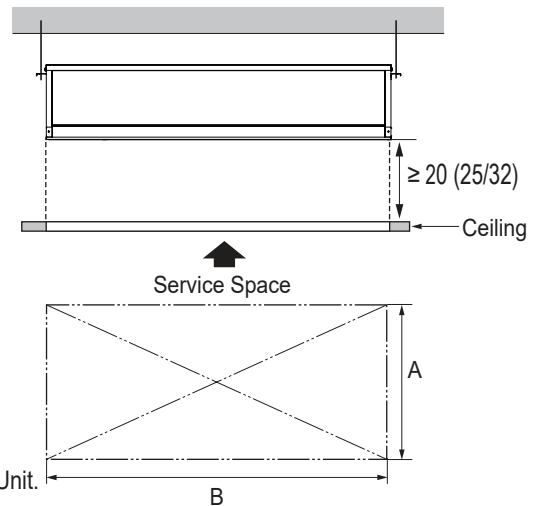
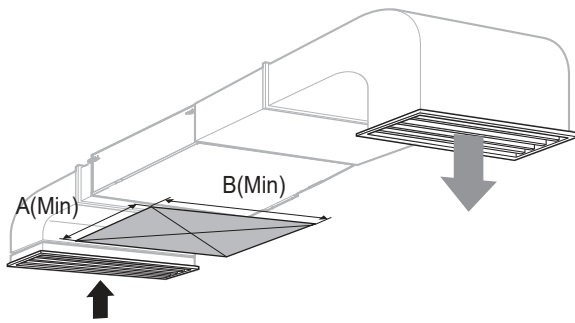
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

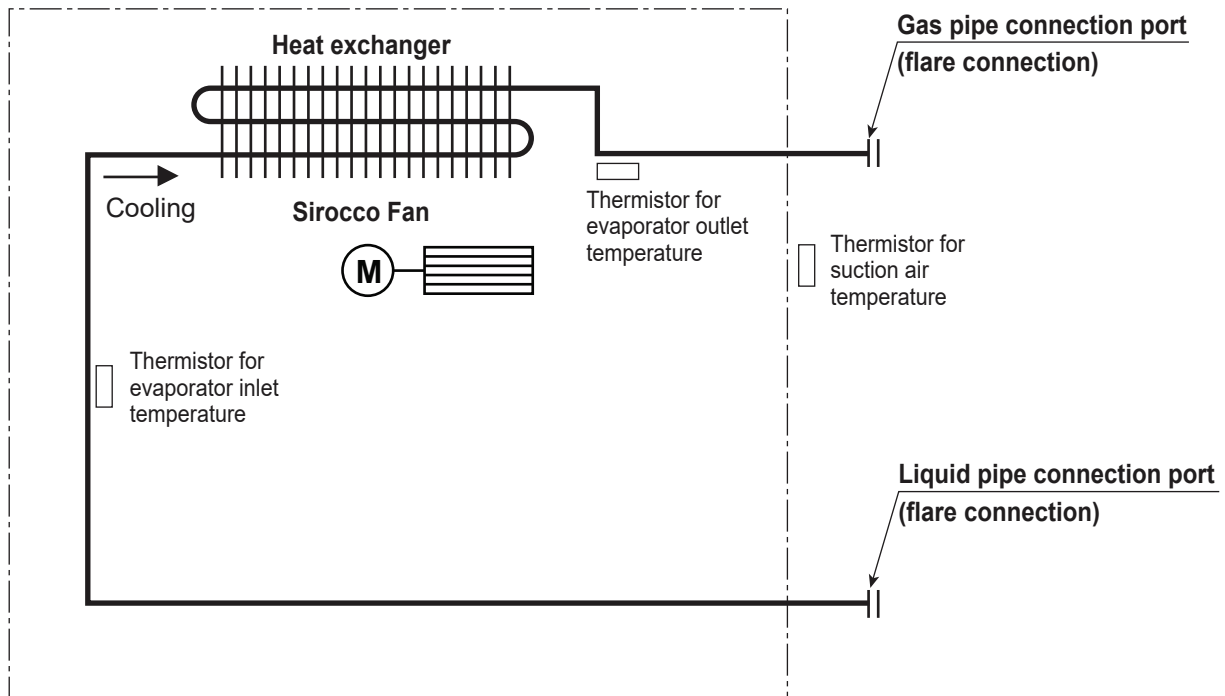
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

# 1. ZBNQ18GM1A0

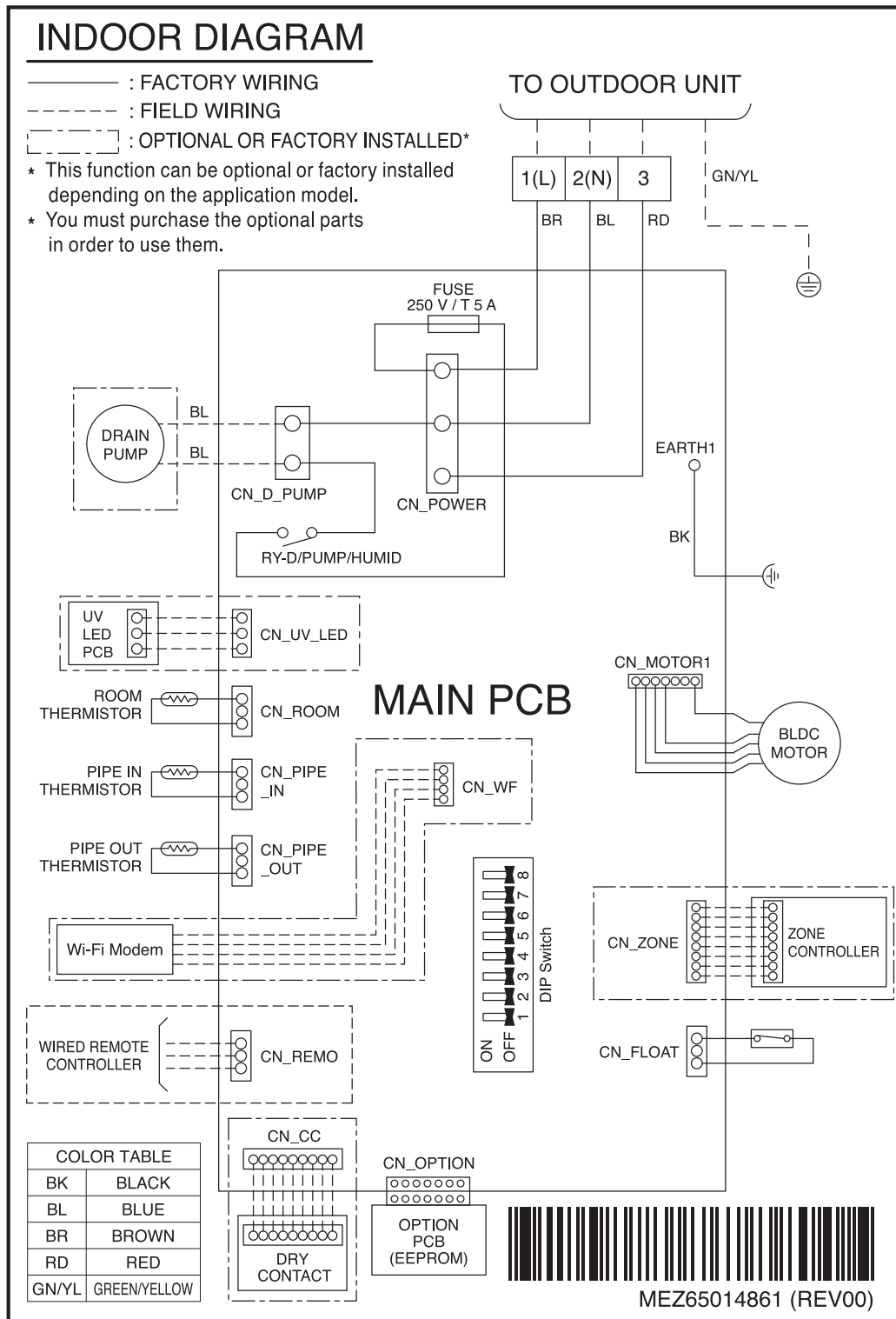
## 1.5 Piping Diagrams

### 1.5.1 Normal



1. ZBNQ18GM1A0

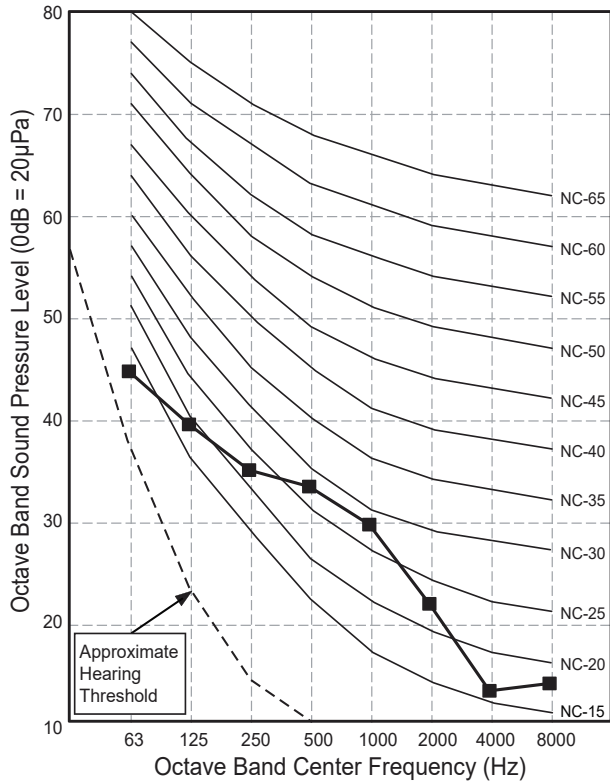
1.6 Wiring Diagrams



# 1. ZBNQ18GM1A0

## 1.7 Sound Levels

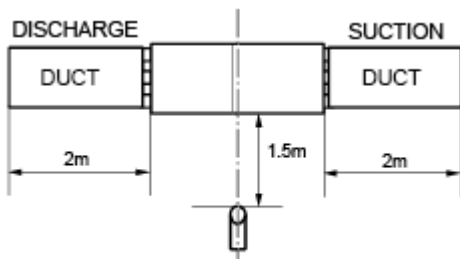
### 1.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling ((SH)/H/M/L)	- / 34.0 / 32.0 / 30.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

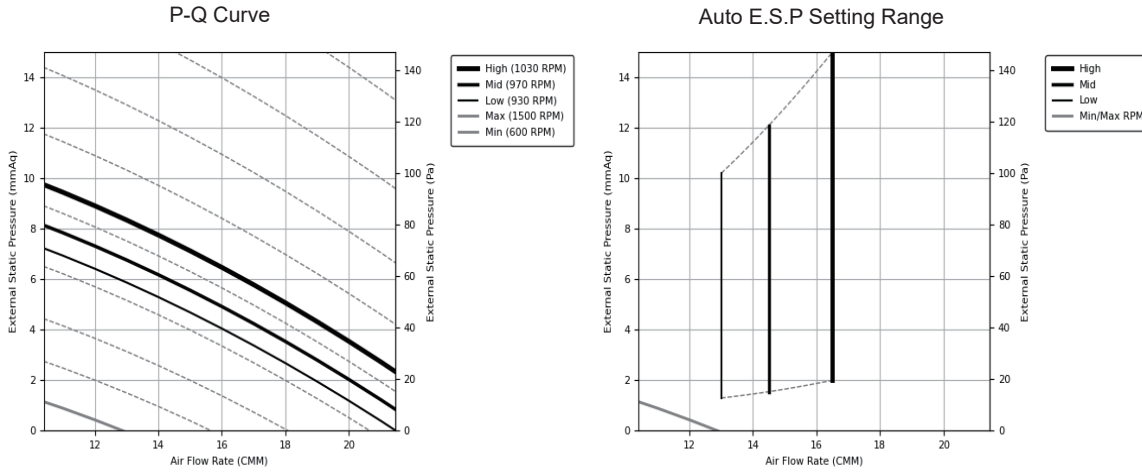


\* Measuring place : Anechoic chamber

1. ZBNQ18GM1A0

1.8 Fan Performance data

1.8.1 PQ Curve



Note

- Each dash line represents for each 100 RPM step
- If operation range is out of auto E.S.P setting range, air flow rate should be adjusted manually by wired remotecontroller. (ESP Set Value = RPM / 10)  
For more information, please see the installation manual.
- The above P-Q Curve shows available E.S.P. range. If the E.S.P. value is out of min/max RPM at desired air flow, indoor components could be failed and performance would be decreased.
- Automatic constant air volume is a function that controls air volume automatically when installation, and the air volume is not set automatically during operation.

## 2. ZBNQ24GM1A0

### 2.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	M1
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	180
Running Current	Maximum	A	1.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 18.0 / 16.5 / 14.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	59
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	136.5
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 13 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.21
Dimensions	Net(W x H x D)	mm	900 x 270 x 700
	Shipping(W x H x D)	mm	1100 x 338 x 773
Weight	Net	kg	25.3
	Shipping	kg	30.3
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	25.4/20.4
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	32/25
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-37/35/32
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.6
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

#### Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 2. ZBNQ24GM1A0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.



**2. ZBNQ24GM1A0****2.2 List of Functions**

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	Accessory
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	Accessory (ABDPG)
	Auto E.S.P. Control*	O
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not applied, Embedded : Included with product.
  - Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
  - Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.

## 2. ZBNQ24GM1A0

## 2.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	O
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	X
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	O
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

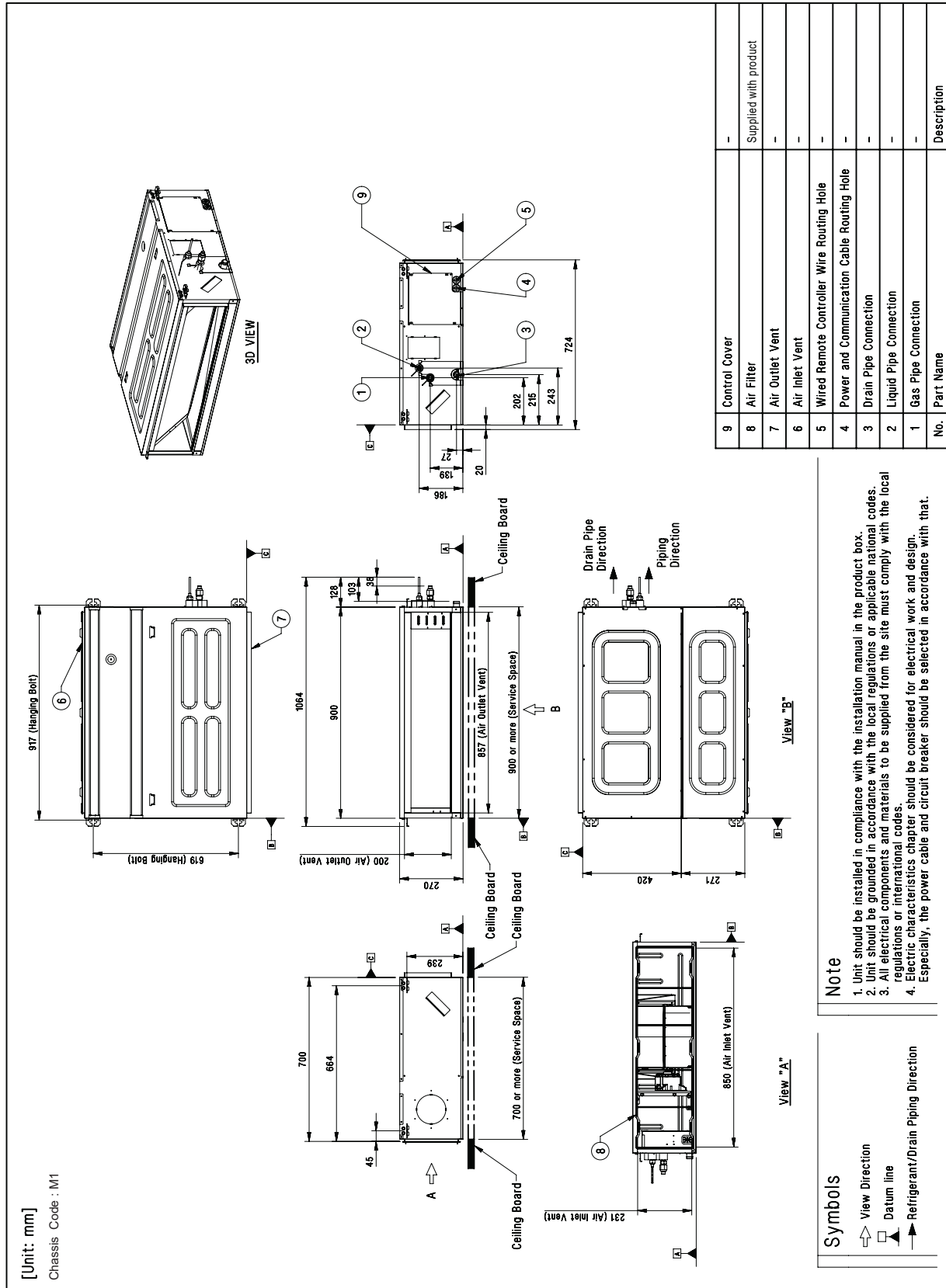
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

2. ZBNQ24GM1A0

2.4 Dimensions

2.4.1 Product



Note

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electric characteristics chapter should be considered for electrical work and design. Especially, the power cable and circuit breaker should be selected in accordance with that.

Symbols

- View Direction
- Datum line
- Refrigerant/Drain Piping Direction

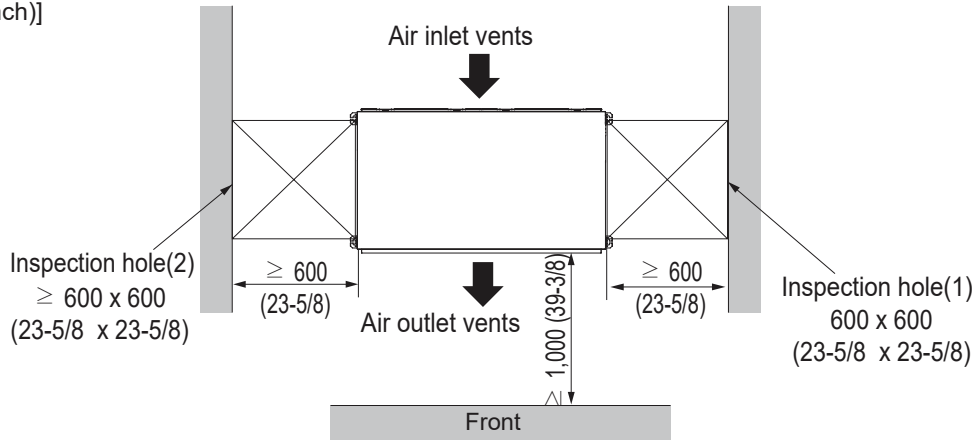
[Unit: mm]  
Chassis Code : M1

2. ZBNQ24GM1A0

2.4.2 Install Space

Top view

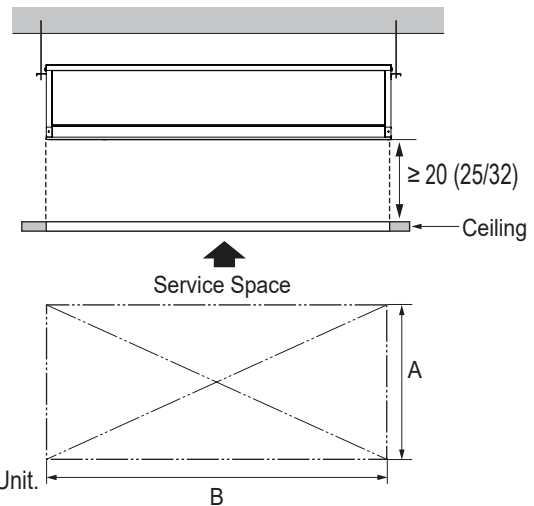
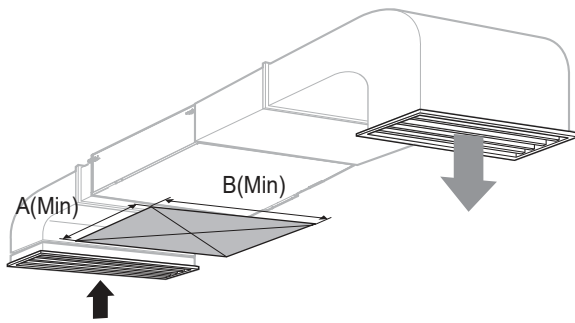
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

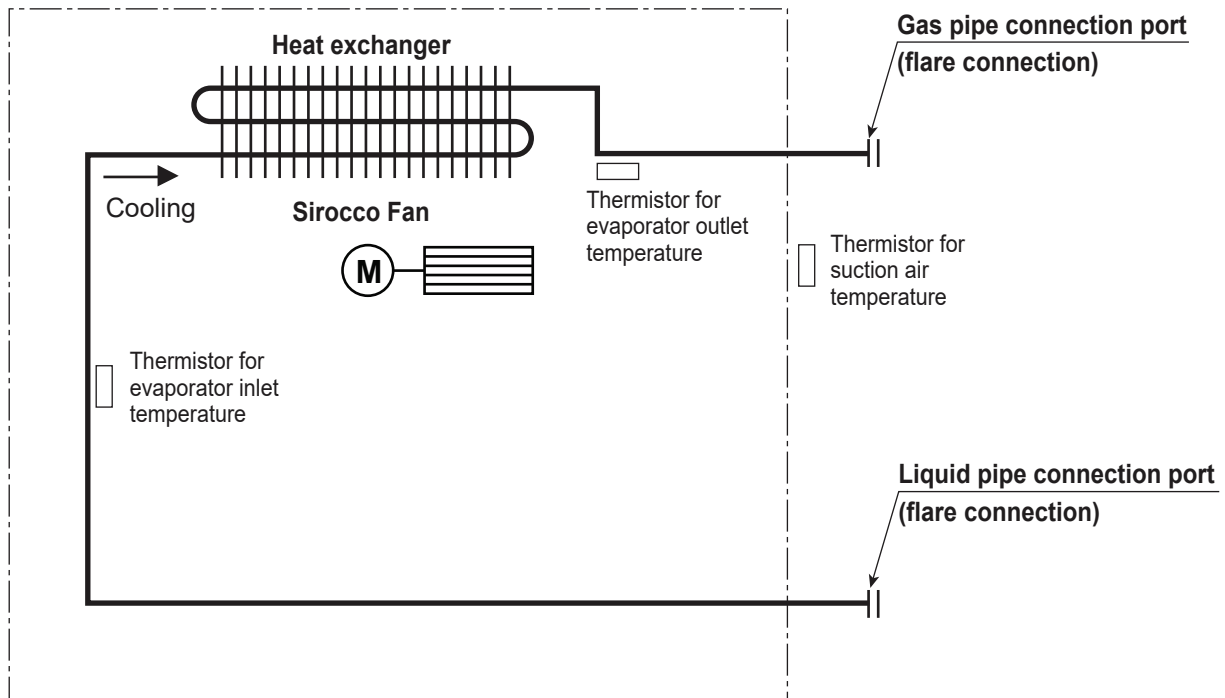
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

## 2. ZBNQ24GM1A0

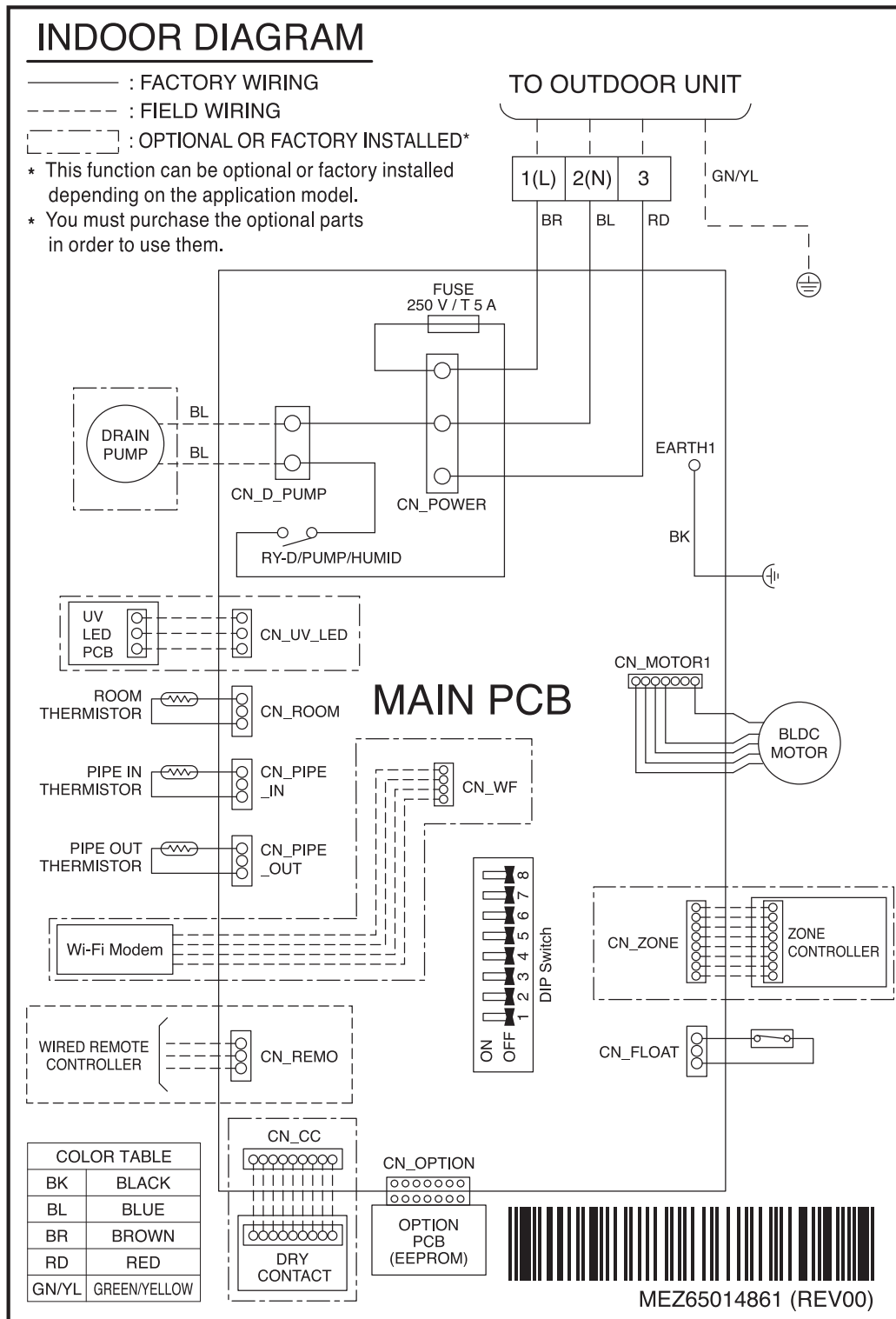
### 2.5 Piping Diagrams

#### 2.5.1 Normal



2. ZBNQ24GM1A0

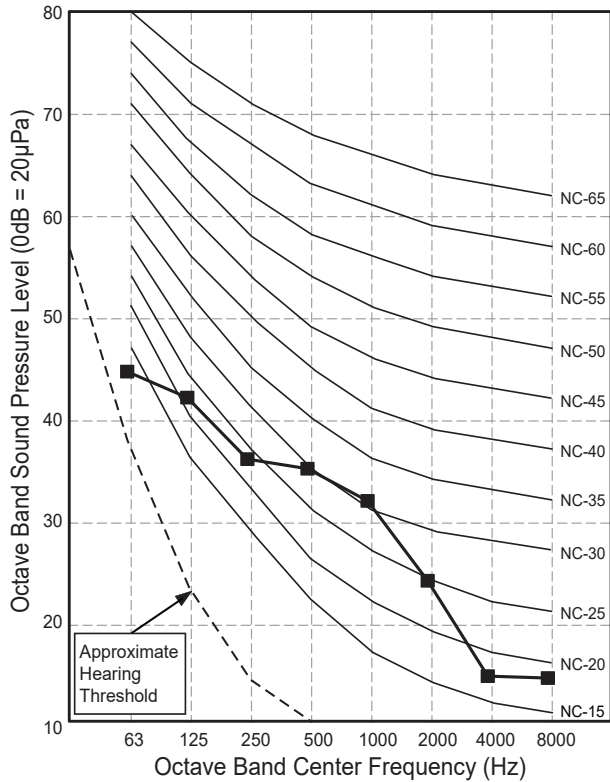
2.6 Wiring Diagrams



## 2. ZBNQ24GM1A0

### 2.7 Sound Levels

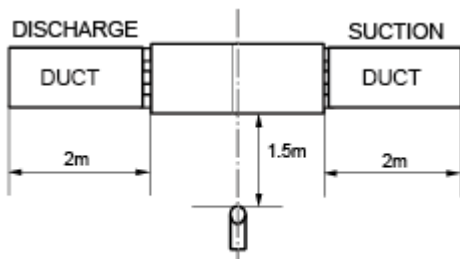
#### 2.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling ((SH)/H/M/L)	- / 37.0 / 35.0 / 32.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

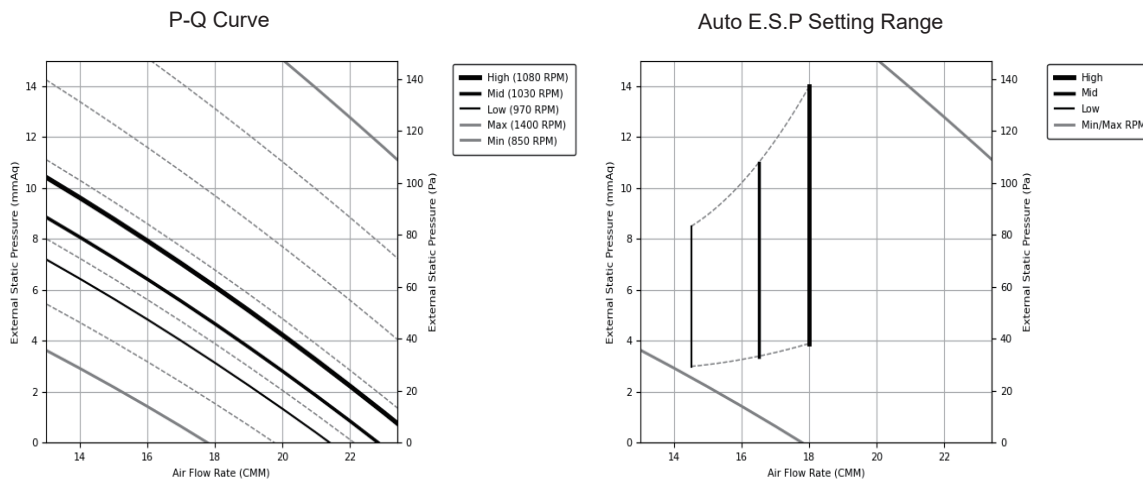


\* Measuring place : Anechoic chamber

## 2. ZBNQ24GM1A0

### 2.8 Fan Performance data

#### 2.8.1 PQ Curve



**Note**

- Each dash line represents for each 100 RPM step
- If operation range is out of auto E.S.P setting range, air flow rate should be adjusted manually by wired remotecontroller. (ESP Set Value = RPM / 10)  
For more information, please see the installation manual.
- The above P-Q Curve shows available E.S.P. range. If the E.S.P value is out of min/max RPM at desired air flow, indoor components could be failed and performance would be decreased.
- Automatic constant air volume is a function that controls air volume automatically when installation, and the air volume is not set automatically during operation.



## 3. ZBNQ36GM3A0

## 3.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	M3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	220
Running Current	Maximum	A	2.5
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 30.0 / 25.0 / 20.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	59
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	154
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 16 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.31
Dimensions	Net(W x H x D)	mm	1250 x 360 x 700
	Shipping(W x H x D)	mm	1450 x 428 x 773
Weight	Net	kg	36
	Shipping	kg	42.5
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	25.4/20.4
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 36 / 33 / 31
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	2.5
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 3. ZBNQ36GM3A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

### 3. ZBNQ36GM3A0

#### 3.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	Accessory
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	Accessory (ABDPG)
	Auto E.S.P. Control*	O
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

#### Note

- O : Applied, X : Not applied, Embedded : Included with product.
  - Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
  - Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.

## 3. ZBNQ36GM3A0

## 3.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
		PWLSSB21H	For Heat pump	X
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	O
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	O
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

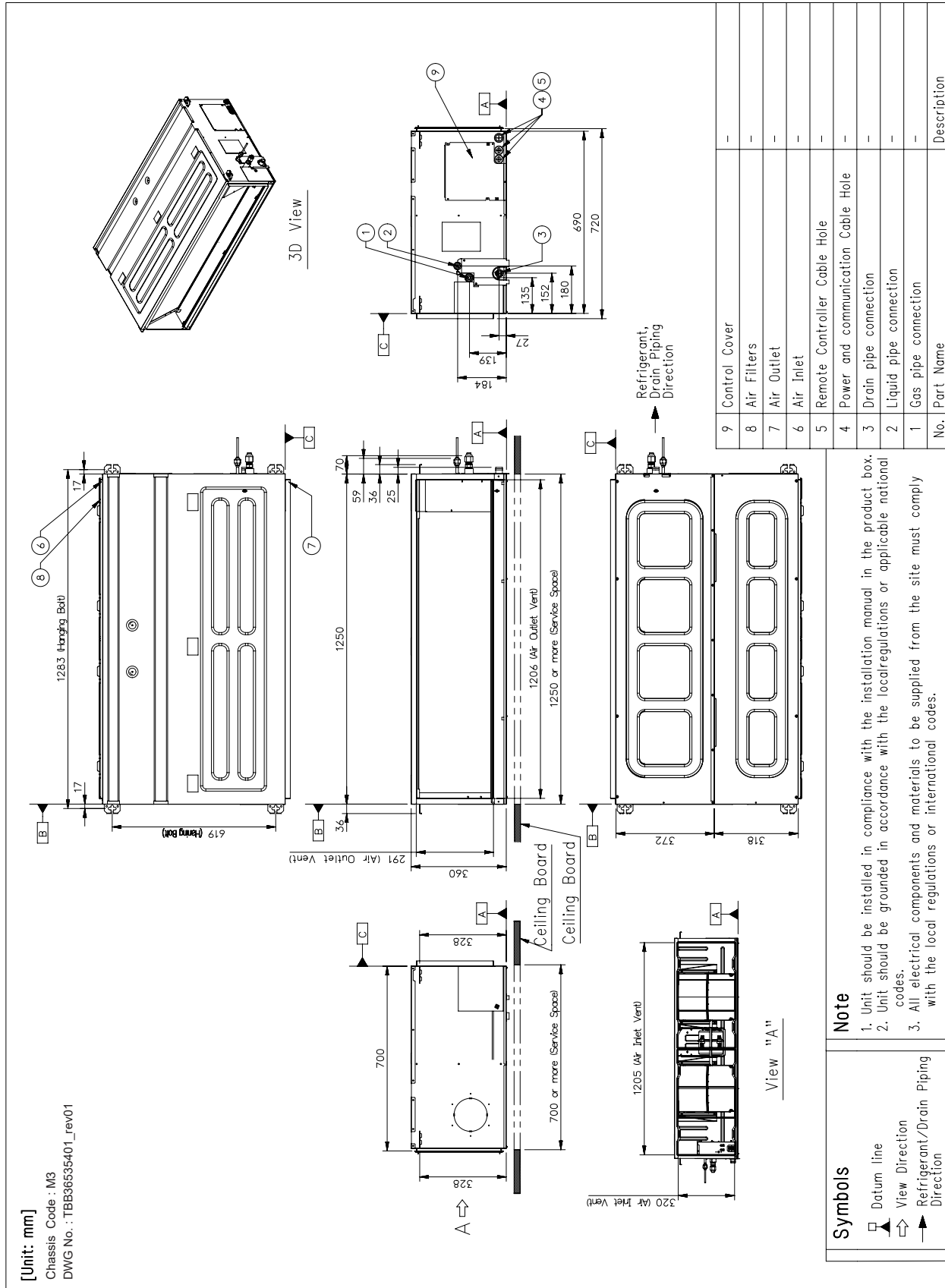
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

3. ZBNQ36GM3A0

3.4 Dimensions

3.4.1 Product

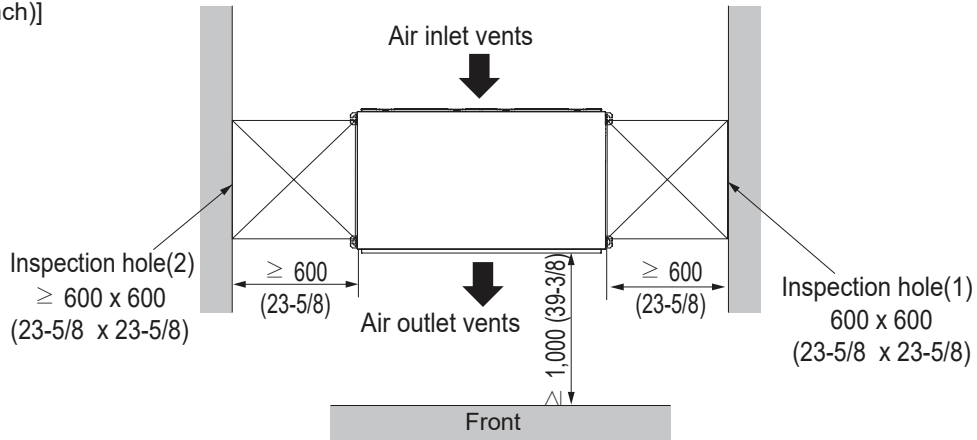


3. ZBNQ36GM3A0

3.4.2 Install Space

Top view

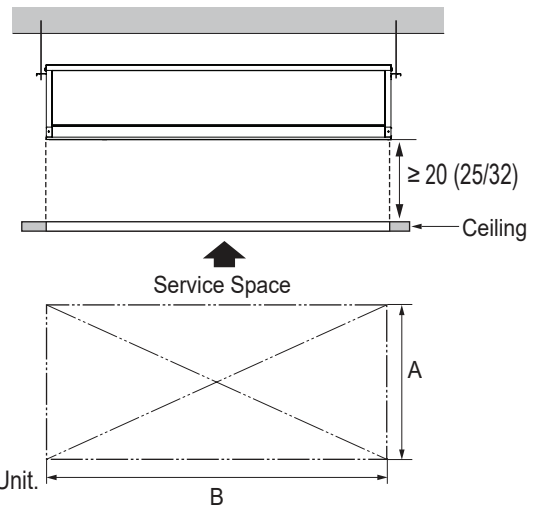
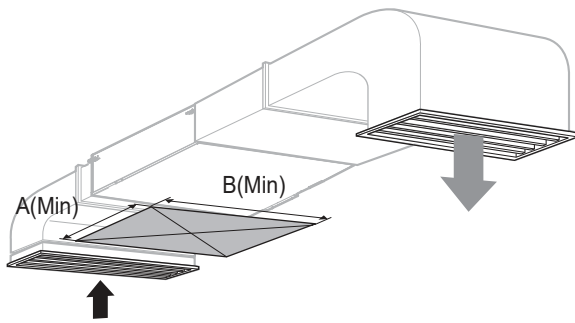
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

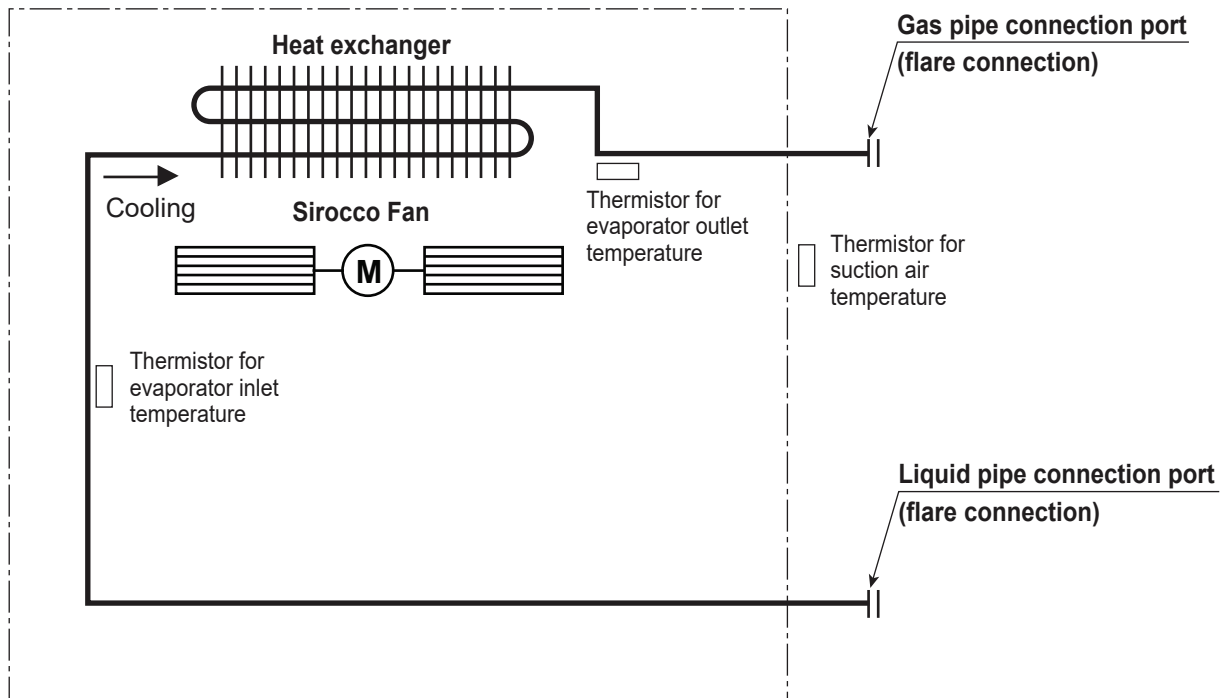
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

### 3. ZBNQ36GM3A0

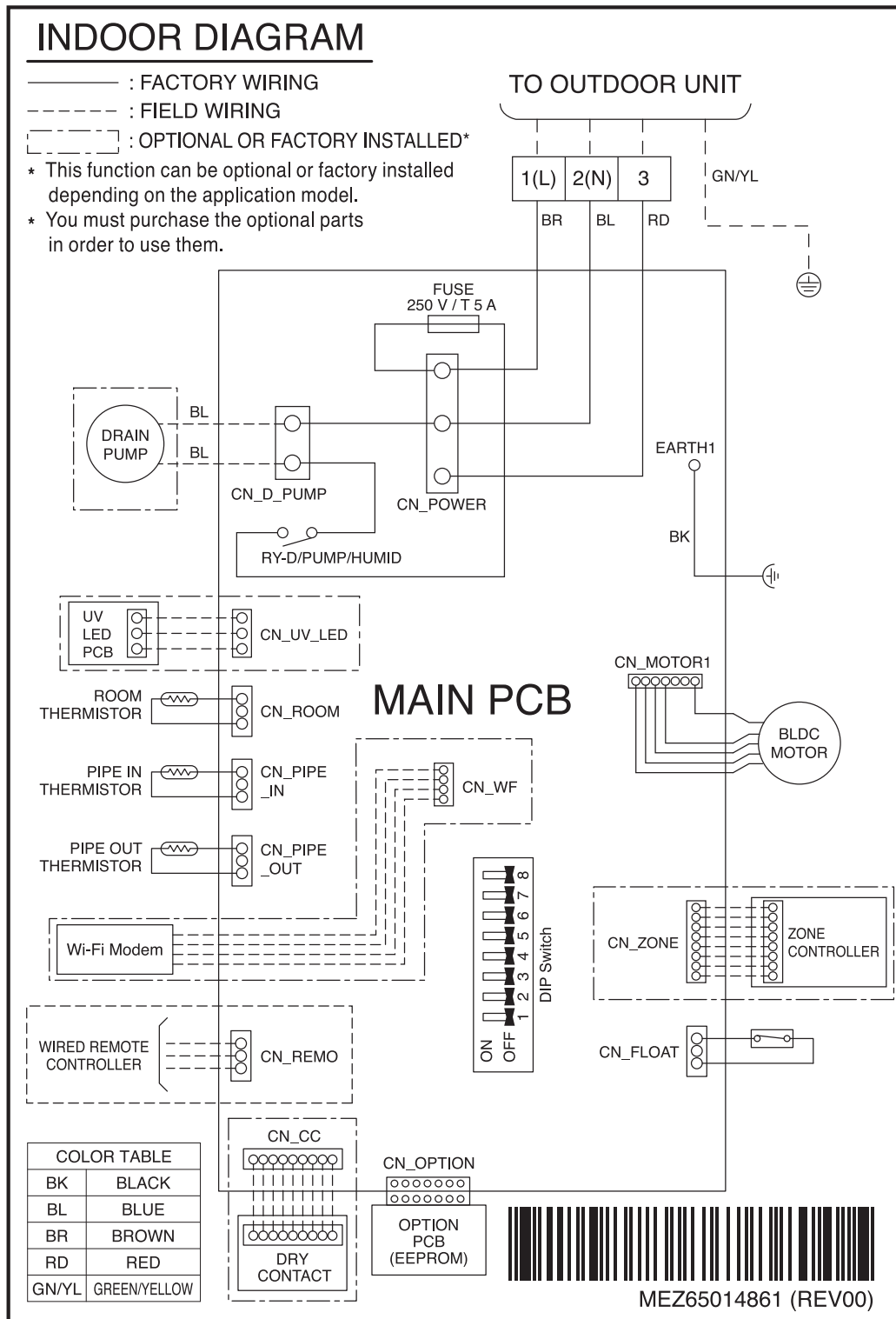
#### 3.5 Piping Diagrams

##### 3.5.1 Normal



3. ZBNQ36GM3A0

3.6 Wiring Diagrams

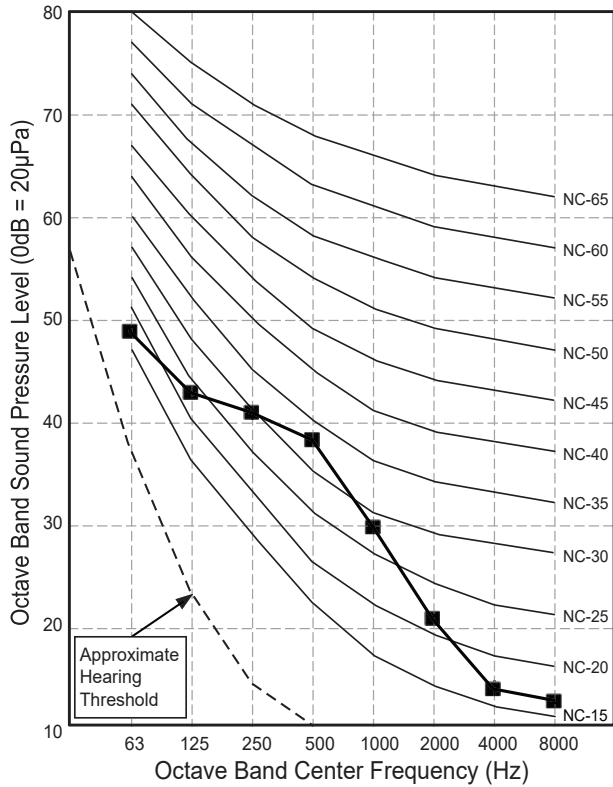




### 3. ZBNQ36GM3A0

#### 3.7 Sound Levels

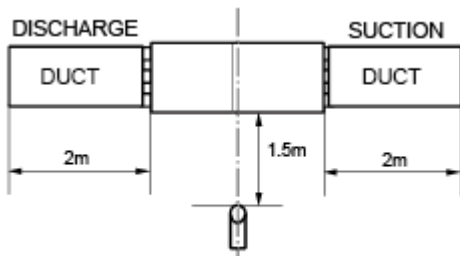
##### 3.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling ((SH)/H/M/L)	- / 36.0 / 33.0 / 31.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.

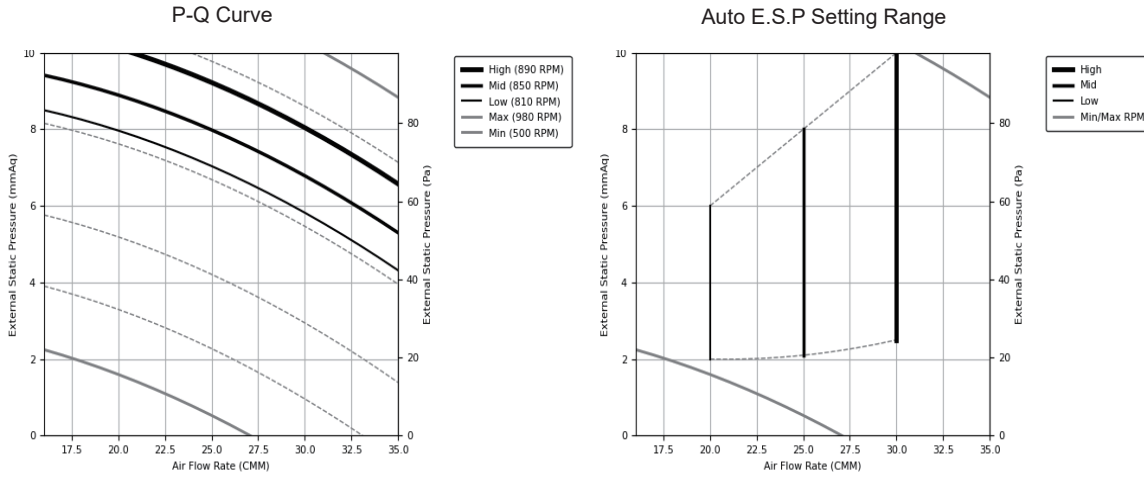


\* Measuring place : Anechoic chamber

3. ZBNQ36GM3A0

3.8 Fan Performance data

3.8.1 PQ Curve



Note

- Each dash line represents for each 100 RPM step
- If operation range is out of auto E.S.P setting range, air flow rate should be adjusted manually by wired remotecontroller. (ESP Set Value = RPM / 10)  
For more information, please see the installation manual.
- The above P-Q Curve shows available E.S.P. range. If the E.S.P value is out of min/max RPM at desired air flow, indoor components could be failed and performance would be decreased.
- Automatic constant air volume is a function that controls air volume automatically when installation, and the air volume is not set automatically during operation.

## 4. ZBNQ36LM3A0

## 4.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	M3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	220
Running Current	Maximum	A	2.5
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 30.0 / 25.0 / 20.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	59
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	154
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 16 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.31
Dimensions	Net(W x H x D)	mm	1250 x 360 x 700
	Shipping(W x H x D)	mm	1450 x 428 x 773
Weight	Net	kg	36
	Shipping	kg	42.5
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	25.4/20.4
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 36 / 33 / 31
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	2.5
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 4. ZBNQ36LM3A0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 4. ZBNQ36LM3A0

## 4.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	Accessory
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	Accessory (ABDPG)
	Auto E.S.P. Control*	O
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not applied, Embedded : Included with product.
  - Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
  - Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.

## 4. ZBNQ36LM3A0

## 4.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	O
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	O
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

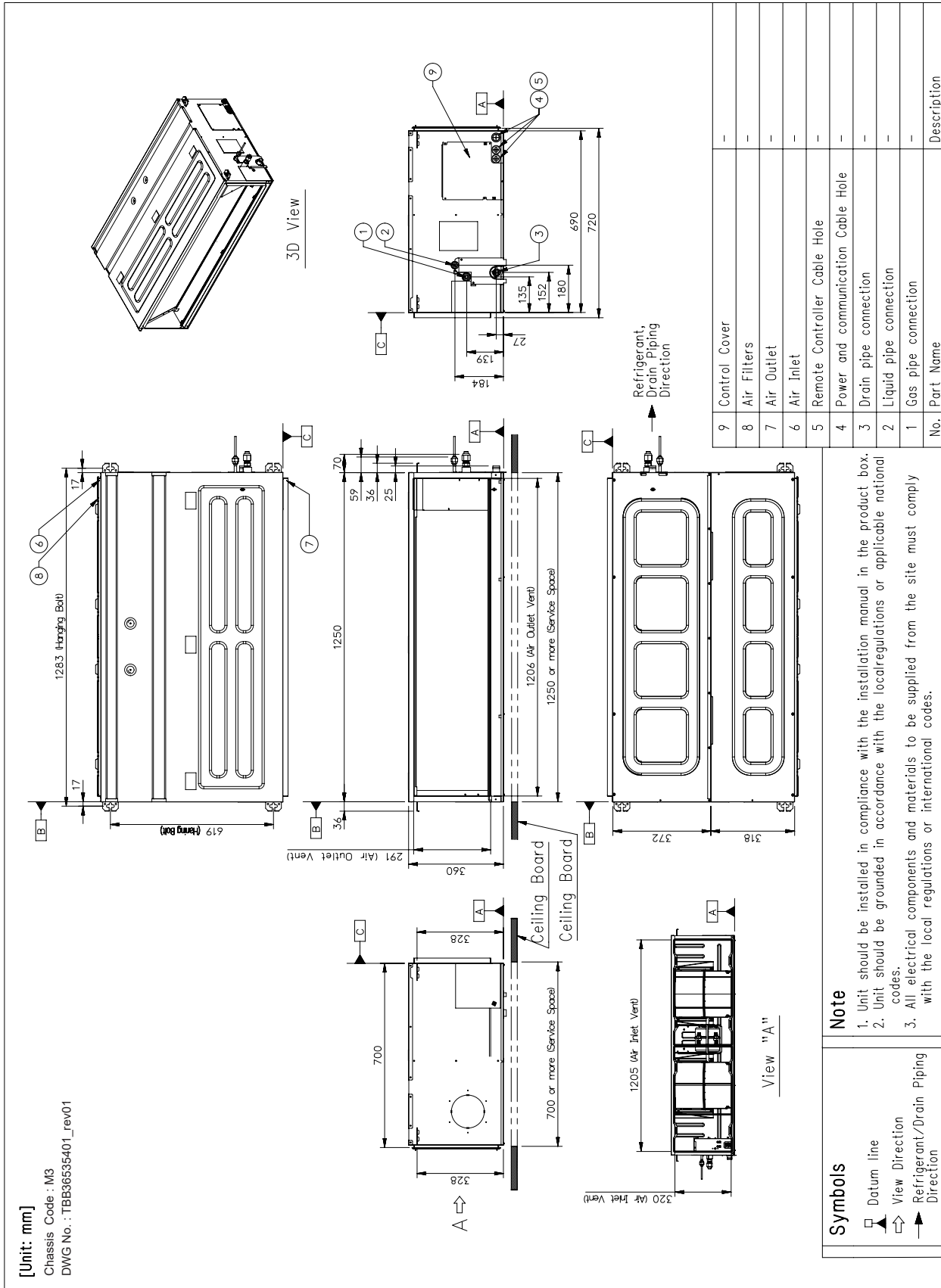
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

4. ZBNQ36LM3A0

4.4 Dimensions

4.4.1 Product

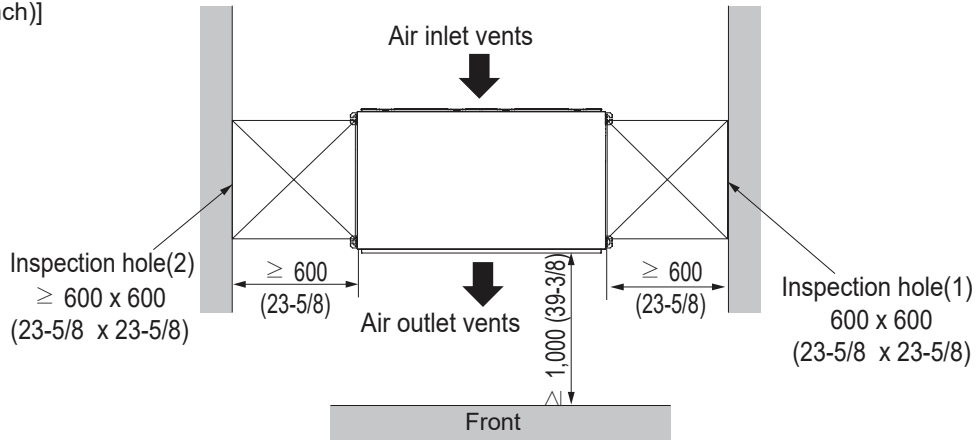


4. ZBNQ36LM3A0

4.4.2 Install Space

Top view

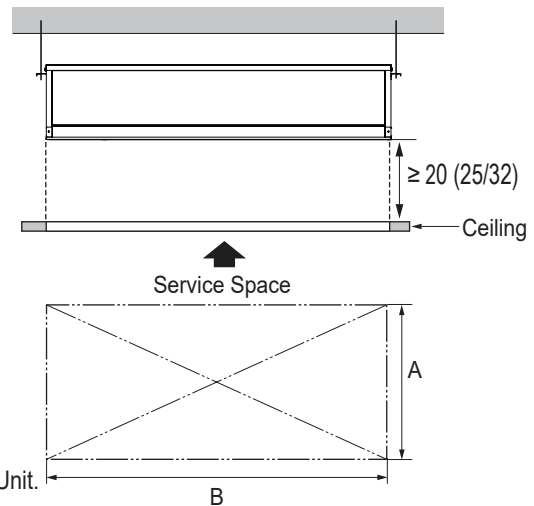
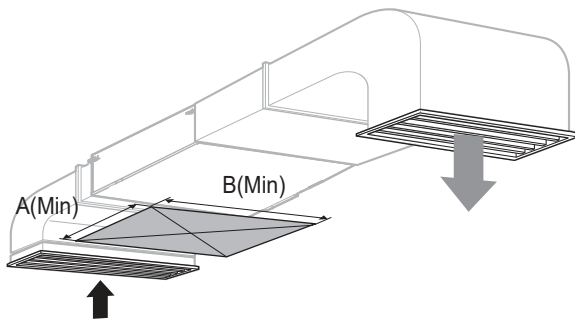
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

Note

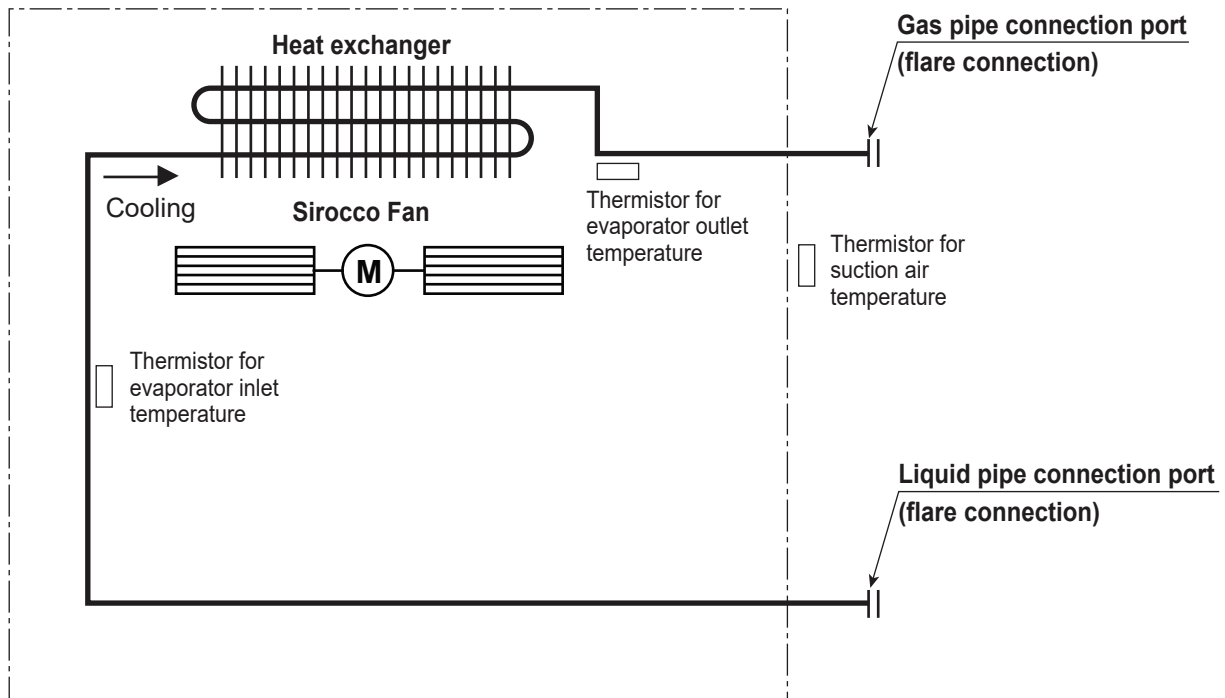
- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.



## 4. ZBNQ36LM3A0

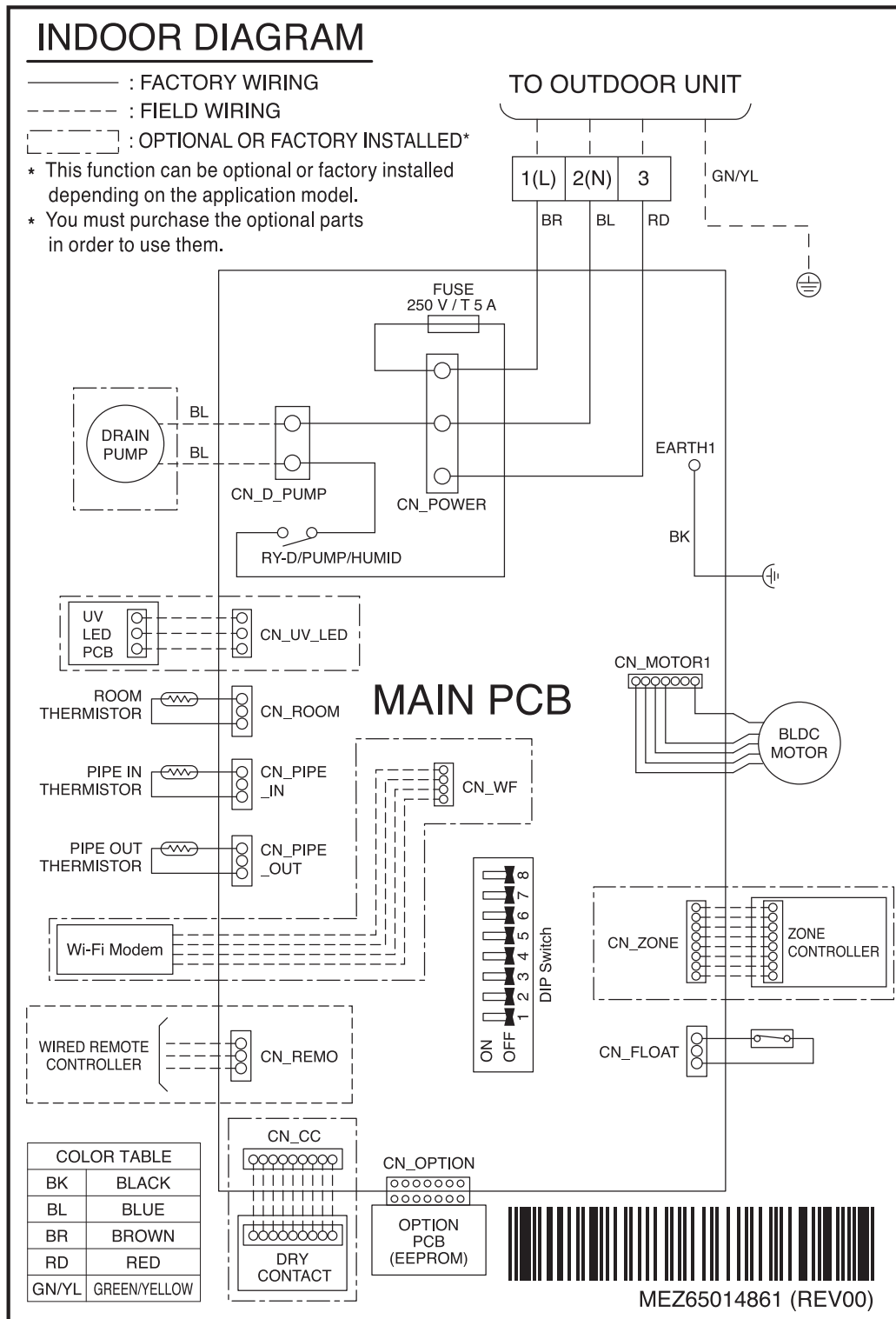
### 4.5 Piping Diagrams

#### 4.5.1 Normal



4. ZBNQ36LM3A0

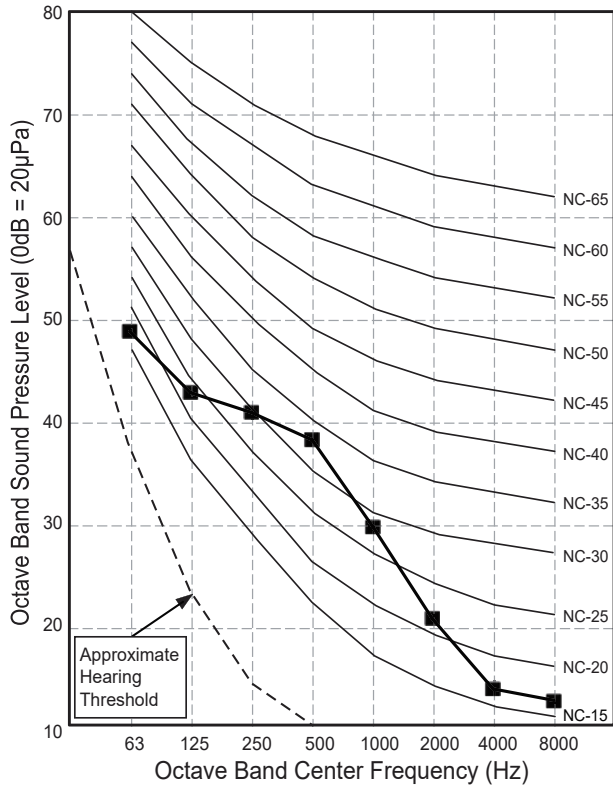
4.6 Wiring Diagrams



## 4. ZBNQ36LM3A0

### 4.7 Sound Levels

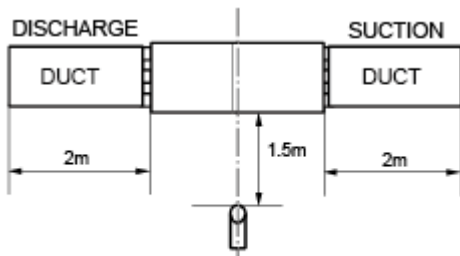
#### 4.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling ((SH)/H/M/L)	- / 36.0 / 33.0 / 31.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.

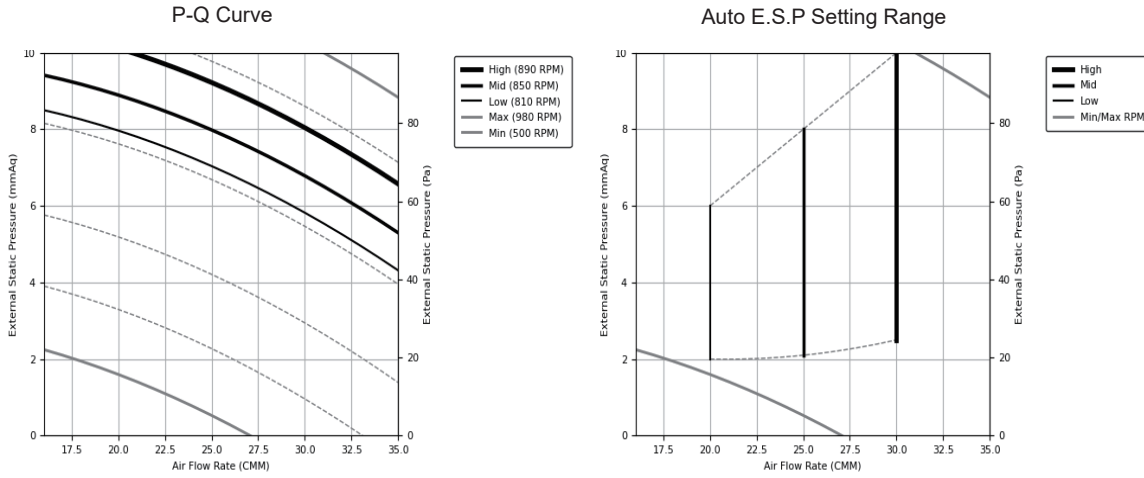


\* Measuring place : Anechoic chamber

4. ZBNQ36LM3A0

4.8 Fan Performance data

4.8.1 PQ Curve



Note

- Each dash line represents for each 100 RPM step
- If operation range is out of auto E.S.P setting range, air flow rate should be adjusted manually by wired remotecontroller. (ESP Set Value = RPM / 10)  
For more information, please see the installation manual.
- The above P-Q Curve shows available E.S.P. range. If the E.S.P value is out of min/max RPM at desired air flow, indoor components could be failed and performance would be decreased.
- Automatic constant air volume is a function that controls air volume automatically when installation, and the air volume is not set automatically during operation.

## 5. ZBNQ48GM3A0

## 5.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	M3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	250
Running Current	Maximum	A	2.5
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 40.0 / 34.0 / 28.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	59
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	400
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 16 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.31
Dimensions	Net(W x H x D)	mm	1250 x 360 x 700
	Shipping(W x H x D)	mm	1450 x 428 x 773
Weight	Net	kg	41
	Shipping	kg	47
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	25.4/20.4
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 38 / 36 / 34
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	2.5
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 5. ZBNQ48GM3A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 5. ZBNQ48GM3A0

## 5.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	Accessory
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	Accessory (ABDPG)
	Auto E.S.P. Control*	O
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not applied, Embedded : Included with product.
  - Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
  - Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.

## 5. ZBNQ48GM3A0

## 5.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	O
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	O
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).



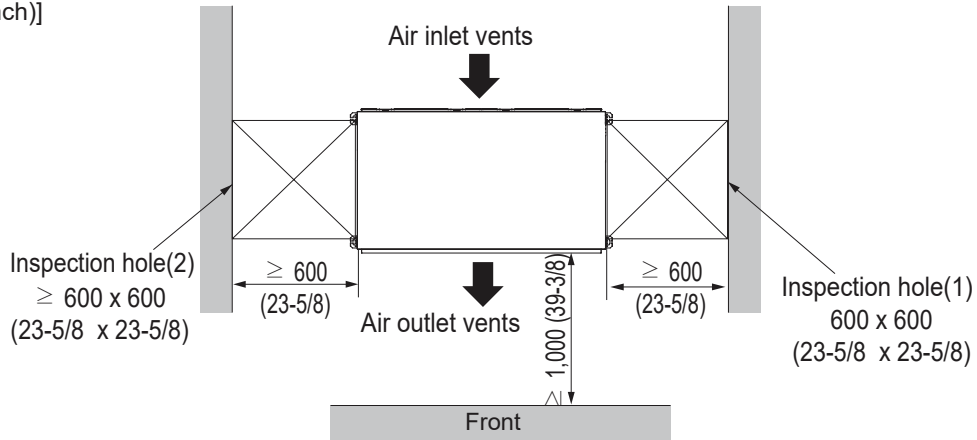


5. ZBNQ48GM3A0

5.4.2 Install Space

Top view

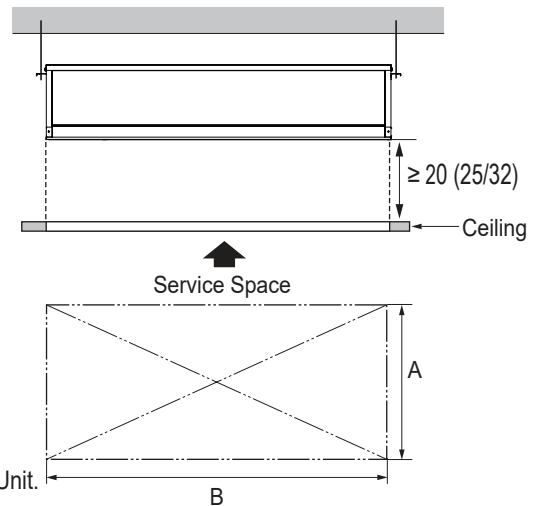
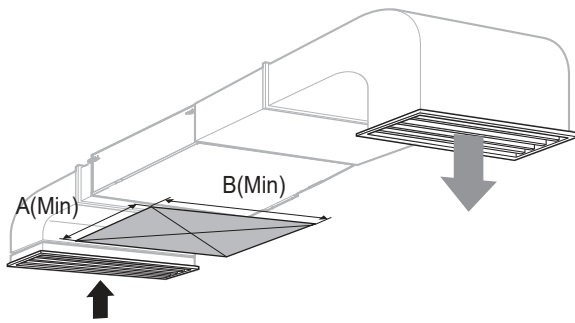
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

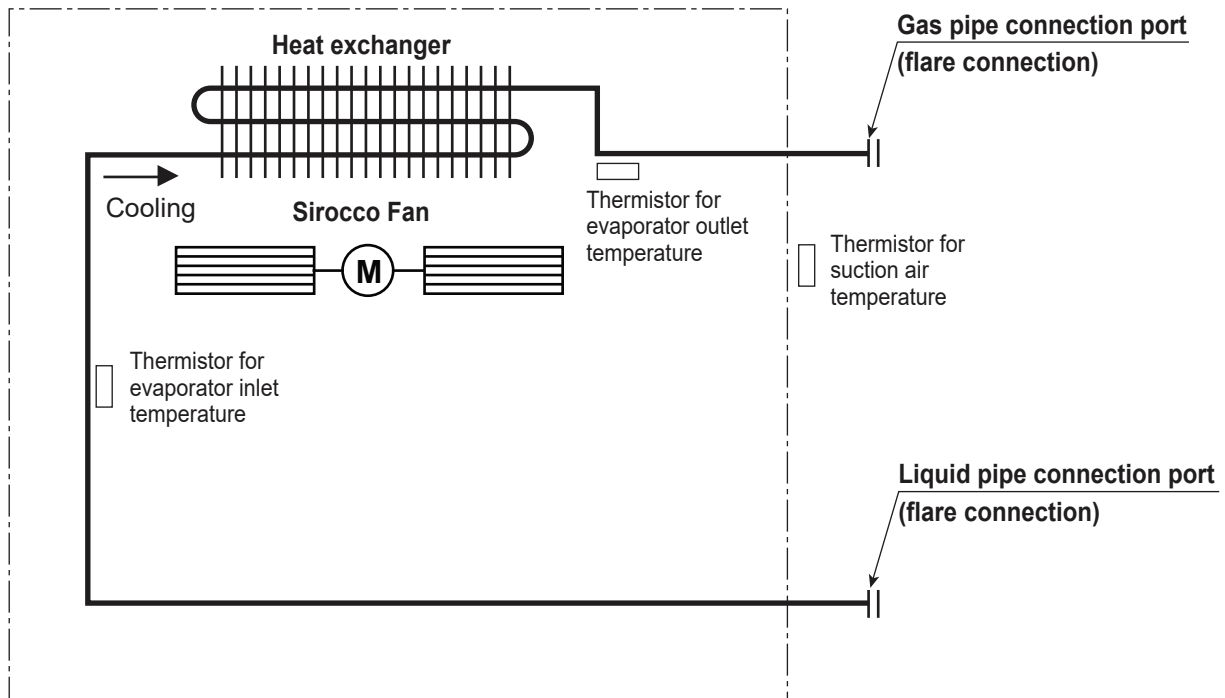
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

## 5. ZBNQ48GM3A0

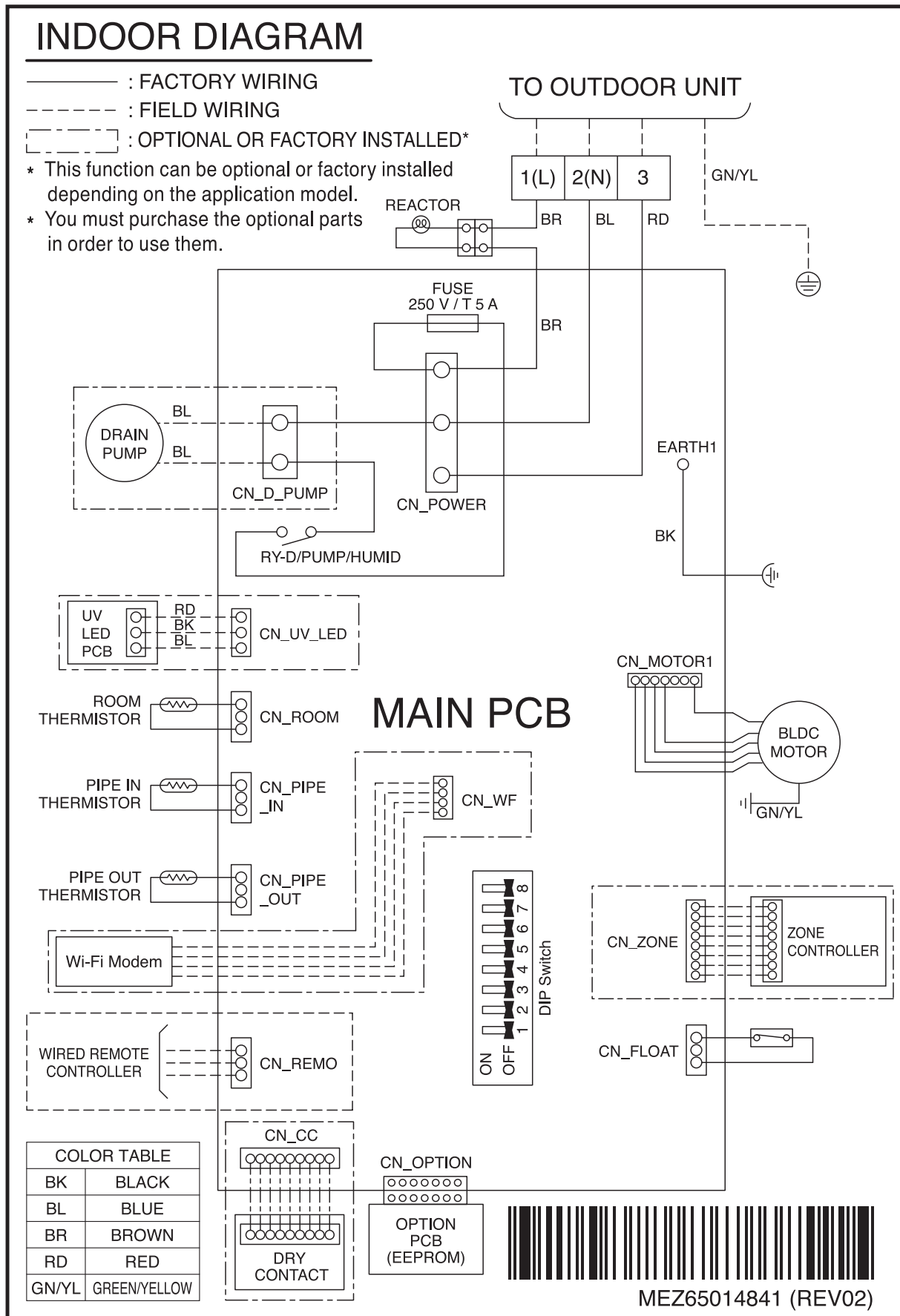
### 5.5 Piping Diagrams

#### 5.5.1 Normal



5. ZBNQ48GM3A0

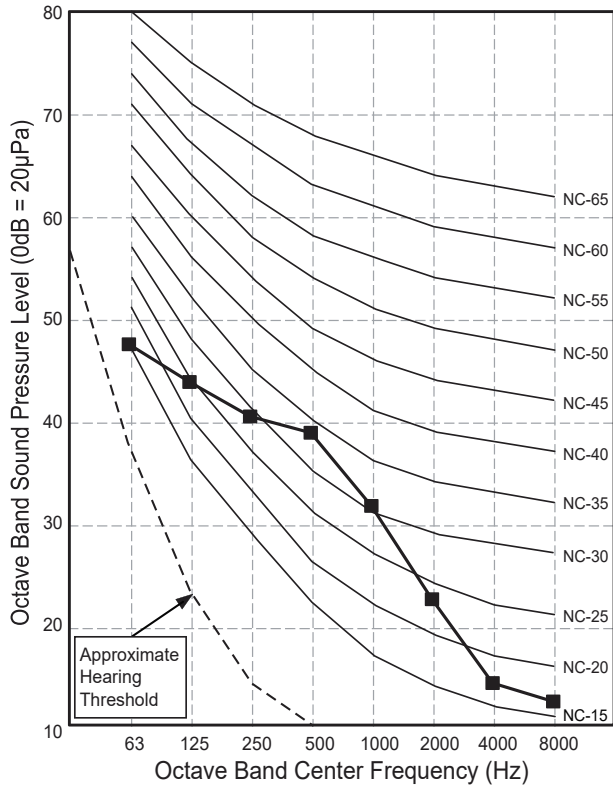
5.6 Wiring Diagrams



## 5. ZBNQ48GM3A0

### 5.7 Sound Levels

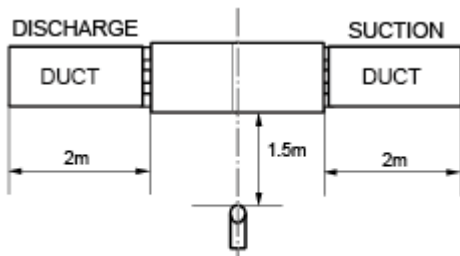
#### 5.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling ((SH)/H/M/L)	- / 38.0 / 36.0 / 34.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.

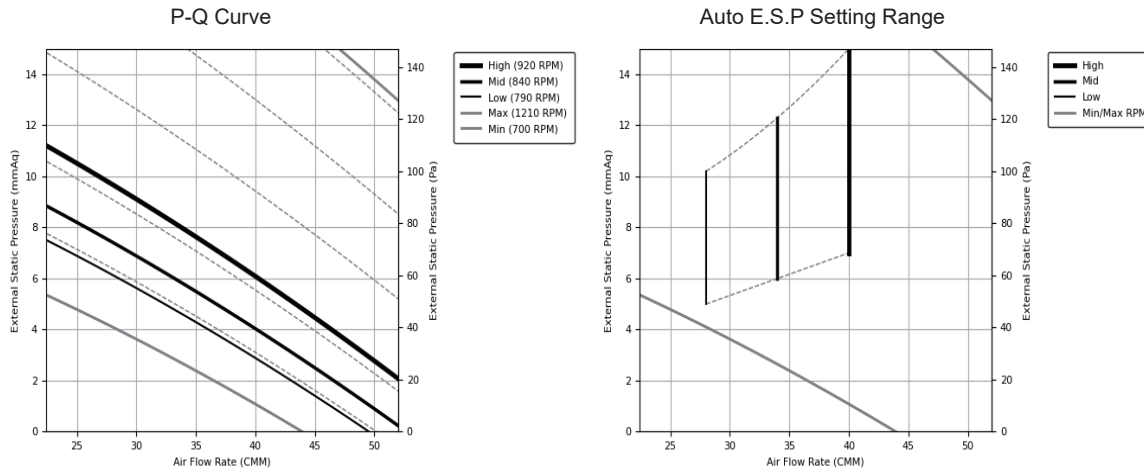


\* Measuring place : Anechoic chamber

## 5. ZBNQ48GM3A0

### 5.8 Fan Performance data

#### 5.8.1 PQ Curve



#### Note

- Each dash line represents for each 100 RPM step
- If operation range is out of auto E.S.P setting range, air flow rate should be adjusted manually by wired remotecontroller. (ESP Set Value = RPM / 10)  
For more information, please see the installation manual.
- The above P-Q Curve shows available E.S.P. range. If the E.S.P value is out of min/max RPM at desired air flow, indoor components could be failed and performance would be decreased.
- Automatic constant air volume is a function that controls air volume automatically when installation, and the air volume is not set automatically during operation.

## 6. ZBNQ48LM3A0

## 6.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	M3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	250
Running Current	Maximum	A	2.5
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 40.0 / 34.0 / 28.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	59
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	400
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 16 x 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.31
Dimensions	Net(W x H x D)	mm	1250 x 360 x 700
	Shipping(W x H x D)	mm	1450 x 428 x 773
Weight	Net	kg	41
	Shipping	kg	47
Exterior	Color	-	Steel Gray
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	25.4/20.4
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 38 / 36 / 34
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	2.5
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 6. ZBNQ48LM3A0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.



## 6. ZBNQ48LM3A0

## 6.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	X / X
	Dry Operation	O
Air Purification	Air Purify	X
	UV-C	Accessory
	Pre-Filter	O
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	Accessory (ABDPG)
	Auto E.S.P. Control*	O
	E.S.P Setting	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O

**Note**

- O : Applied, X : Not applied, Embedded : Included with product.
  - Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
  - Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)
- \* : These functions need to connect the wired remote controller.

## 6. ZBNQ48LM3A0

## 6.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Zone Controller	ABZCA	For Duct, 4zone, 220-240V	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	IR Receiver	PWLRVN000	for wireless remote controller with Duct	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	UVnano Filter Box	PBM13M1UA0	For M1 Chassis	X
		PBM13M2UA0	For M2 Chassis	X
		PBM13M3UA0	For M3 Chassis	O
	High Efficiency Filter (Main Filter of Filter Box)	FBM13M1UA0	For M1 UVnano Filter Box	X
		FBM13M2UA0	For M2 UVnano Filter Box	X
		FBM13M3UA0	For M3 UVnano Filter Box	O
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
Auxiliary Heater Relay Kit	PRARH1	For Cassette / Duct Indoor Units	X	

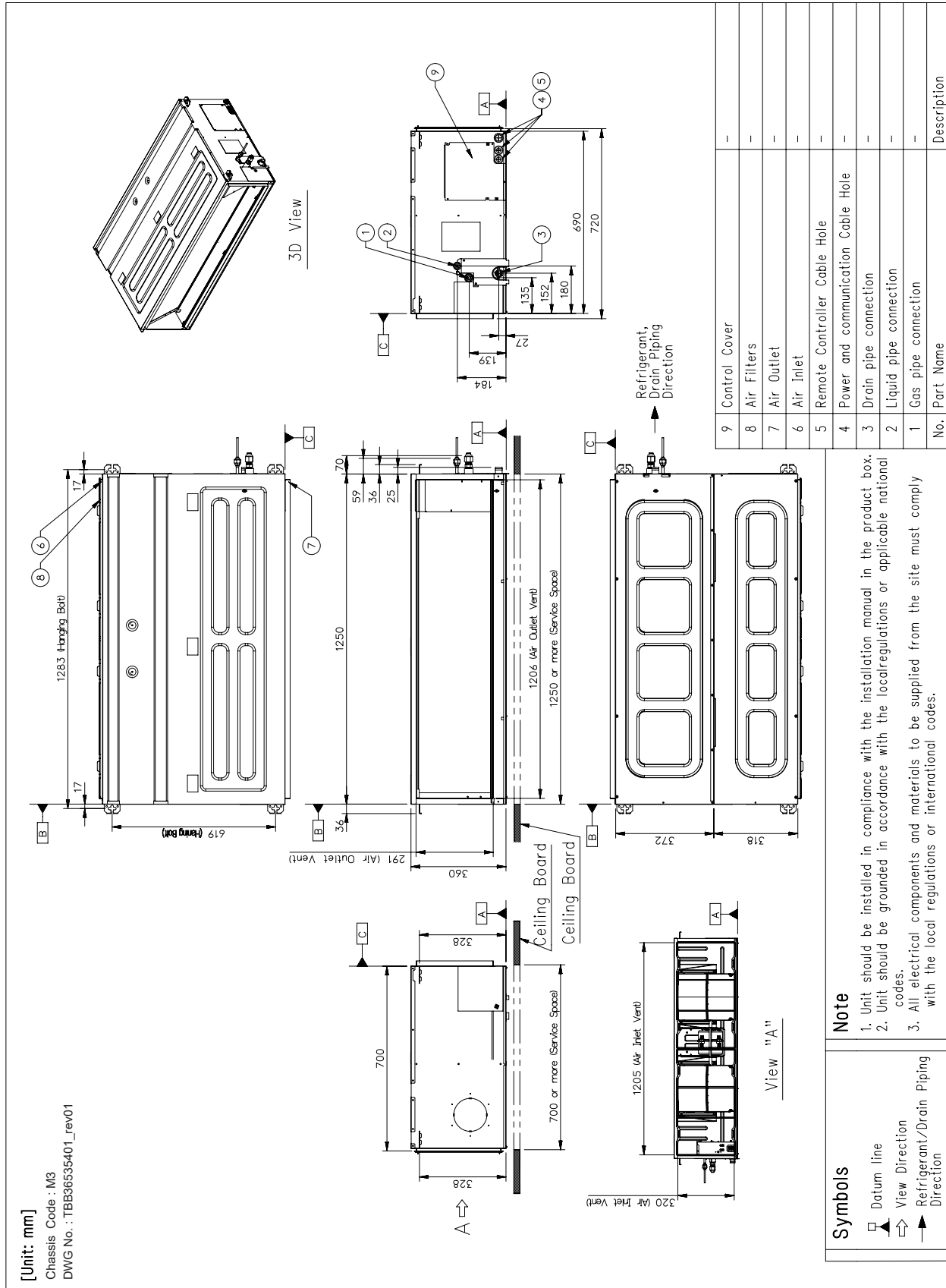
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant, Embedded : Included with product.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- Selecting a wireless remote controller in case of ducted type indoor units requires either a connection to the wired remote controller (Standard II) or an IR receiver accessory to be connected to the duct in order to receive the signal.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

6. ZBNQ48LM3A0

6.4 Dimensions

6.4.1 Product

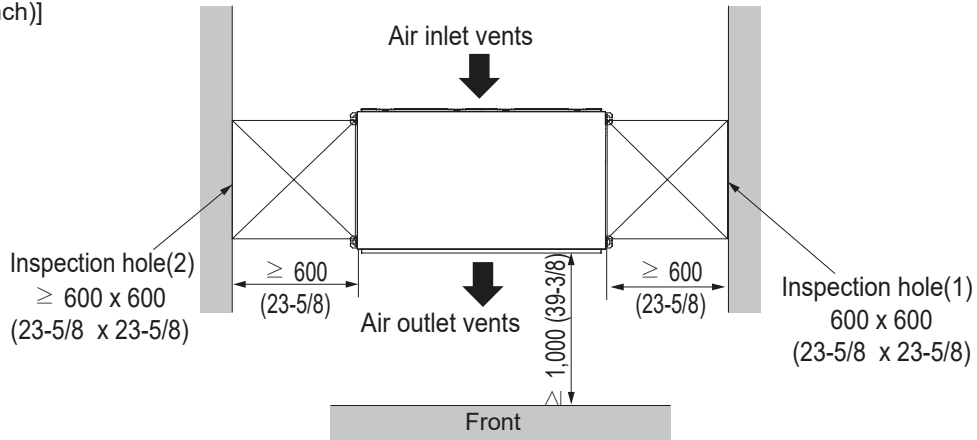


6. ZBNQ48LM3A0

6.4.2 Install Space

Top view

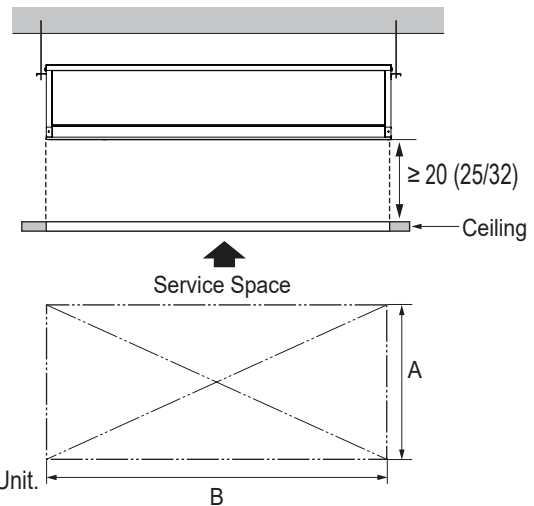
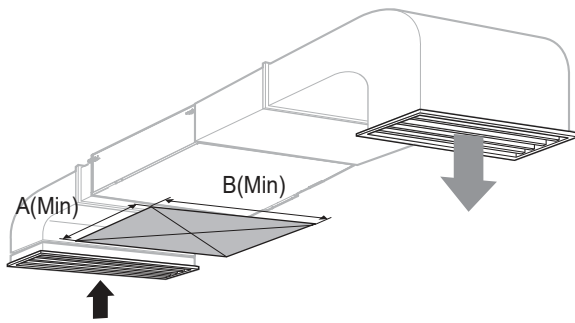
[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is more than 100cm (39-3/8 inch), the number of inspection hole could be decreased to 1. But if that is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

Front view

[Unit: mm(inch)]



\* If distance between false ceiling and actual ceiling is less than 20cm (7-7/8 inch), the hole size should be more than size of Indoor Unit.

\* These figures are representative. Actual appearance of indoor unit may be different but clearances will stay the same.

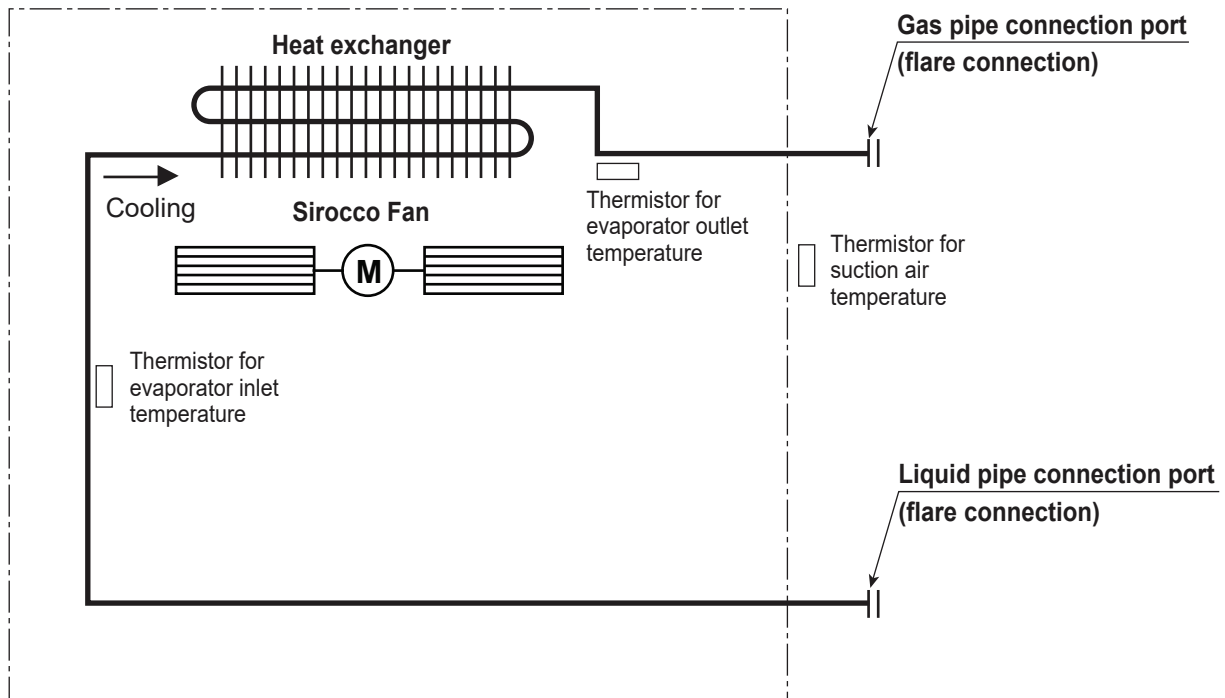
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

## 6. ZBNQ48LM3A0

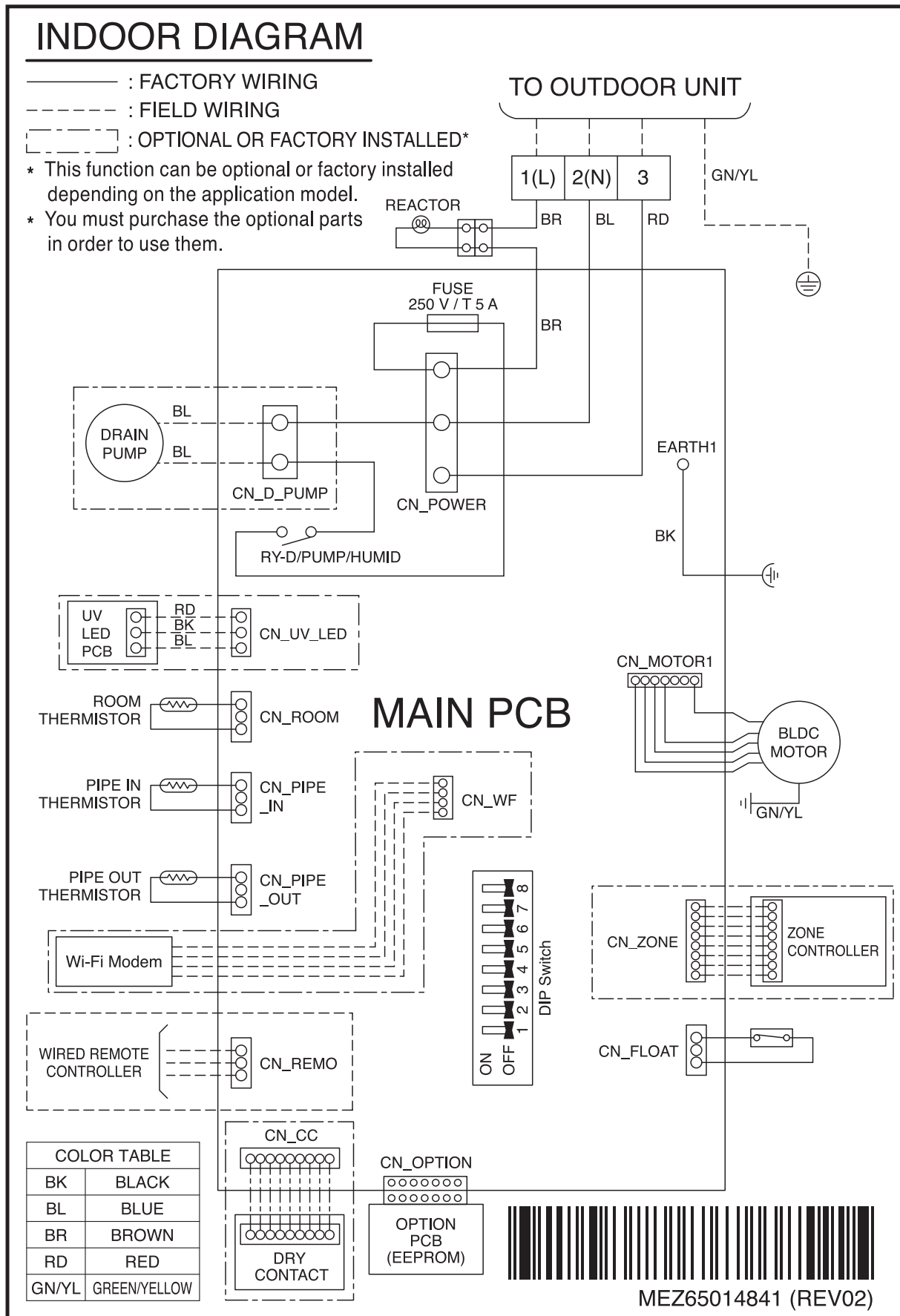
### 6.5 Piping Diagrams

#### 6.5.1 Normal



6. ZBNQ48LM3A0

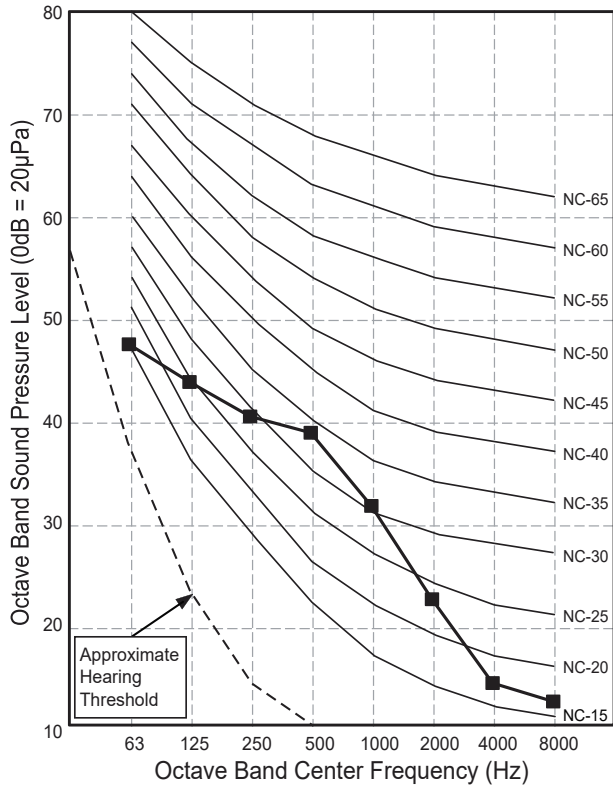
6.6 Wiring Diagrams



## 6. ZBNQ48LM3A0

### 6.7 Sound Levels

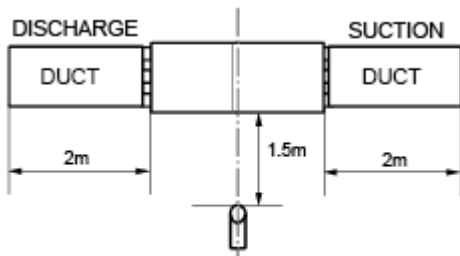
#### 6.7.1 Pressure Levels



Sound Level [dB(A), @External Static Pressure_Factory Set]	
Cooling ((SH)/H/M/L)	- / 38.0 / 36.0 / 34.0

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.

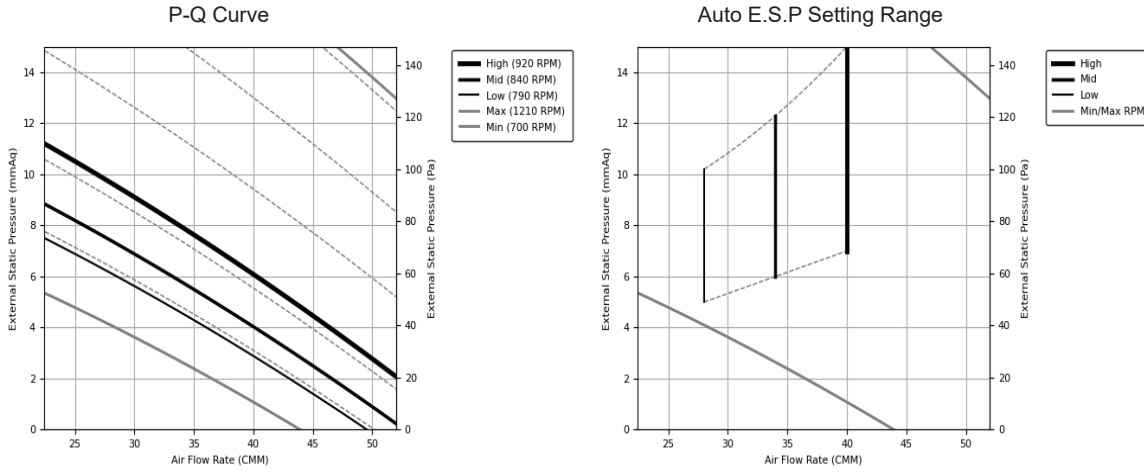


\* Measuring place : Anechoic chamber

## 6. ZBNQ48LM3A0

### 6.8 Fan Performance data

#### 6.8.1 PQ Curve



**Note**

- Each dash line represents for each 100 RPM step
- If operation range is out of auto E.S.P setting range, air flow rate should be adjusted manually by wired remotecontroller. (ESP Set Value = RPM / 10)  
For more information, please see the installation manual.
- The above P-Q Curve shows available E.S.P. range. If the E.S.P value is out of min/max RPM at desired air flow, indoor components could be failed and performance would be decreased.
- Automatic constant air volume is a function that controls air volume automatically when installation, and the air volume is not set automatically during operation.



## 1. ZPNQ24GS1A0

## 1.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	PS1
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	80
Running Current	Maximum	A	0.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	15.0 / 12.0 / - / 10.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	104
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 30 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.24
Dimensions	Net(W x H x D)	mm	530 x 1800 x 295
	Shipping(W x H x D)	mm	596 x 1853 x 383
Weight	Net	kg	25.3
	Shipping	kg	31.6
Exterior	Color	-	Noble White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	X
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	Φ20 , Φ17 /Φ12.2
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	-
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	45/43/-/41
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.6
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 1. ZPNQ24GS1A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 1. ZPNQ24GS1A0

## 1.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	3 / 3 / -
	Fan Speed Auto*	X
	Power Cool/Heat	O / X
	Swirl Wind*	X
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	X
	Group Control*	X
	Sleep Timer	X
	Turn On/Off Reservation	O
	Schedule*	X
	Two Thermistor Control*	X
	External On/Off	X
Installation	Drain Pump	X
	High Ceiling Operation*	X
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	X
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 1. ZPNQ24GS1A0

---

- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 1. ZPNQ24GS1A0

## 1.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	X
		PREMTA000A	-	X
		PREMTA000B	-	X
	Wired - RS3 (Standard III)	PREMTB100	White	X
		PREMTBB10	Black	X
	Wired - RS2 (Standard II)	PREMTB001	White	X
		PREMTBB01	Black	X
	Wired - Simple	PQRCVCL0QW	White	X
		PQRCVCL0Q	Black	X
	Wired - Simple for hotel	PQRCHCA0QW	White	X
		PQRCHCA0Q	Black	X
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	X
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	X
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	X
	2-Remo Control wire	PZCWRC2	-	X
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

1. ZPNQ24GS1A0

1.4 Dimensions

1.4.1 Product

Technical drawings of the ZPNQ24GS1A0 indoor unit. The drawings include a top view, a front view, and two side views. Dimensions are provided in millimeters: overall width is 1800 mm, depth is 530 mm, and height is 295 mm. Callouts 1 through 6 identify specific features: 1 (Inlet Grill), 2 (Air Outlet), 3 (Piping Hole), 4 (Wiring Hole), 5 (Drain Routing Hole), and 6 (Remote Controller Receiver). Specific hole diameters are noted as  $\phi 66$  and  $\phi 95$ . Mounting hole offsets are 144 mm and 86 mm.

No.	Part Name	Description
6	Remote Controller Receiver	-
5	Drain Routing Hole	-
4	Wiring Hole	-
3	Piping Hole	-
2	Air Outlet	-
1	Inlet Grill	-

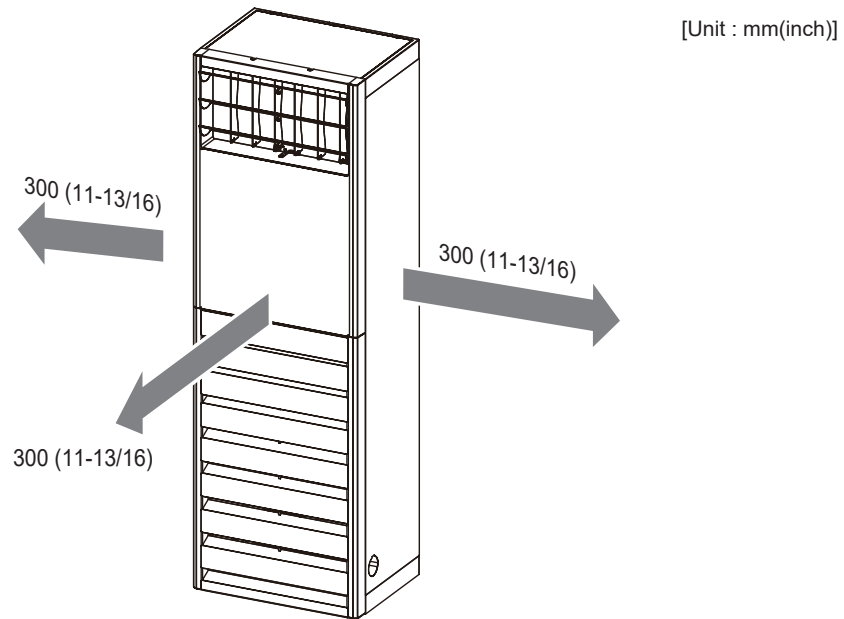
**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electric characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

[Unit: mm]

## 1. ZPNQ24GS1A0

### 1.4.2 Install Space

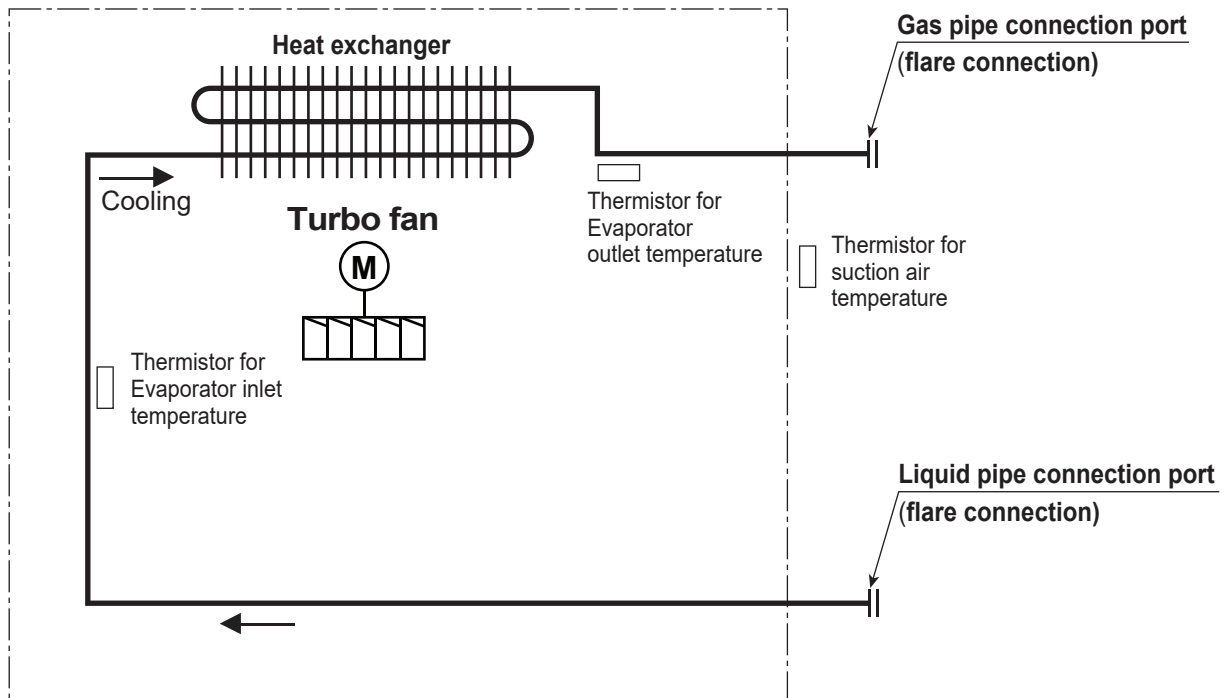
**Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

# 1. ZPNQ24GS1A0

## 1.5 Piping Diagrams

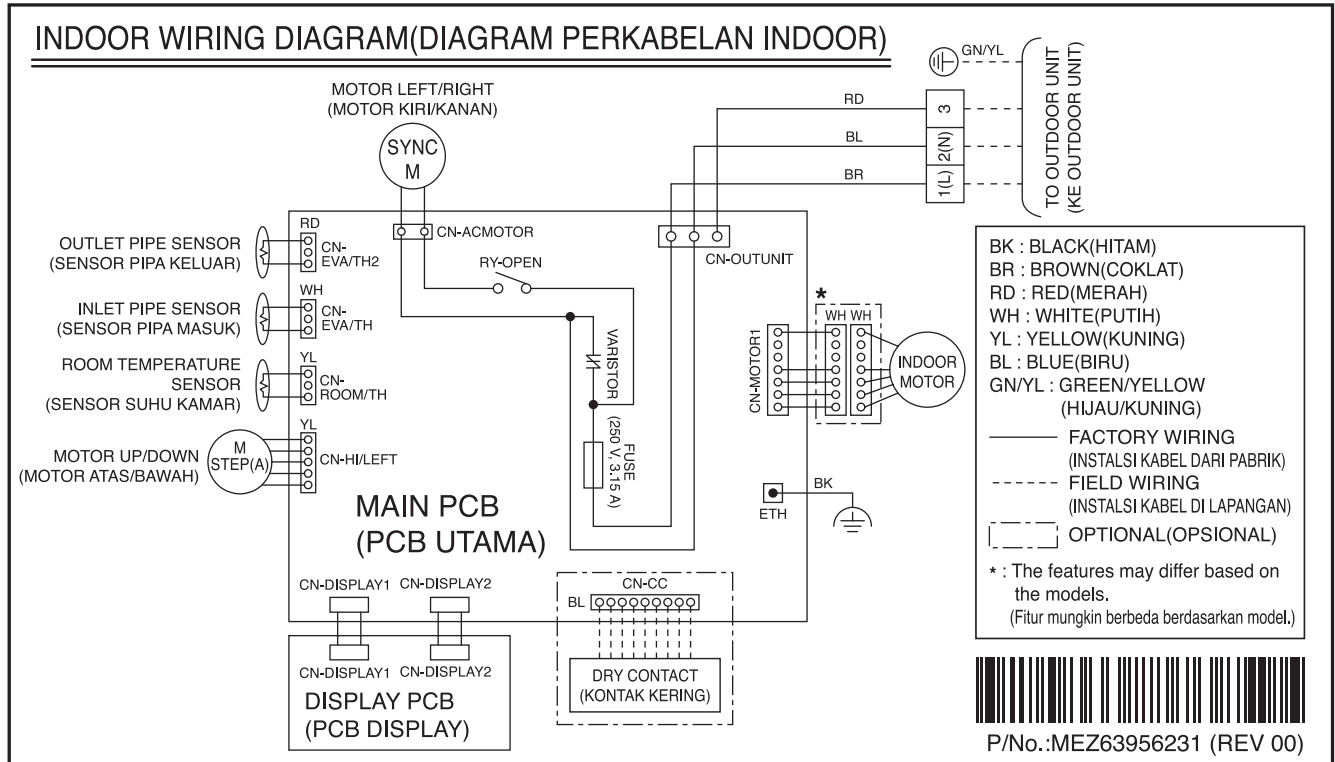
### 1.5.1 Normal





1. ZPNQ24GS1A0

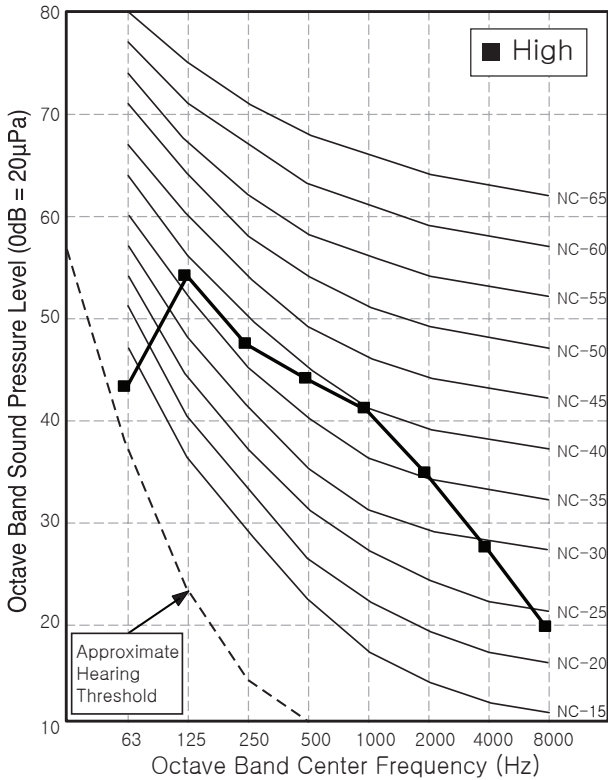
1.6 Wiring Diagrams



# 1. ZPNQ24GS1A0

## 1.7 Sound Levels

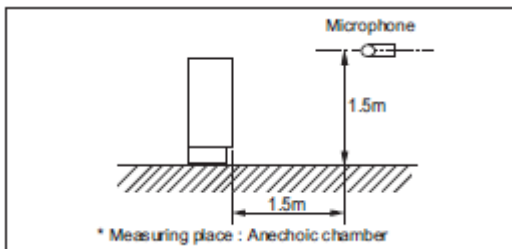
### 1.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	45/43/-/41

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

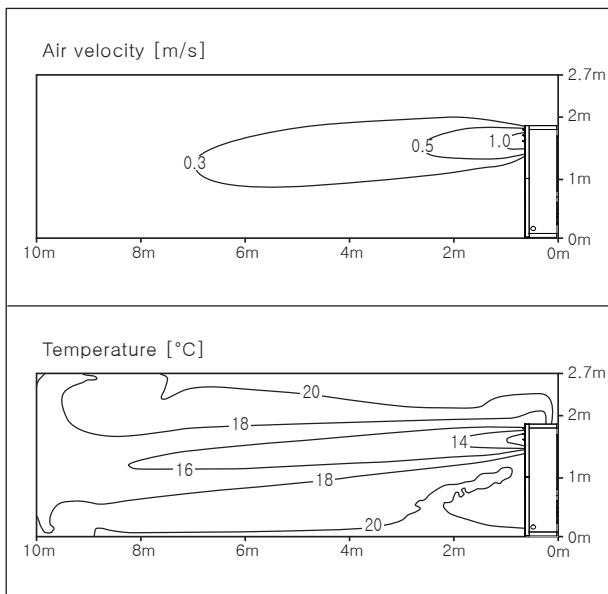


## 1. ZPNQ24GS1A0

### 1.8 Air flow and temperature distributions

#### 1.8.1 Cooling operation

Discharge angle: 90°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 2. ZPNQ30GR5E0

## 2.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	PR5
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	100
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	23.5 / 19.0 / 17.0 / 14.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	104
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 38 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.30
Dimensions	Net(W x H x D)	mm	590 x 1840 x 300
	Shipping(W x H x D)	mm	680 x 1925 x 395
Weight	Net	kg	36.0
	Shipping	kg	43.0
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	X
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	Φ20 , Φ17 /Φ12.2
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	-
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	52 / 47 / 44 / 41
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 2. ZPNQ30GR5E0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 2. ZPNQ30GR5E0

## 2.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 4 / -
	Fan Speed Auto*	X
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	X
	Group Control*	X
	Sleep Timer	X
	Turn On/Off Reservation	O
	Schedule*	X
	Two Thermistor Control*	X
	External On/Off	X
Installation	Drain Pump	X
	High Ceiling Operation*	X
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	X
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 2. ZPNQ30GR5E0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 2. ZPNQ30GR5E0

## 2.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	X
		PREMTA000A	-	X
		PREMTA000B	-	X
	Wired - RS3 (Standard III)	PREMTB100	White	X
		PREMTBB10	Black	X
	Wired - RS2 (Standard II)	PREMTB001	White	X
		PREMTBB01	Black	X
	Wired - Simple	PQRCVCL0QW	White	X
		PQRCVCL0Q	Black	X
	Wired - Simple for hotel	PQRCHCA0QW	White	X
		PQRCHCA0Q	Black	X
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	X
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	X
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	X
	2-Remo Control wire	PZCWRC2	-	X
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
PTDCM		For TP/TN/TM Chassis	X	
PTDCA		For TM-A/TP-B Chassis	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).



2. ZPNQ30GR5E0

2.4 Dimensions

2.4.1 Product

Technical drawing showing three views of the indoor unit: a front view, a side view, and a top view. The front view shows a rectangular unit with a width of 1840 mm and a height of 590 mm. The side view shows a depth of 300 mm. The top view shows a width of 1840 mm and a depth of 529 mm. Callouts 1 through 6 indicate specific features: 1 (Inlet grille), 2 (Air outlet), 3 (Piping hole), 4 (Wiring hole), 5 (Drain routing hole), and 6 (Remote controller receiver). Dimensions for hole diameters (Ø40, Ø66) and hole positions (125, 150, 127, 115) are also provided.

No.	Part Name	Description
6	Remote controller receiver	-
5	Drain routing hole	-
4	Wiring hole	-
3	Piping hole	-
2	Air outlet	-
1	Inlet grille	-

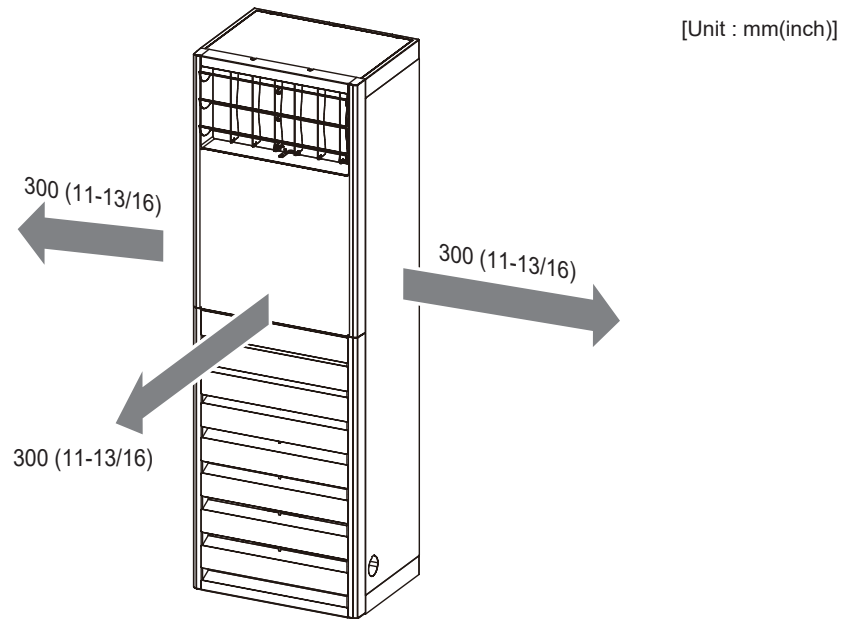
**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electric characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

[Unit: mm]

## 2. ZPNQ30GR5E0

### 2.4.2 Install Space

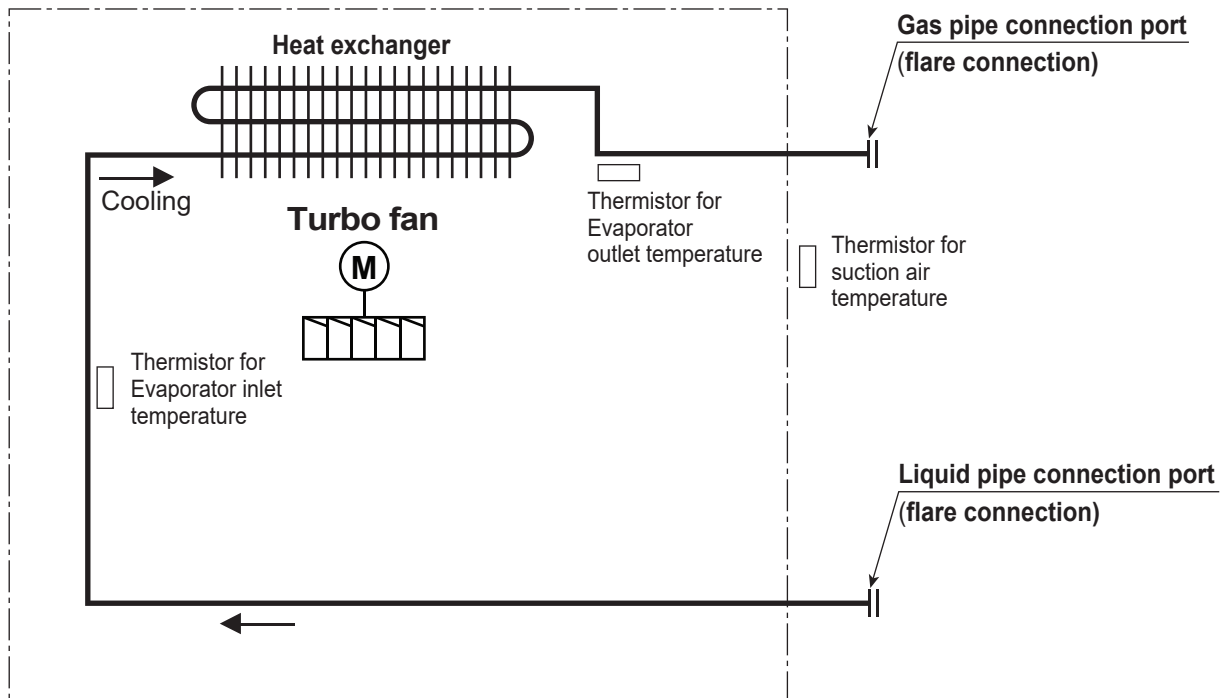
**Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

## 2. ZPNQ30GR5E0

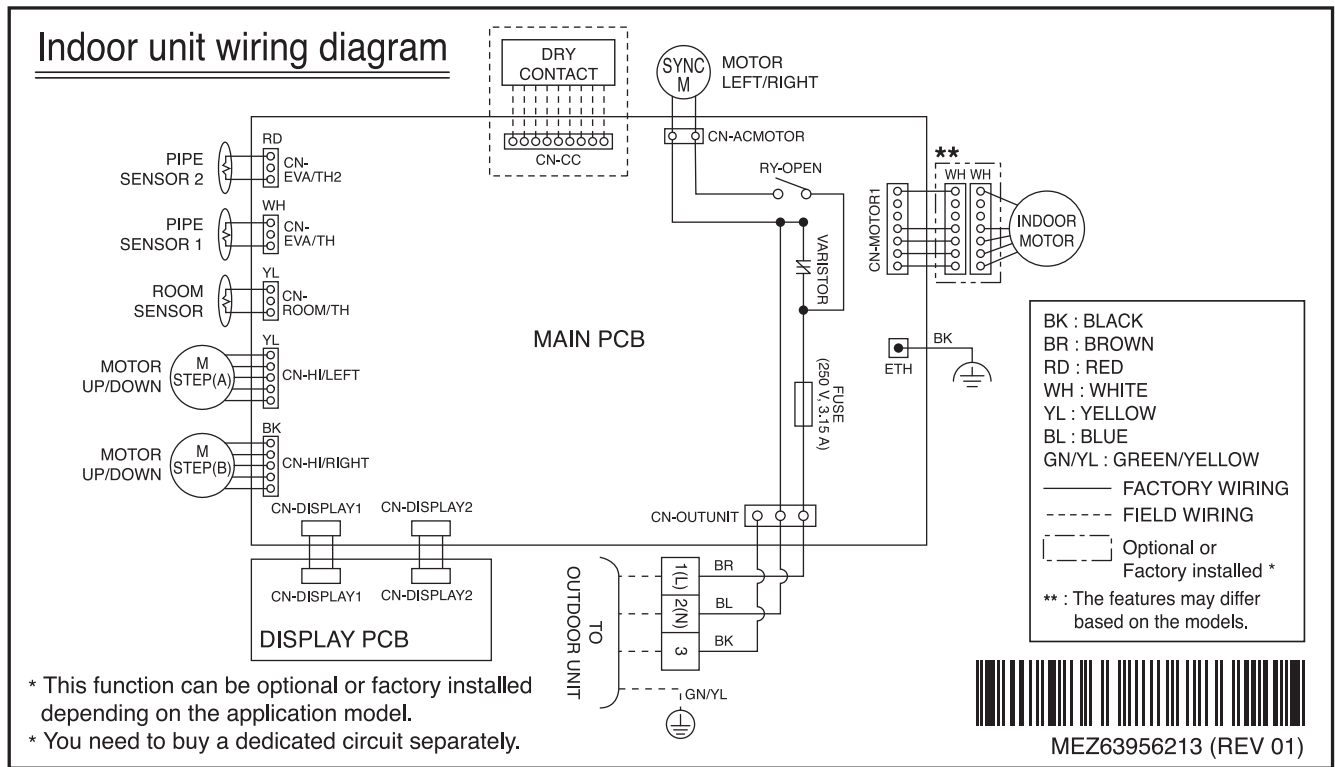
### 2.5 Piping Diagrams

#### 2.5.1 Normal



2. ZPNQ30GR5E0

2.6 Wiring Diagrams

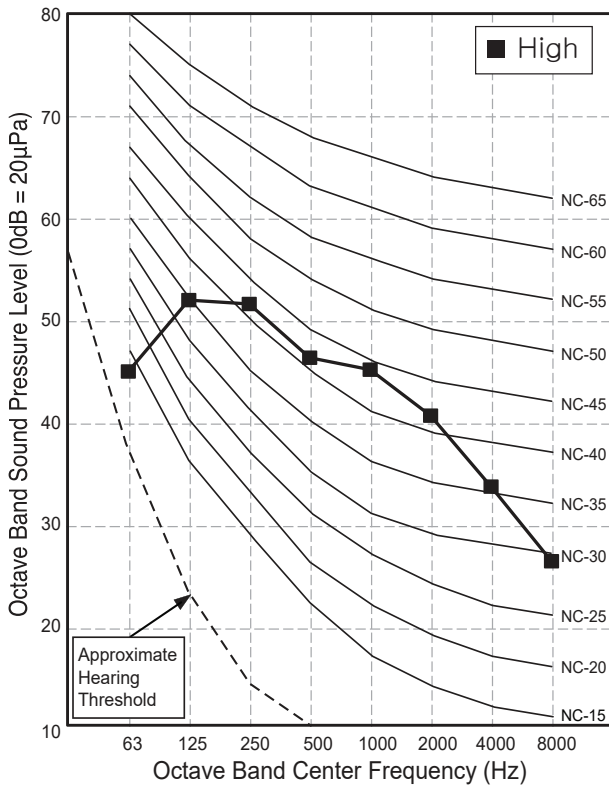


\* This function can be optional or factory installed depending on the application model.  
 \* You need to buy a dedicated circuit separately.

## 2. ZPNQ30GR5E0

### 2.7 Sound Levels

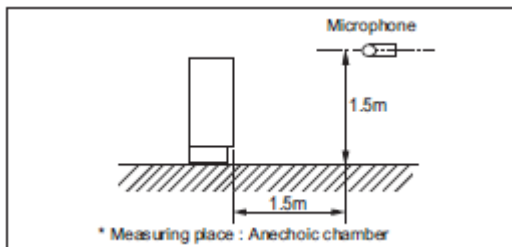
#### 2.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	52 / 47 / 44 / 41

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

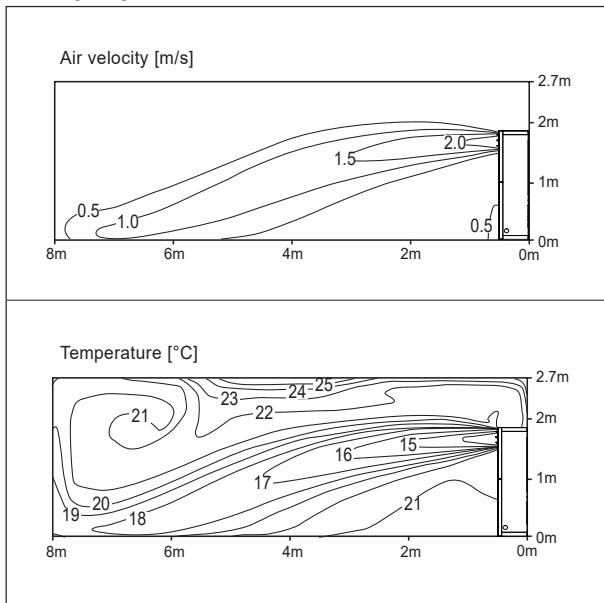


## 2. ZPNQ30GR5E0

### 2.8 Air flow and temperature distributions

#### 2.8.1 Cooling operation

Discharge angle : 90°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 3. ZPNQ36GR5A0

## 3.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	PR5
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	100
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	23.5 / 19.0 / 17.0 / 14.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	104
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 38 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.30
Dimensions	Net(W x H x D)	mm	590 x 1840 x 300
	Shipping(W x H x D)	mm	680 x 1925 x 395
Weight	Net	kg	36
	Shipping	kg	43
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	X
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	Φ20 , Φ17 /Φ12.2
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	-
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	52 / 47 / 44 / 41
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 3. ZPNQ36GR5A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.



## 3. ZPNQ36GR5A0

## 3.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 4 / -
	Fan Speed Auto*	X
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	X
	Group Control*	X
	Sleep Timer	X
	Turn On/Off Reservation	O
	Schedule*	X
	Two Thermistor Control*	X
	External On/Off	X
Installation	Drain Pump	X
	High Ceiling Operation*	X
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	X
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

### 3. ZPNQ36GR5A0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 3. ZPNQ36GR5A0

## 3.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	X
		PREMTA000A	-	X
		PREMTA000B	-	X
	Wired - RS3 (Standard III)	PREMTB100	White	X
		PREMTBB10	Black	X
	Wired - RS2 (Standard II)	PREMTB001	White	X
		PREMTBB01	Black	X
	Wired - Simple	PQRCVCL0QW	White	X
		PQRCVCL0Q	Black	X
	Wired - Simple for hotel	PQRCHCA0QW	White	X
		PQRCHCA0Q	Black	X
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	X
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	X
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	X
	2-Remo Control wire	PZCWRC2	-	X
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

3. ZPNQ36GR5A0

3.4 Dimensions

3.4.1 Product

[Unit: mm]

The drawing includes the following dimensions and callouts:

- Front View:** Total height 590 mm, main body height 529 mm, width 1840 mm, and a side offset of 182 mm.
- Side View:** Total height 300 mm, base offset 125 mm, and a top offset of 150 mm.
- Top View:** Shows a central grille with a diameter of  $\phi 666$  mm. Callouts 1, 2, 3, 4, and 5 point to specific features on the top surface.

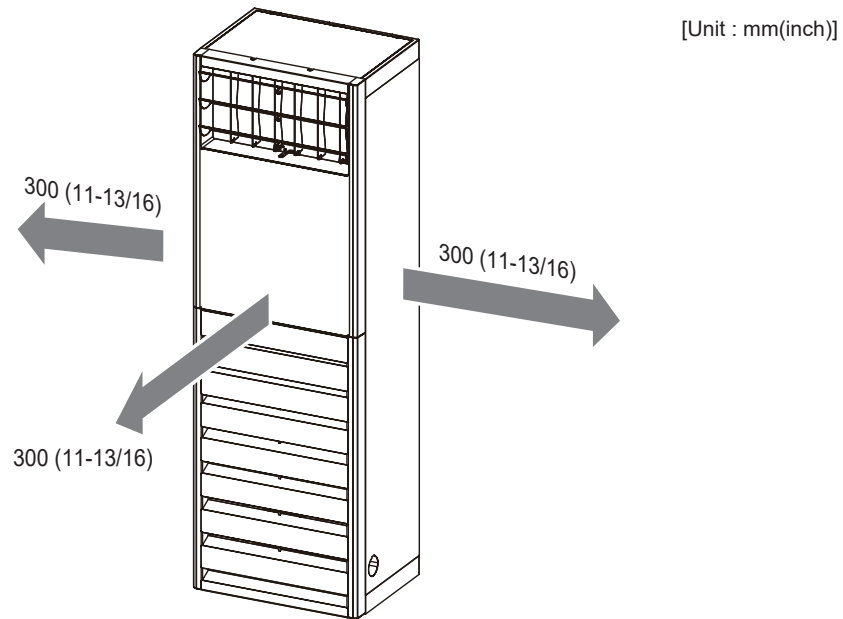
**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electric characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

No.	Part Name	Description
6	Remote controller receiver	-
5	Drain routing hole	-
4	Wiring hole	-
3	Piping hole	-
2	Air outlet	-
1	Inlet grille	-

### 3. ZPNQ36GR5A0

#### 3.4.2 Install Space

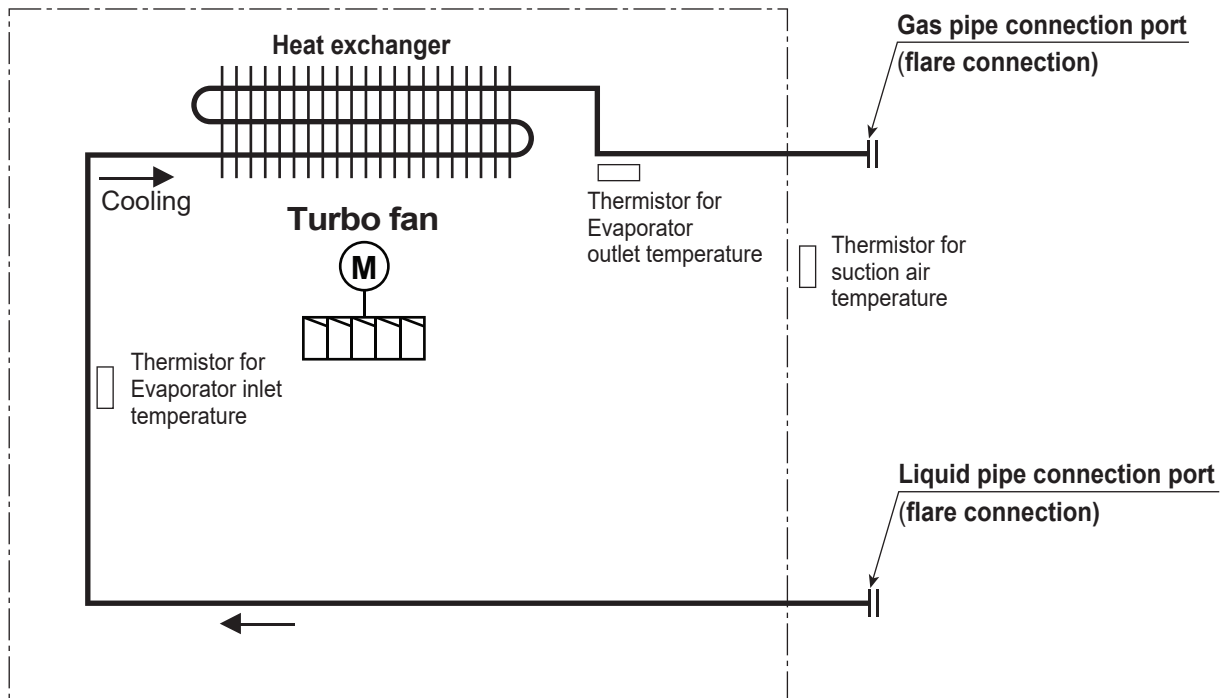
**Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

### 3. ZPNQ36GR5A0

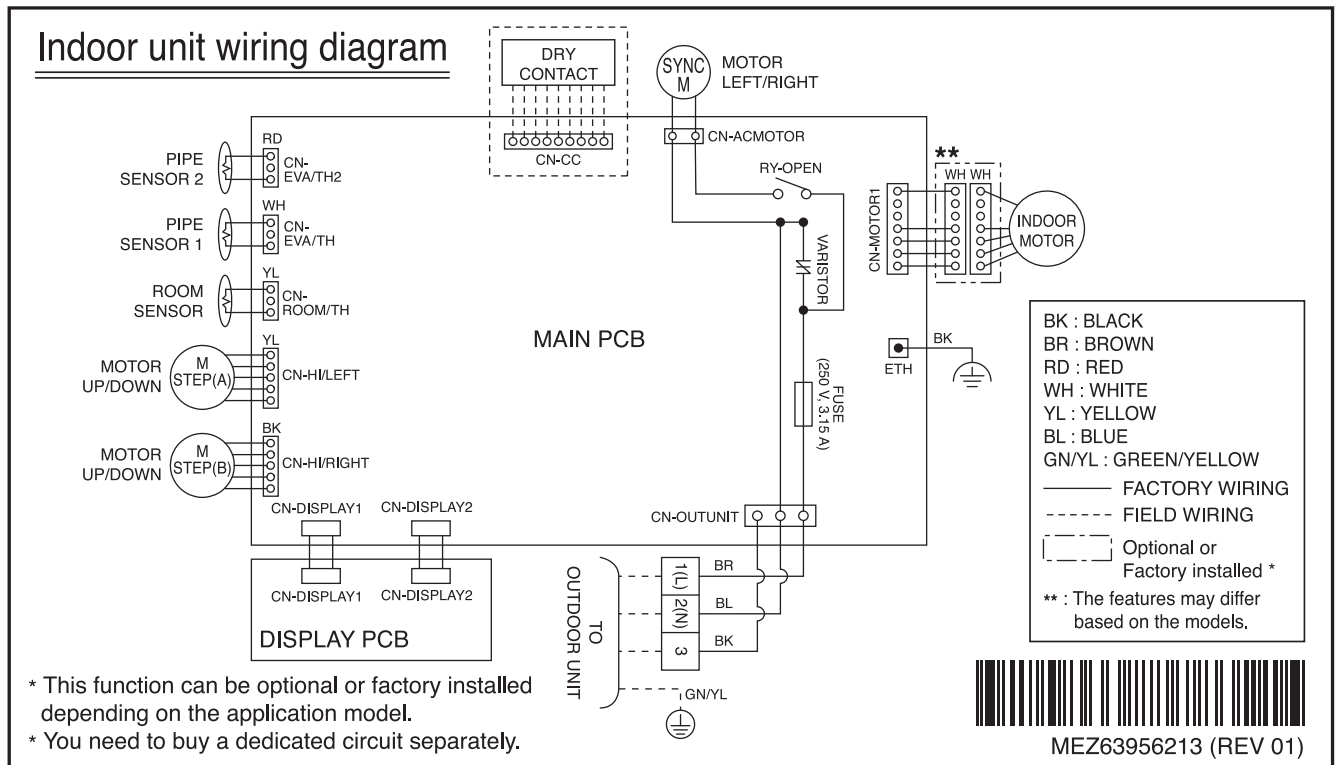
#### 3.5 Piping Diagrams

##### 3.5.1 Normal



3. ZPNQ36GR5A0

3.6 Wiring Diagrams

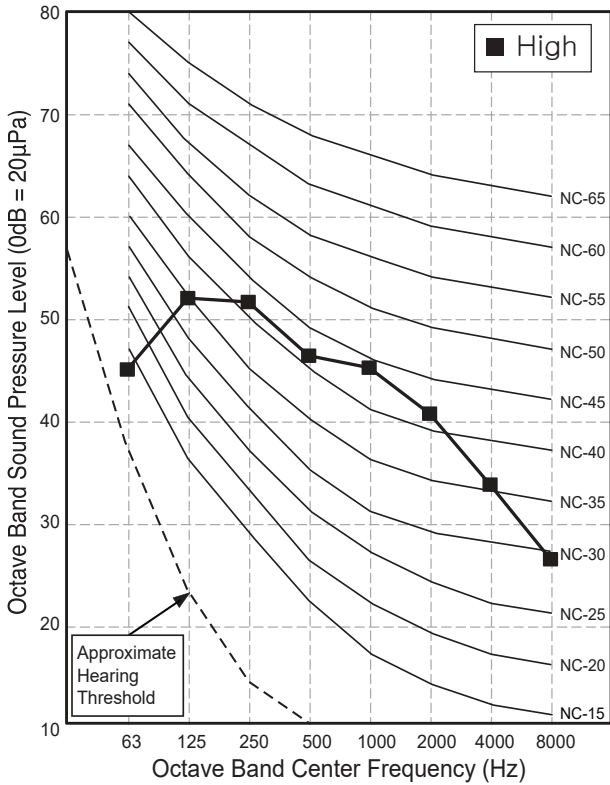


\* This function can be optional or factory installed depending on the application model.  
 \* You need to buy a dedicated circuit separately.

### 3. ZPNQ36GR5A0

#### 3.7 Sound Levels

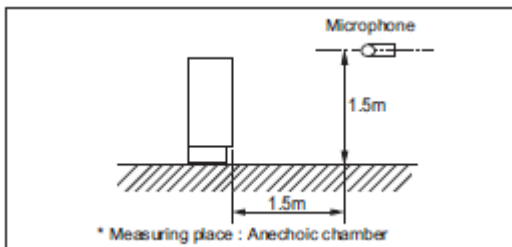
##### 3.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	52 / 47 / 44 / 41

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.
- Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.



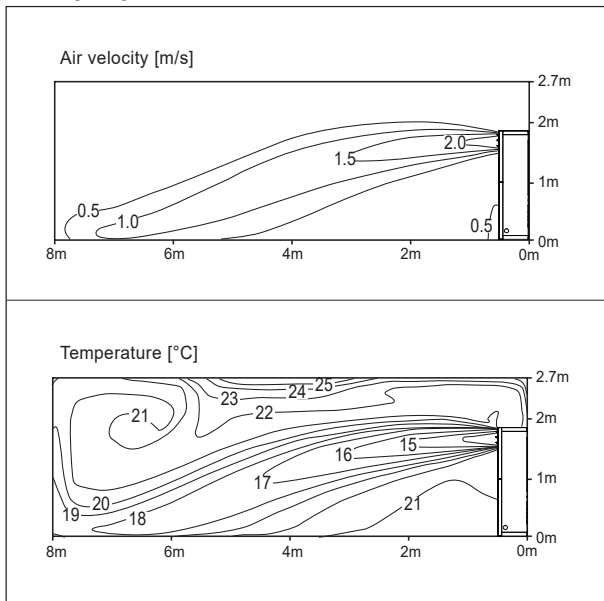


### 3. ZPNQ36GR5A0

## 3.8 Air flow and temperature distributions

### 3.8.1 Cooling operation

Discharge angle : 90°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 4. ZPNQ36LR5A0

## 4.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	PR5
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	100
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	23.5 / 19.0 / 17.0 / 14.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	104
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 38 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.30
Dimensions	Net(W x H x D)	mm	590 x 1840 x 300
	Shipping(W x H x D)	mm	680 x 1925 x 395
Weight	Net	kg	36
	Shipping	kg	43
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	X
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	Φ20 , Φ17 /Φ12.2
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	-
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	52 / 47 / 44 / 41
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 4. ZPNQ36LR5A0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 4. ZPNQ36LR5A0

## 4.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 4 / -
	Fan Speed Auto*	X
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	X
	Group Control*	X
	Sleep Timer	X
	Turn On/Off Reservation	O
	Schedule*	X
	Two Thermistor Control*	X
	External On/Off	X
Installation	Drain Pump	X
	High Ceiling Operation*	X
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	X
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 4. ZPNQ36LR5A0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 4. ZPNQ36LR5A0

## 4.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	X
		PREMTA000A	-	X
		PREMTA000B	-	X
	Wired - RS3 (Standard III)	PREMTB100	White	X
		PREMTBB10	Black	X
	Wired - RS2 (Standard II)	PREMTB001	White	X
		PREMTBB01	Black	X
	Wired - Simple	PQRCVCL0QW	White	X
		PQRCVCL0Q	Black	X
	Wired - Simple for hotel	PQRCHCA0QW	White	X
		PQRCHCA0Q	Black	X
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	X
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	X
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	X
	2-Remo Control wire	PZCWRC2	-	X
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
PTDCM		For TP/TN/TM Chassis	X	
PTDCA		For TM-A/TP-B Chassis	X	

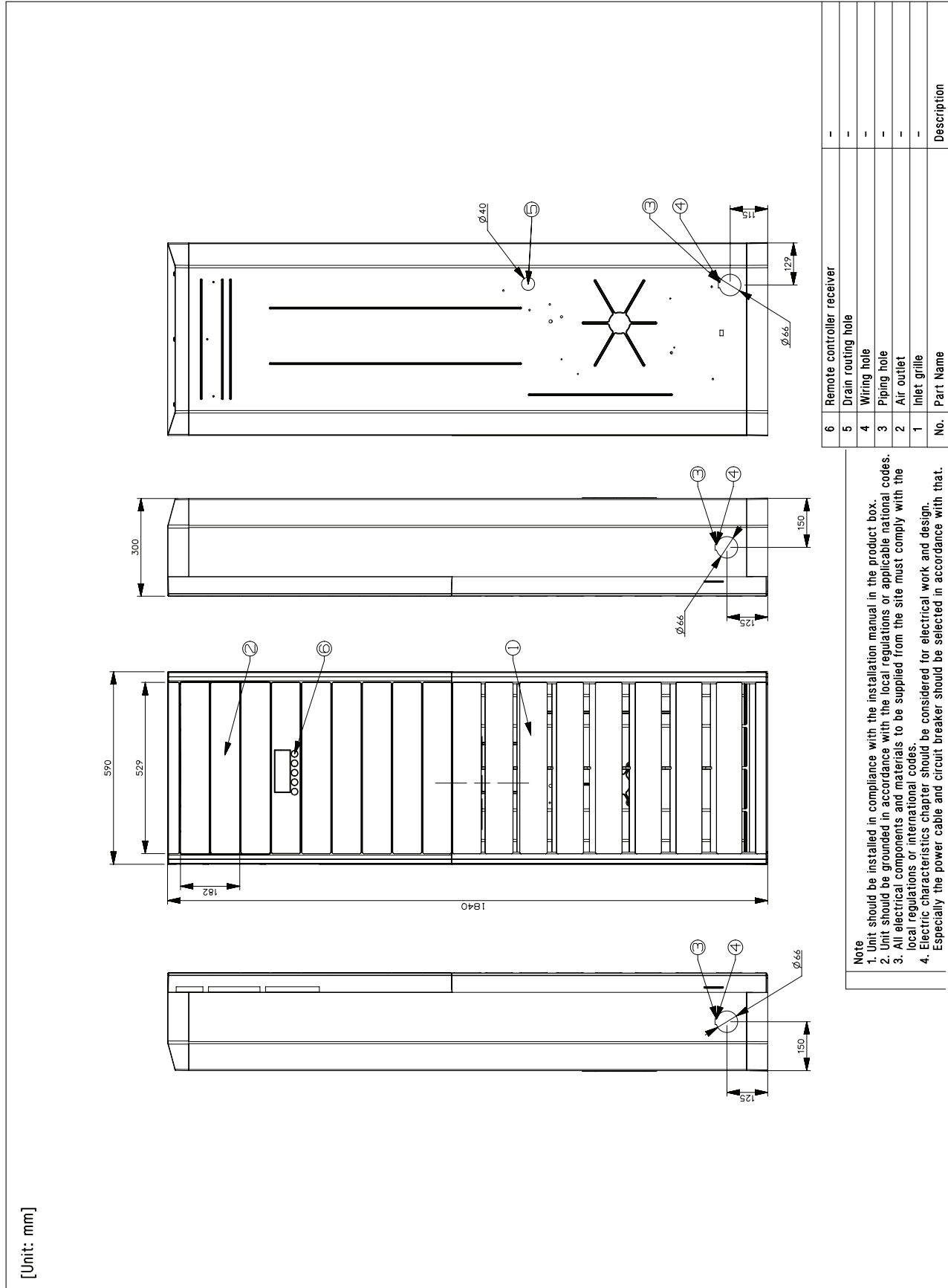
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

4. ZPNQ36LR5A0

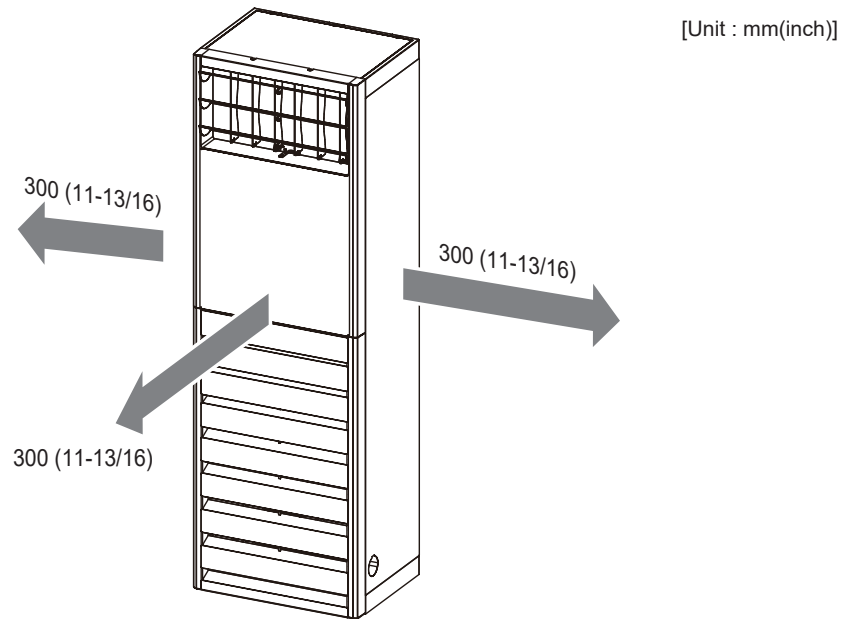
4.4 Dimensions

4.4.1 Product



## 4. ZPNQ36LR5A0

### 4.4.2 Install Space

**Note**

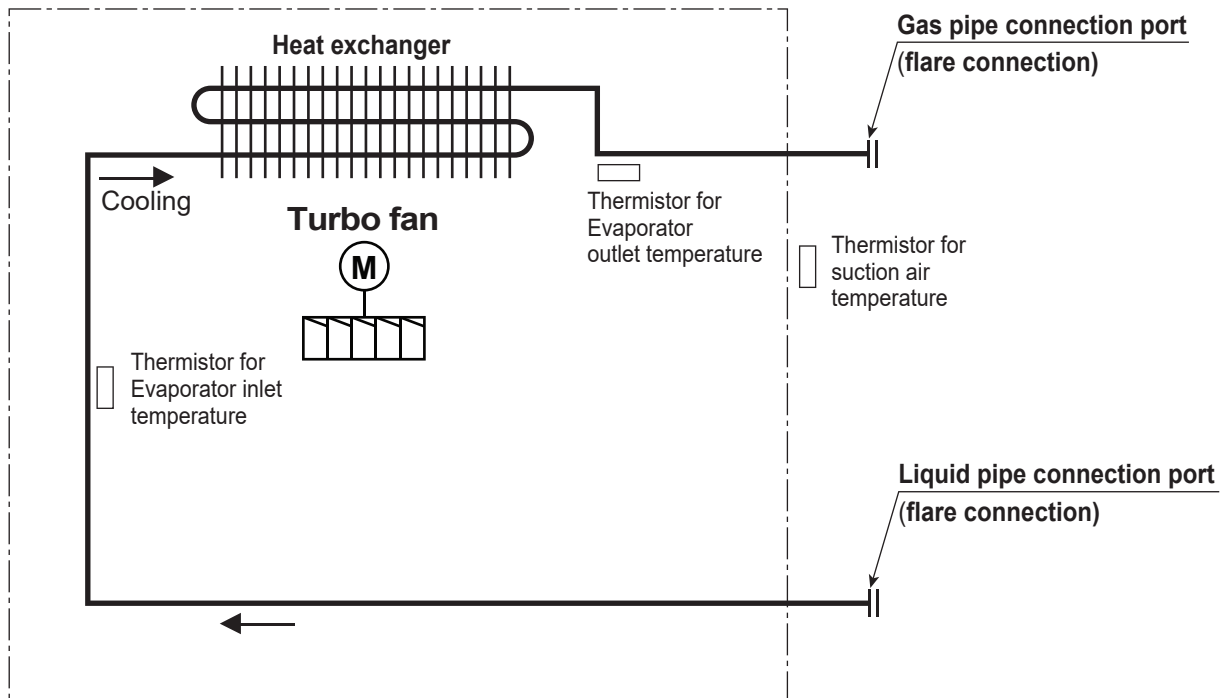
- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.



## 4. ZPNQ36LR5A0

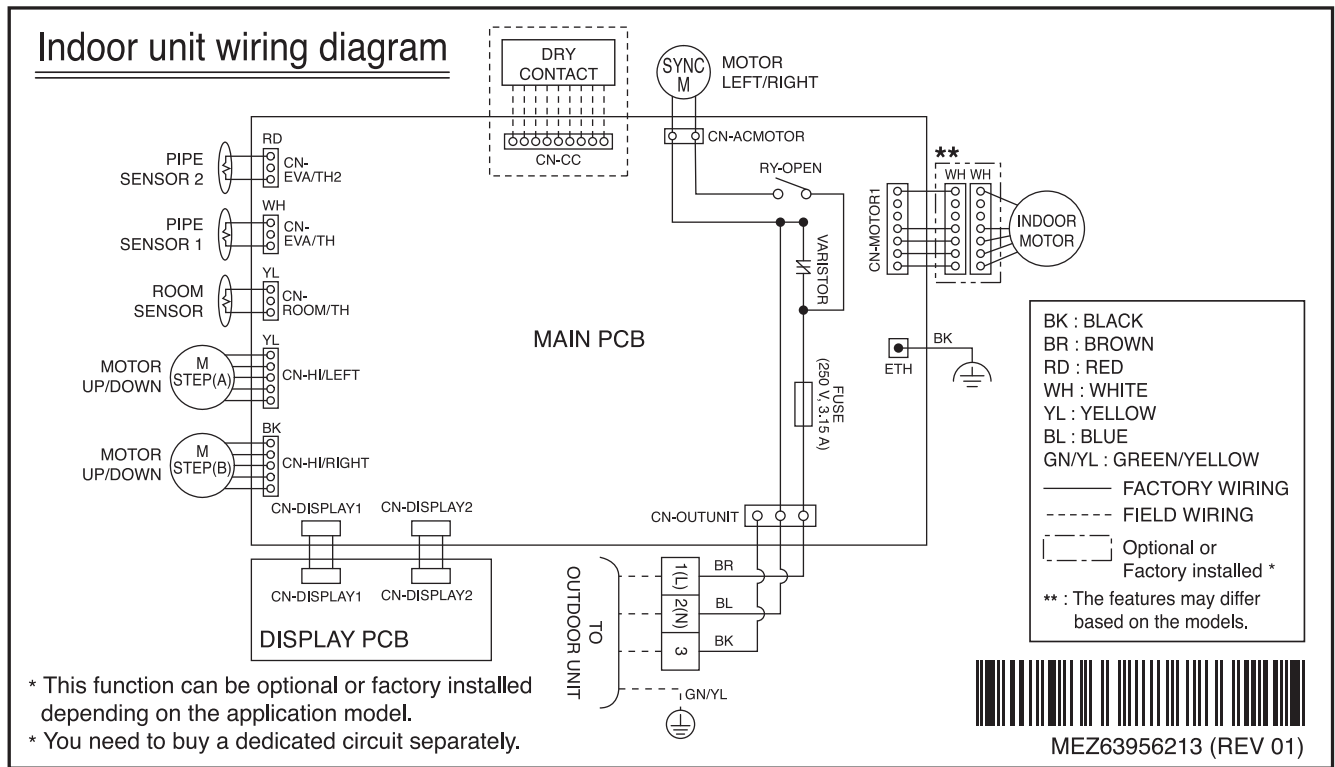
### 4.5 Piping Diagrams

#### 4.5.1 Normal



4. ZPNQ36LR5A0

4.6 Wiring Diagrams

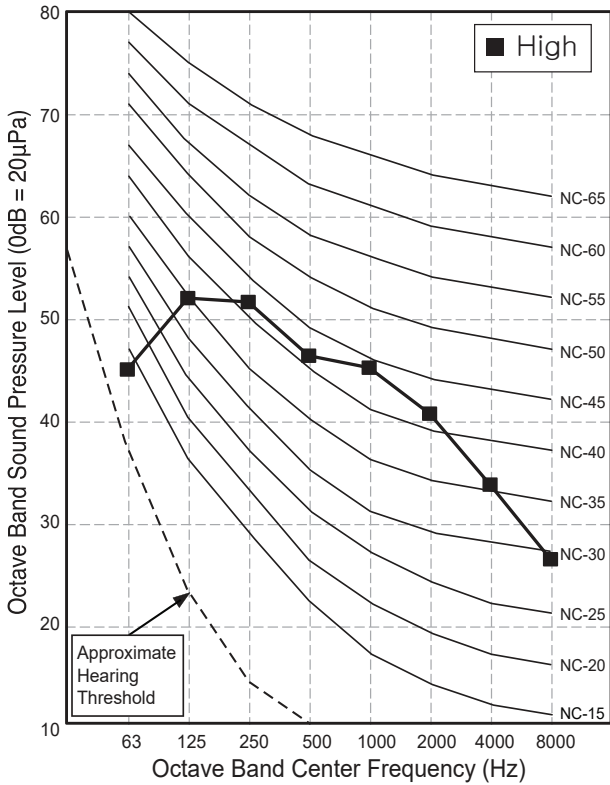


\* This function can be optional or factory installed depending on the application model.  
 \* You need to buy a dedicated circuit separately.

## 4. ZPNQ36LR5A0

### 4.7 Sound Levels

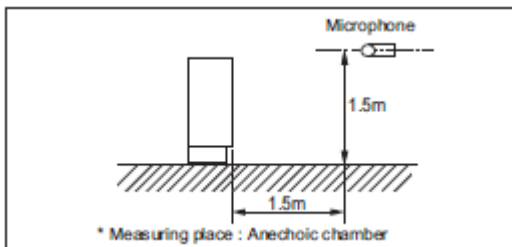
#### 4.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	52 / 47 / 44 / 41

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.
- Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.

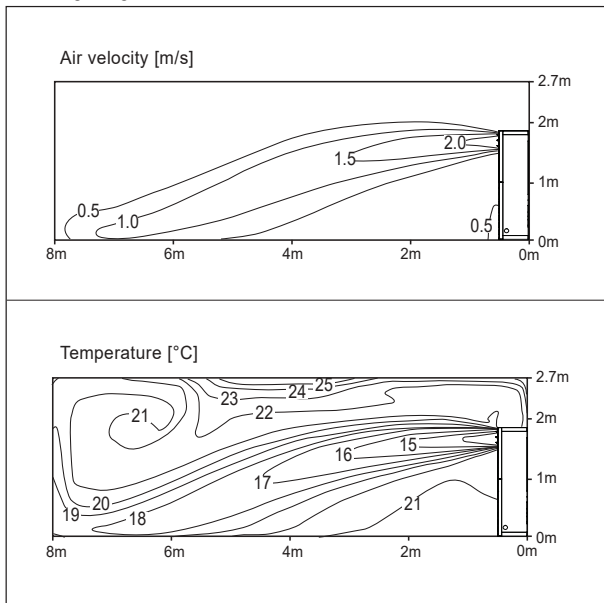


## 4. ZPNQ36LR5A0

### 4.8 Air flow and temperature distributions

#### 4.8.1 Cooling operation

Discharge angle : 90°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 5. ZPNQ36GT3E0

## 5.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	PT3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	200
Running Current	Maximum	A	1.2
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	33.0 / 30.0 / 26.0 / 22.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	224
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 38 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.34
Dimensions	Net(W x H x D)	mm	590 x 1840 x 440
	Shipping(W x H x D)	mm	681 x 1927 x 521
Weight	Net	kg	49
	Shipping	kg	57
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	X
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	Φ20 , Φ17 /Φ12.2
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	-
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-49/45/41
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.2
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 5. ZPNQ36GT3E0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.

Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 5. ZPNQ36GT3E0

## 5.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 4 / -
	Fan Speed Auto*	X
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	X
	Group Control*	X
	Sleep Timer	X
	Turn On/Off Reservation	O
	Schedule*	X
	Two Thermistor Control*	X
	External On/Off	X
Installation	Drain Pump	X
	High Ceiling Operation*	X
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	X
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 5. ZPNQ36GT3E0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.



## 5. ZPNQ36GT3E0

## 5.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	X
		PREMTA000A	-	X
		PREMTA000B	-	X
	Wired - RS3 (Standard III)	PREMTB100	White	X
		PREMTBB10	Black	X
	Wired - RS2 (Standard II)	PREMTB001	White	X
		PREMTBB01	Black	X
	Wired - Simple	PQRCVCL0QW	White	X
		PQRCVCL0Q	Black	X
	Wired - Simple for hotel	PQRCHCA0QW	White	X
		PQRCHCA0Q	Black	X
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
		PWLSSB21H	For Heat pump	X
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	X
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	X
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	X
	2-Remo Control wire	PZCWRC2	-	X
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

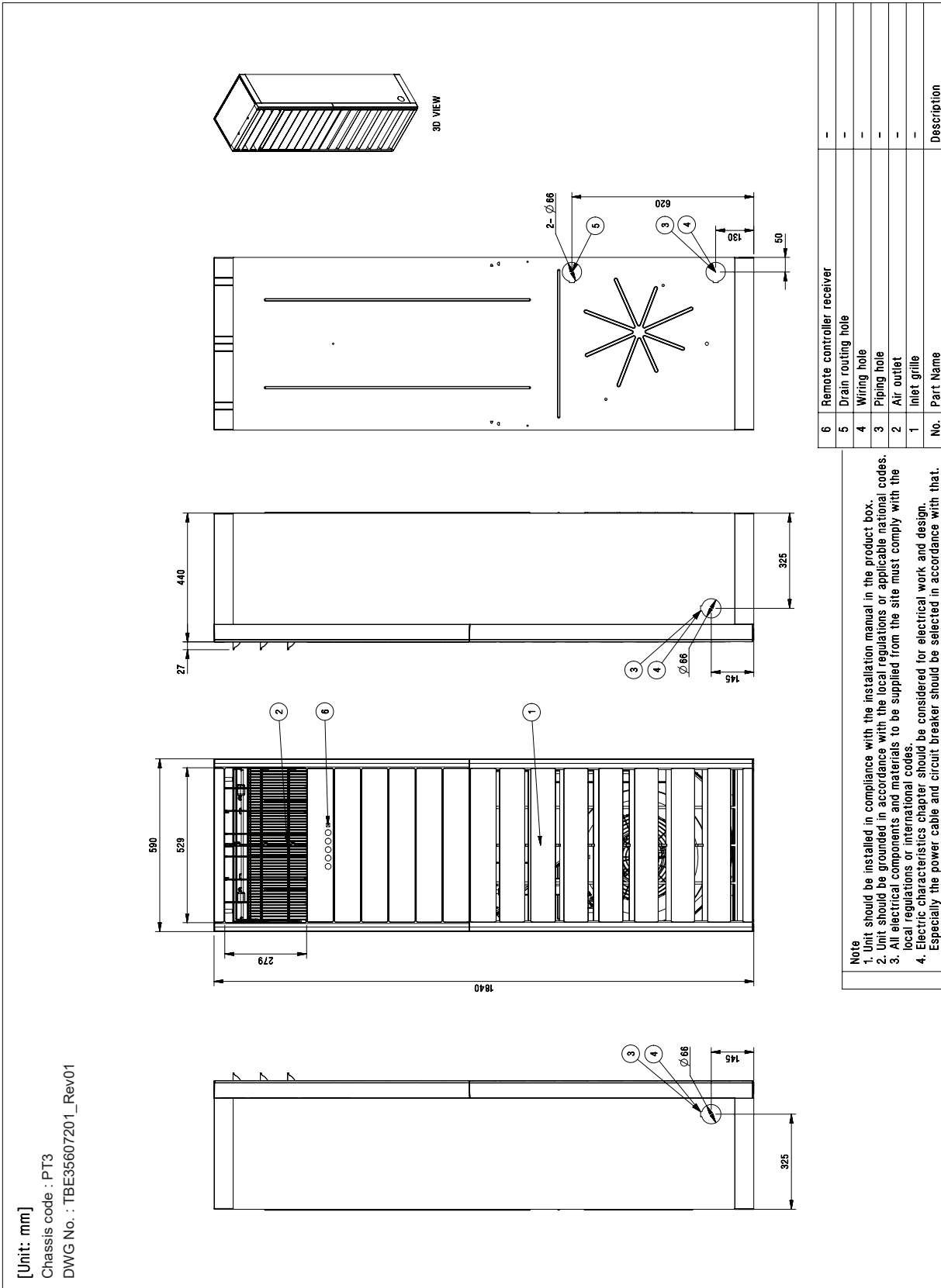
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

5. ZPNQ36GT3E0

5.4 Dimensions

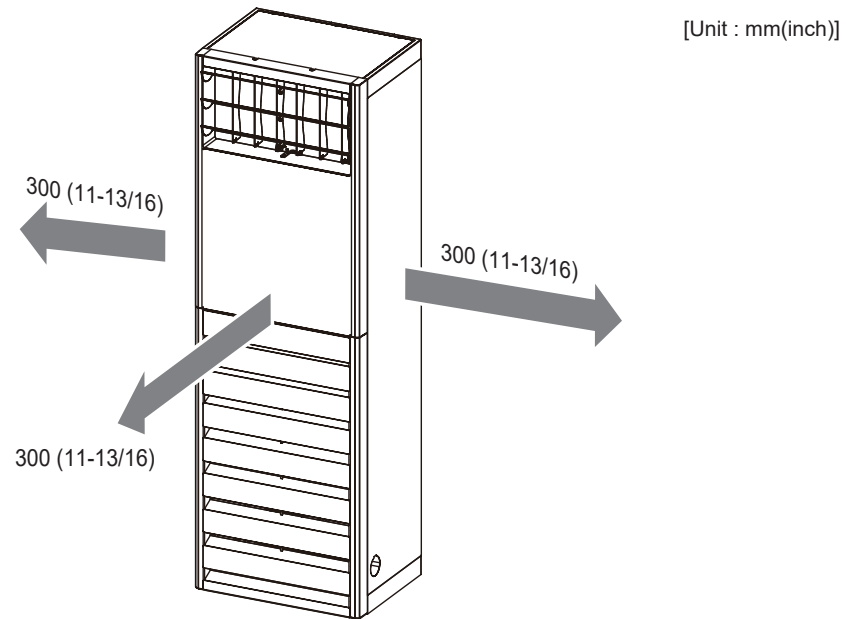
5.4.1 Product



[Unit: mm]  
 Chassis code : PT3  
 DWG No. : TBE35607201\_Rev01

## 5. ZPNQ36GT3E0

### 5.4.2 Install Space

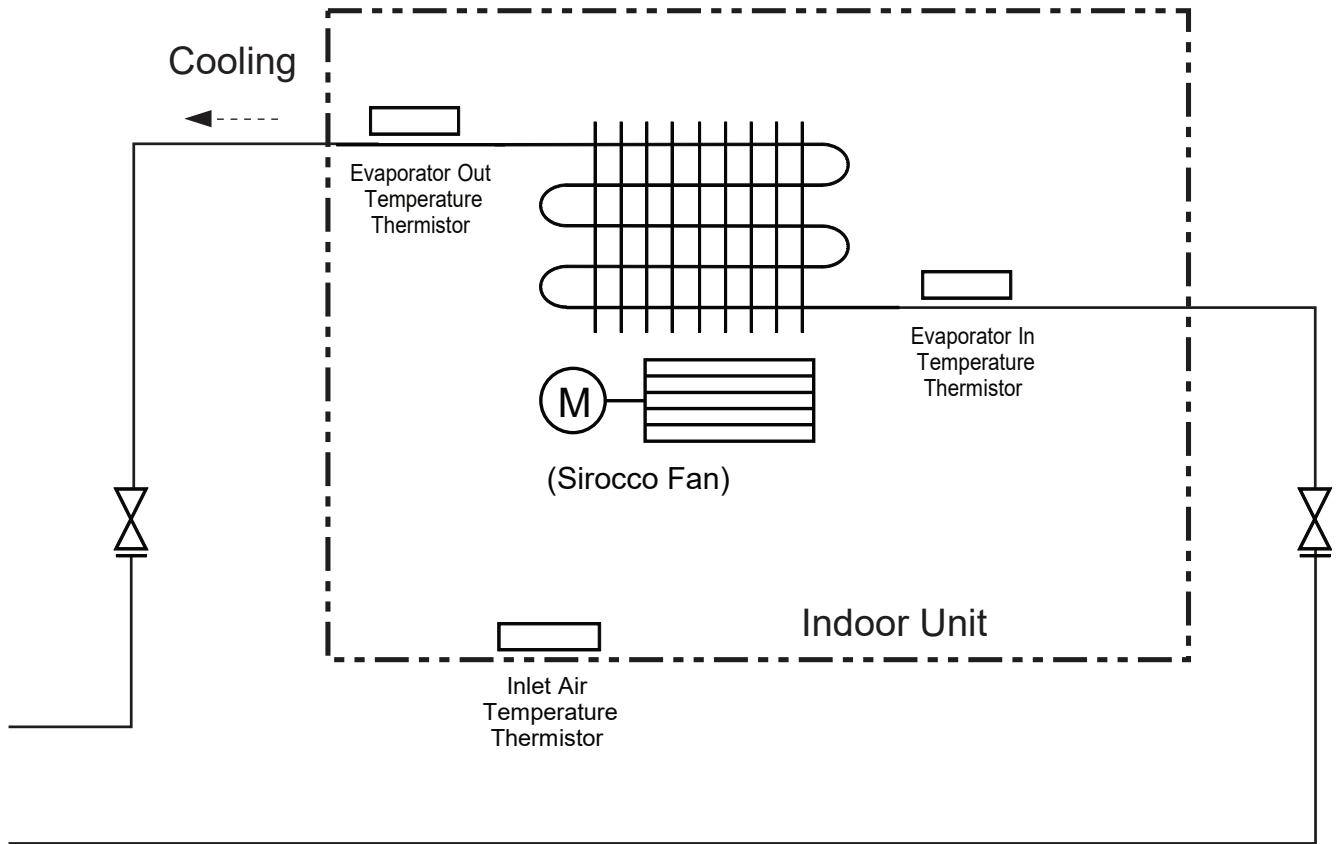
**Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

5. ZPNQ36GT3E0

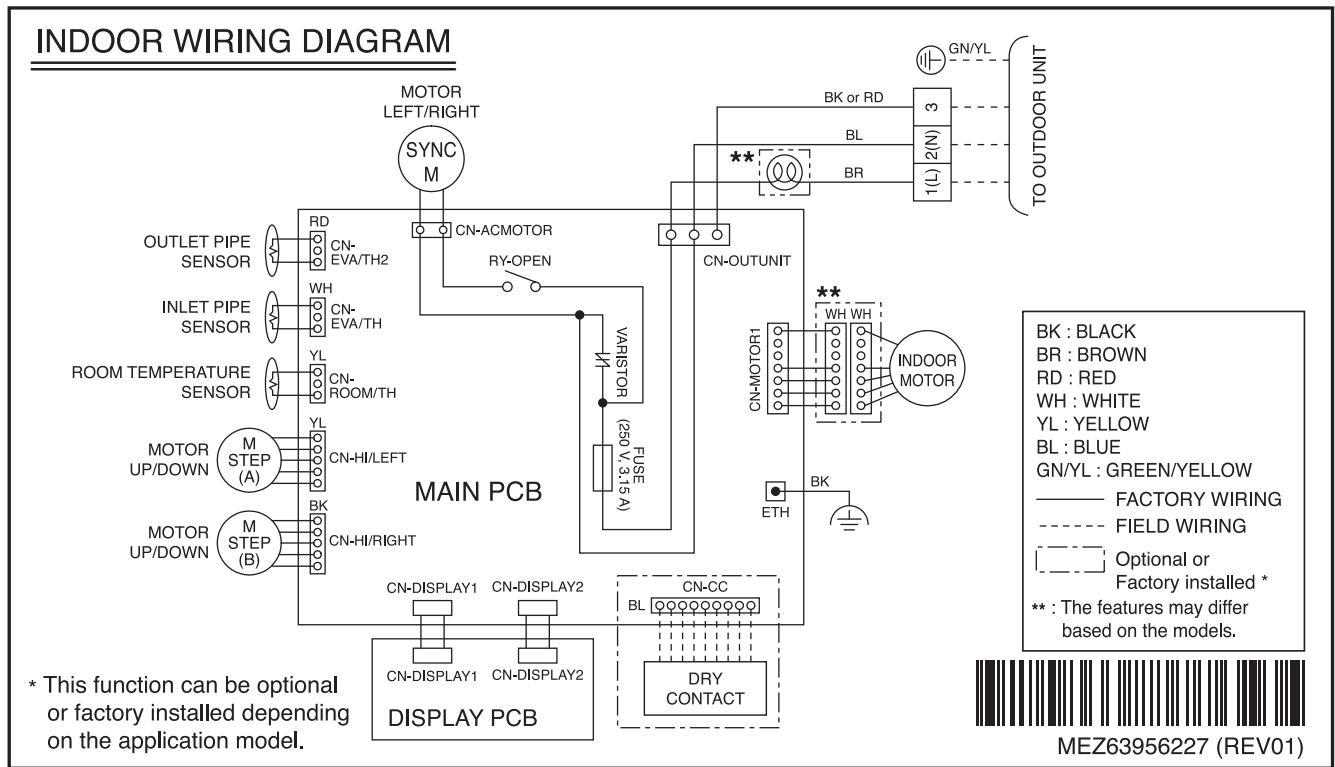
5.5 Piping Diagrams

5.5.1 Normal



5. ZPNQ36GT3E0

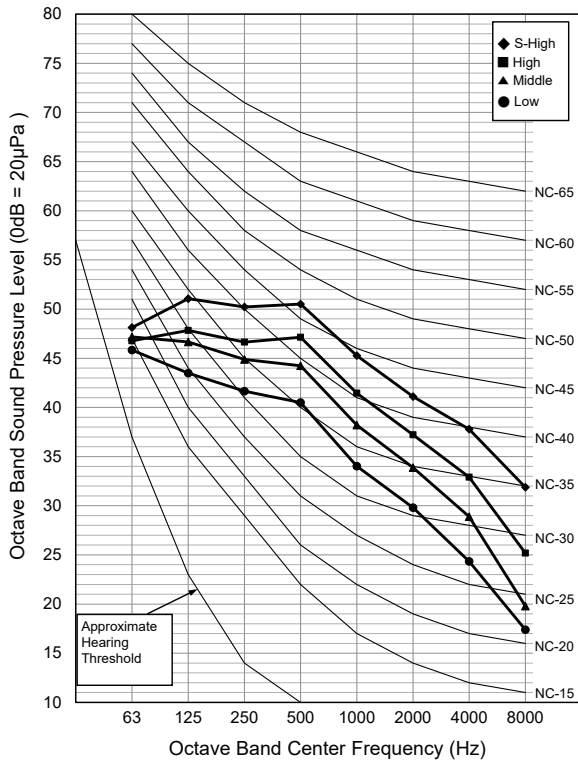
5.6 Wiring Diagrams



## 5. ZPNQ36GT3E0

### 5.7 Sound Levels

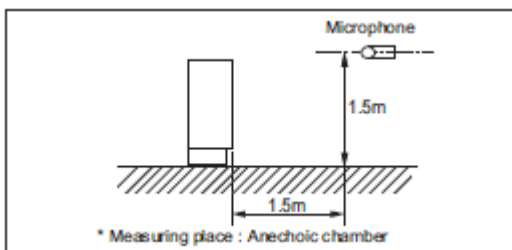
#### 5.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	-/49/45/41

**Note**

- Sound measured at some distance away from the center of the unit.
  - Data is valid at free field condition.
  - Reference accoustic pressure 0dB = 20µPa.
  - Data is valid at nominal operation condition.
- Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
  - Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.

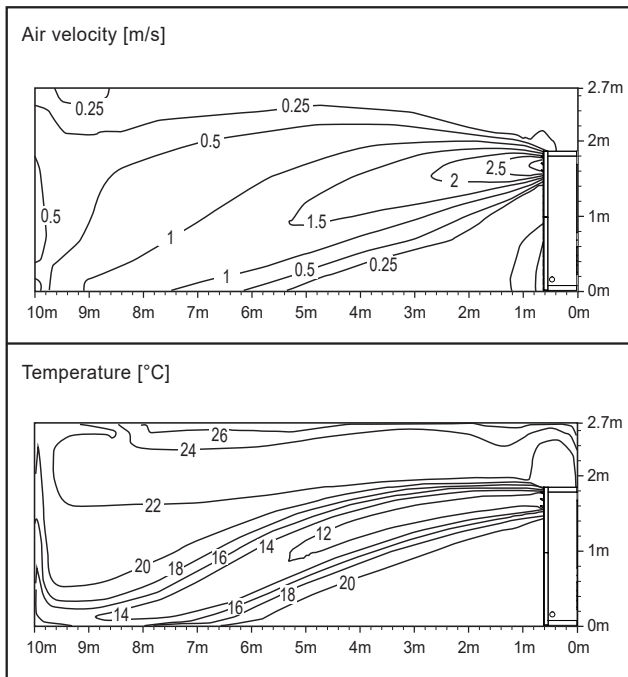


## 5. ZPNQ36GT3E0

### 5.8 Air flow and temperature distributions

#### 5.8.1 Cooling operation

Discharge angle: 90°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 6. ZPNQ48GT3A0

## 6.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	PT3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	200
Running Current	Maximum	A	1.2
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	37.0 / 33.0 / 28.0 / 24.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	224
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 38 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.34
Dimensions	Net(W x H x D)	mm	590 x 1840 x 440
	Shipping(W x H x D)	mm	681 x 1927 x 521
Weight	Net	kg	49
	Shipping	kg	57
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	X
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	Φ20 , Φ17 /Φ12.2
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	-
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-51/49/47
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.2
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.



## 6. ZPNQ48GT3A0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.

Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 6. ZPNQ48GT3A0

## 6.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 4 / -
	Fan Speed Auto*	X
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	X
	Group Control*	X
	Sleep Timer	X
	Turn On/Off Reservation	O
	Schedule*	X
	Two Thermistor Control*	X
	External On/Off	X
Installation	Drain Pump	X
	High Ceiling Operation*	X
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	X
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 6. ZPNQ48GT3A0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 6. ZPNQ48GT3A0

## 6.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	X
		PREMTA000A	-	X
		PREMTA000B	-	X
	Wired - RS3 (Standard III)	PREMTB100	White	X
		PREMTBB10	Black	X
	Wired - RS2 (Standard II)	PREMTB001	White	X
		PREMTBB01	Black	X
	Wired - Simple	PQRCVCL0QW	White	X
		PQRCVCL0Q	Black	X
	Wired - Simple for hotel	PQRCHCA0QW	White	X
		PQRCHCA0Q	Black	X
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
		PWLSSB21H	For Heat pump	X
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	X
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	X
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	X
	2-Remo Control wire	PZCWRC2	-	X
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
		PTDCA	For TM-A/TP-B Chassis	X

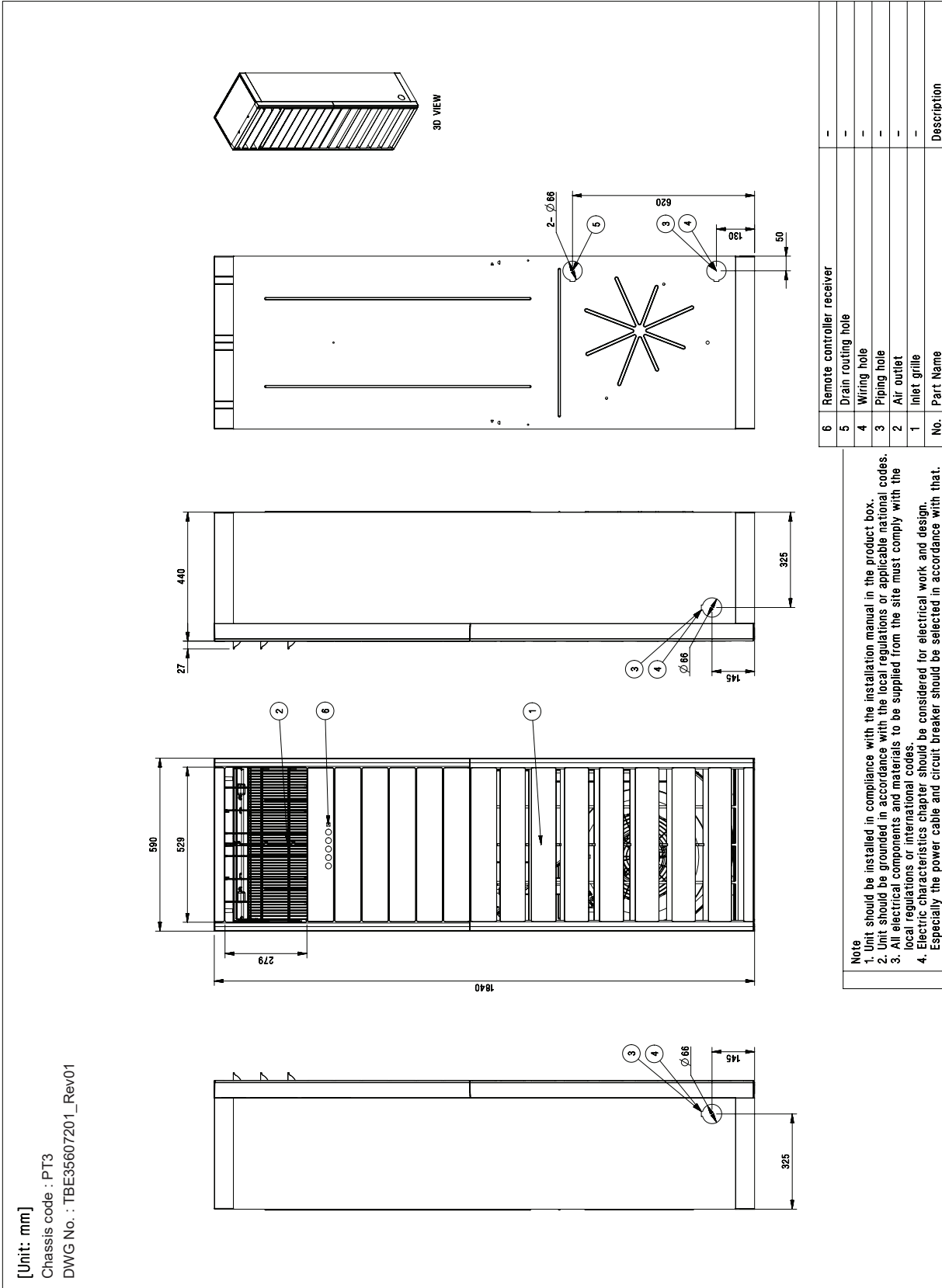
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

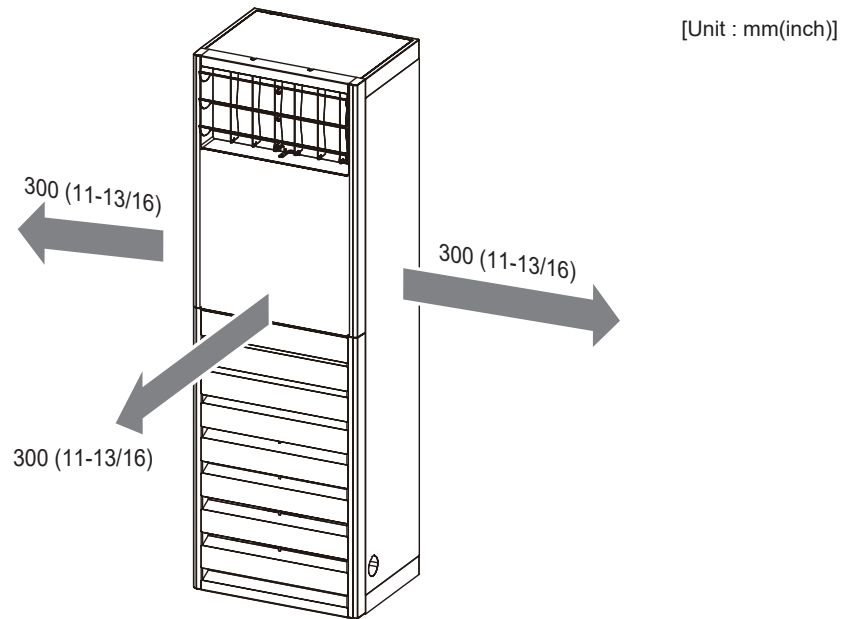
6. ZPNQ48GT3A0

6.4 Dimensions

6.4.1 Product



[Unit: mm]  
 Chassis code : PT3  
 DWG No. : TBE35607201\_Rev01

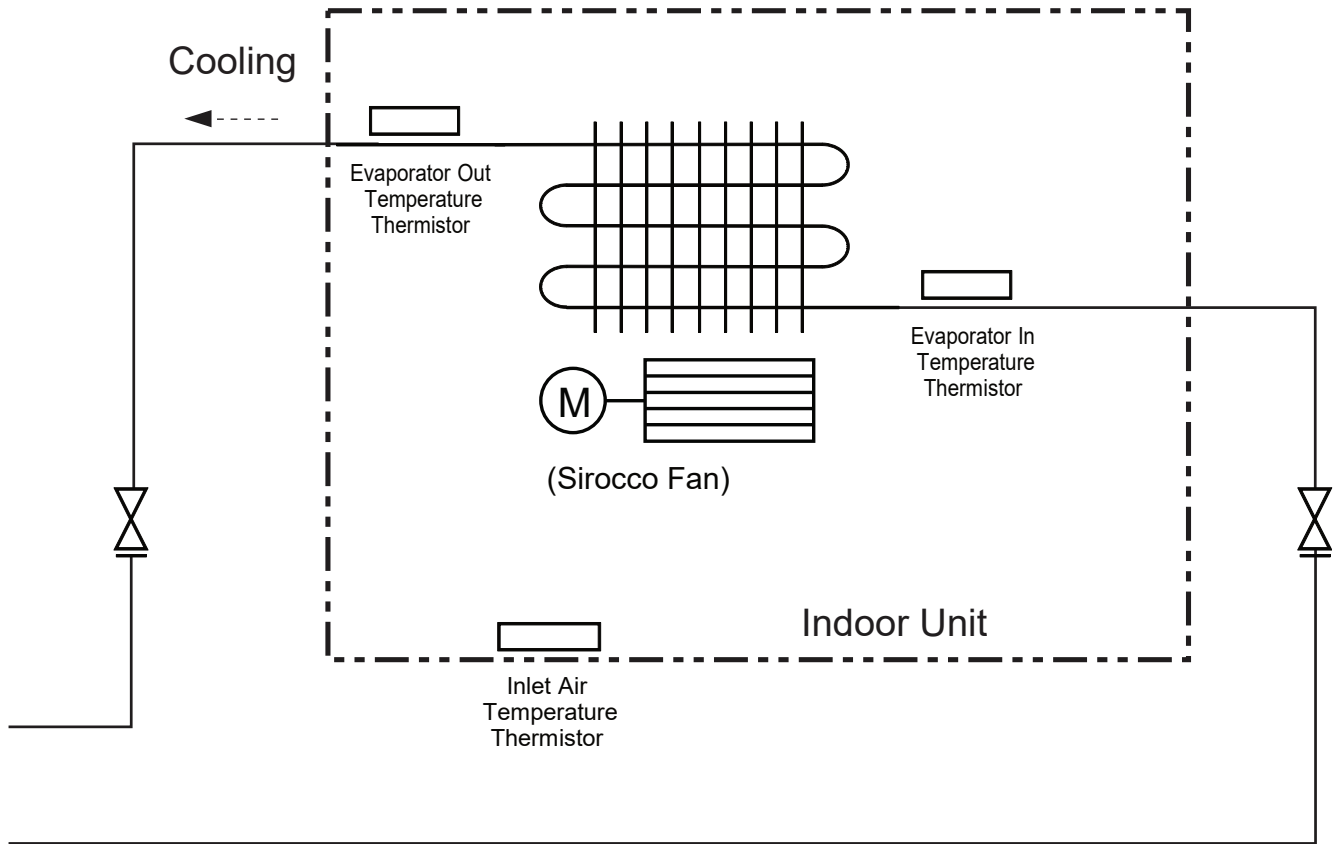
**6. ZPNQ48GT3A0****6.4.2 Install Space****Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

6. ZPNQ48GT3A0

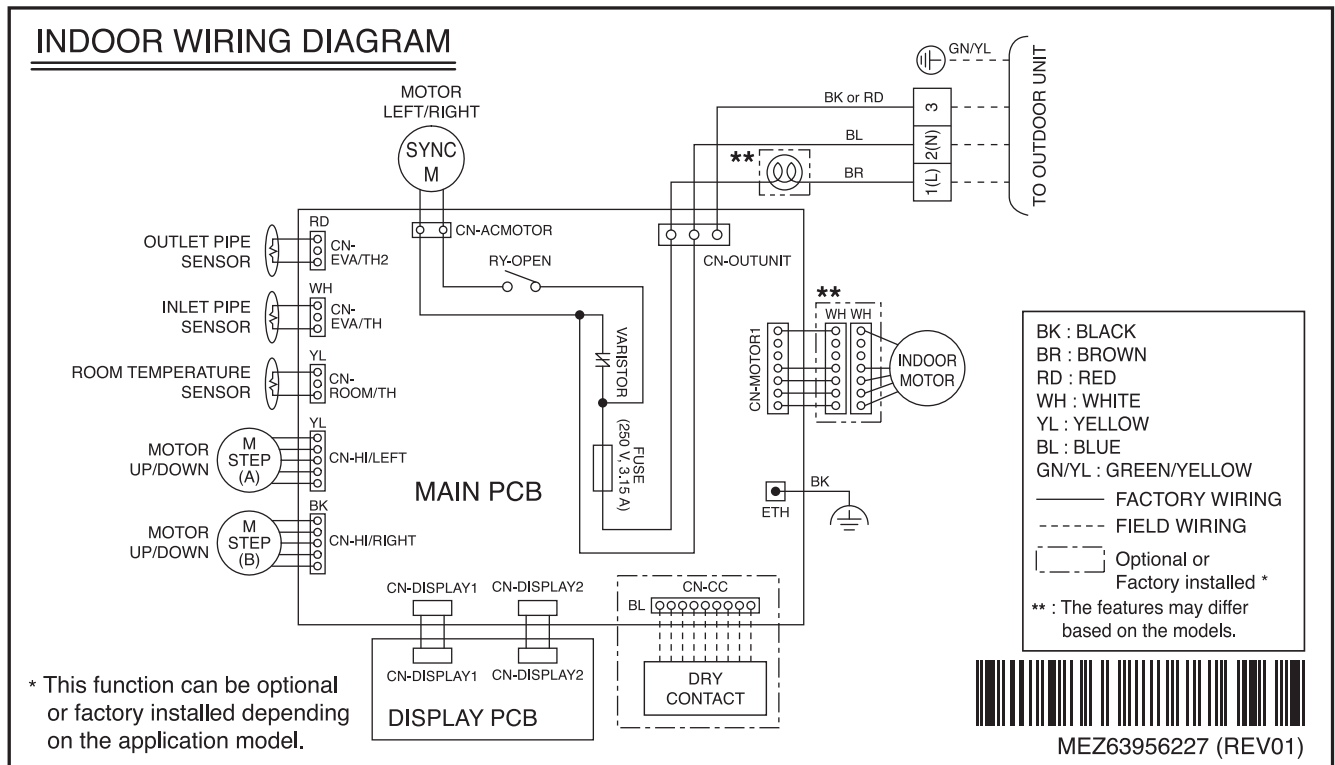
6.5 Piping Diagrams

6.5.1 Normal



6. ZPNQ48GT3A0

6.6 Wiring Diagrams

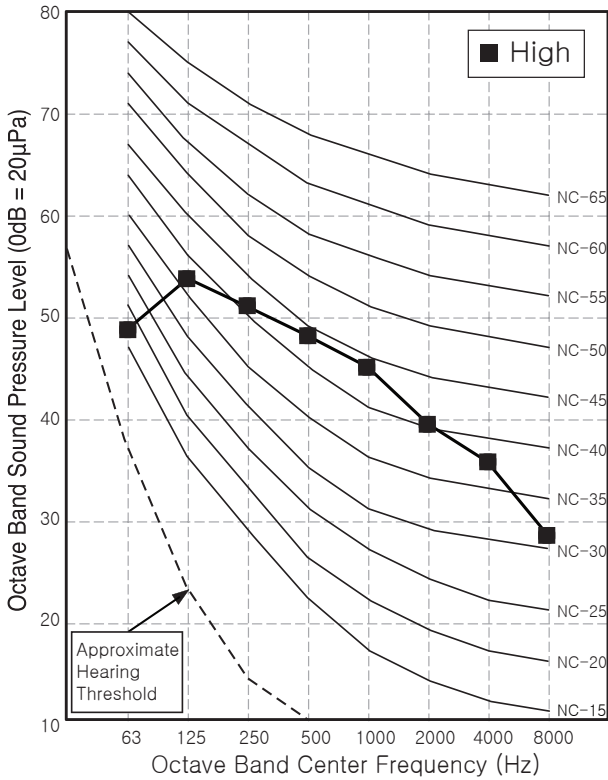




## 6. ZPNQ48GT3A0

### 6.7 Sound Levels

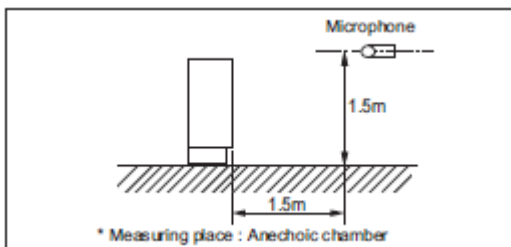
#### 6.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	-/51/49/47

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

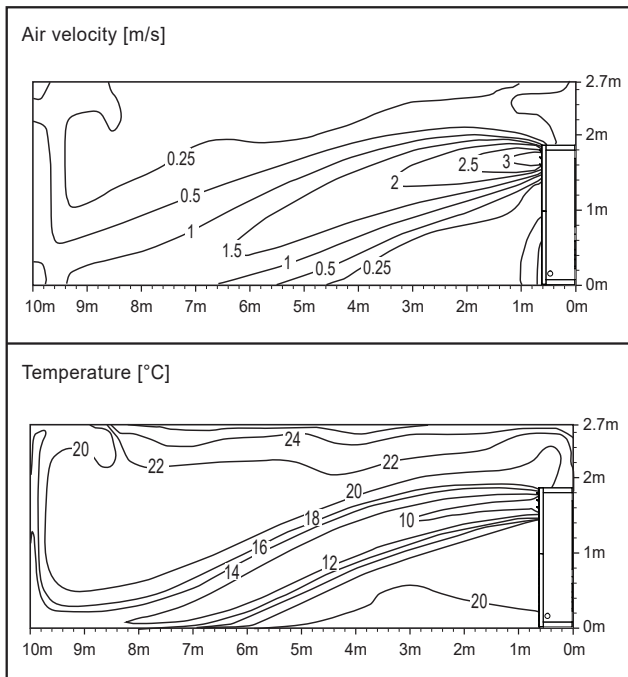


## 6. ZPNQ48GT3A0

### 6.8 Air flow and temperature distributions

#### 6.8.1 Cooling operation

Discharge angle: 90°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 7. ZPNQ48LT3A0

## 7.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	PT3
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	200
Running Current	Maximum	A	1.2
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Sirocco Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	37.0 / 33.0 / 28.0 / 24.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	224
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 38 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.34
Dimensions	Net(W x H x D)	mm	590 x 1840 x 440
	Shipping(W x H x D)	mm	681 x 1927 x 521
Weight	Net	kg	49
	Shipping	kg	57
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	X
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	Φ20 , Φ17 /Φ12.2
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	-
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-51/49/47
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.2
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 7. ZPNQ48LT3A0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 7. ZPNQ48LT3A0

## 7.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 4 / -
	Fan Speed Auto*	X
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	X
	Group Control*	X
	Sleep Timer	X
	Turn On/Off Reservation	O
	Schedule*	X
	Two Thermistor Control*	X
	External On/Off	X
Installation	Drain Pump	X
	High Ceiling Operation*	X
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	X
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 7. ZPNQ48LT3A0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 7. ZPNQ48LT3A0

## 7.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	X
		PREMTA000A	-	X
		PREMTA000B	-	X
	Wired - RS3 (Standard III)	PREMTB100	White	X
		PREMTBB10	Black	X
	Wired - RS2 (Standard II)	PREMTB001	White	X
		PREMTBB01	Black	X
	Wired - Simple	PQRCVCL0QW	White	X
		PQRCVCL0Q	Black	X
	Wired - Simple for hotel	PQRCHCA0QW	White	X
		PQRCHCA0Q	Black	X
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
		PWLSSB21H	For Heat pump	X
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	X
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	X
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	X
	2-Remo Control wire	PZCWRC2	-	X
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
		PTDCA	For TM-A/TP-B Chassis	X

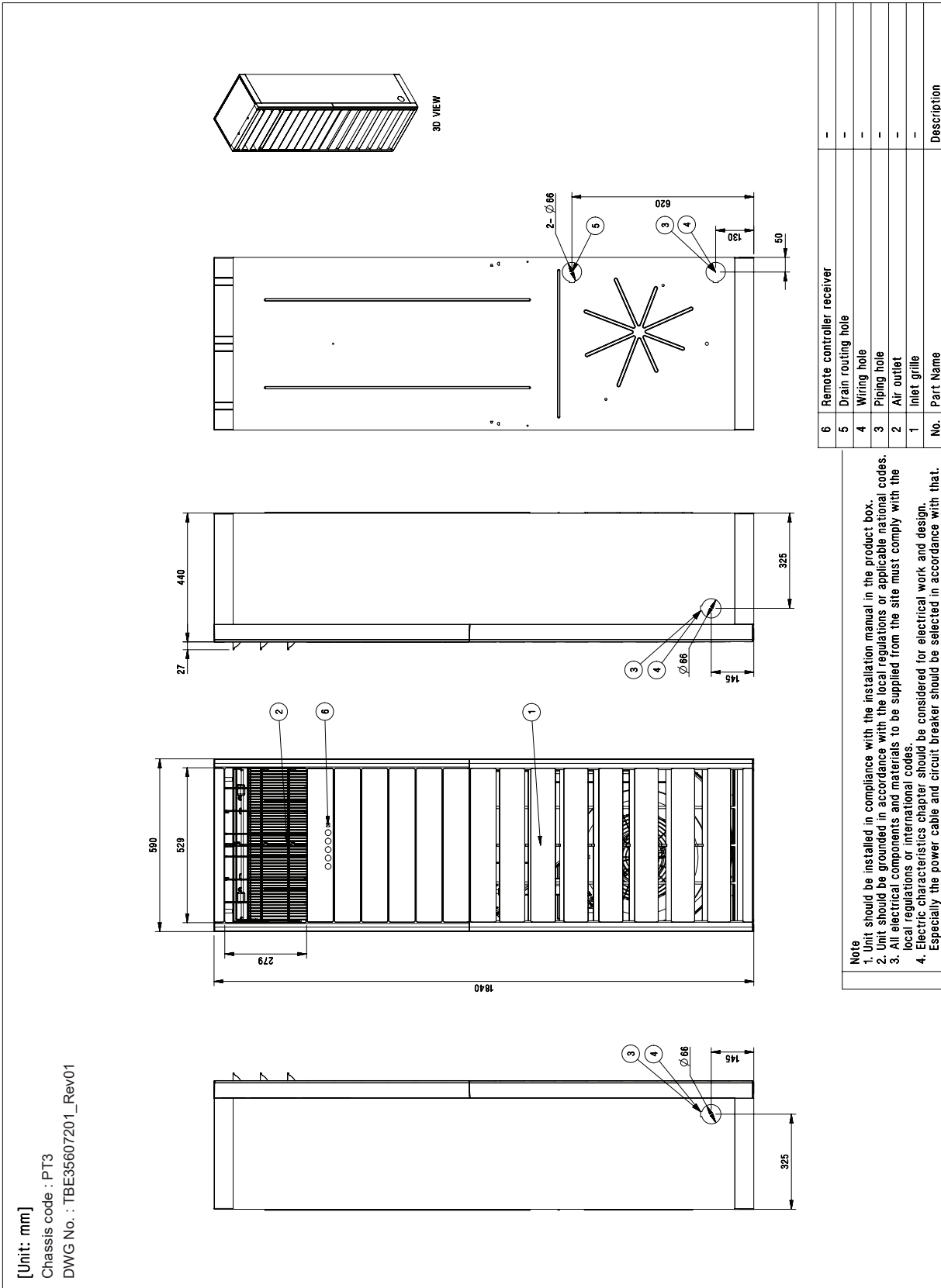
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

7. ZPNQ48LT3A0

7.4 Dimensions

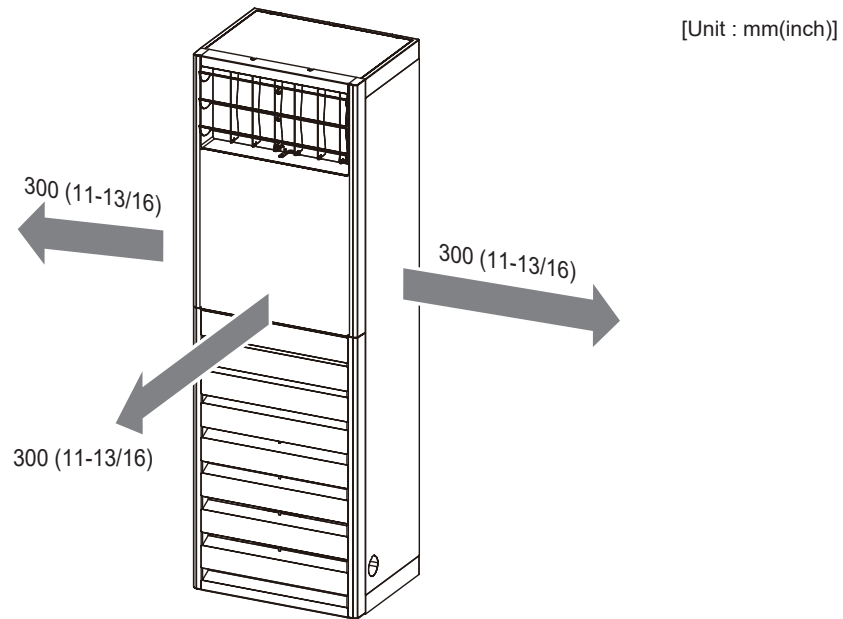
7.4.1 Product





## 7. ZPNQ48LT3A0

### 7.4.2 Install Space

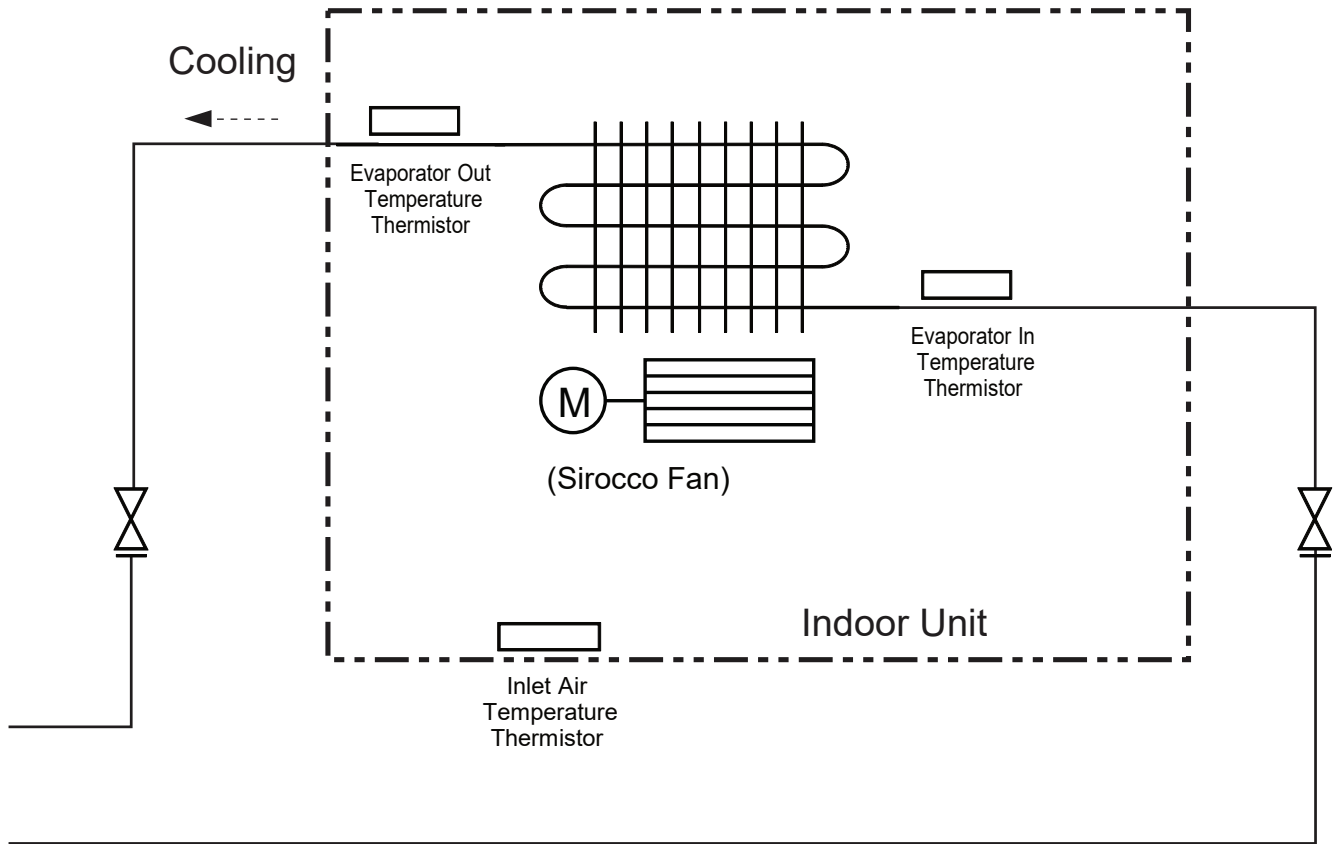
**Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.

7. ZPNQ48LT3A0

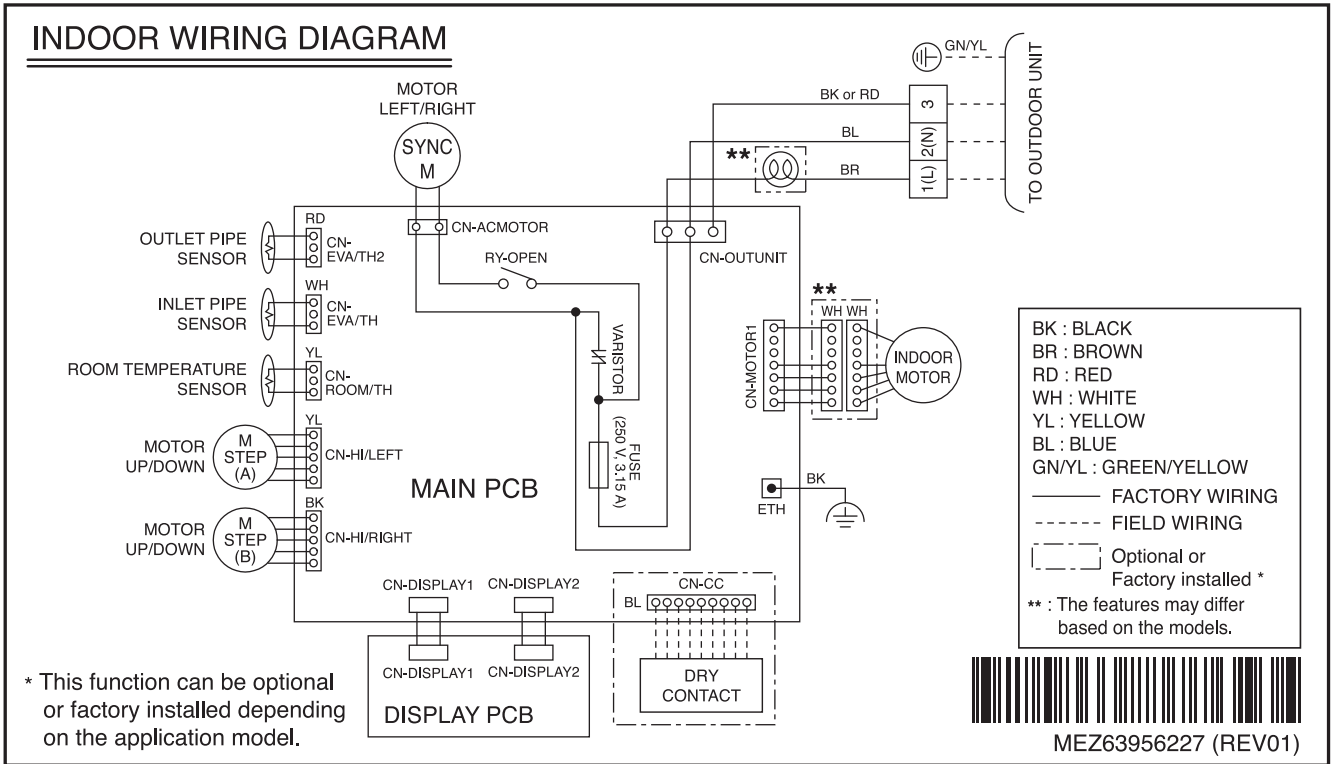
7.5 Piping Diagrams

7.5.1 Normal



7. ZPNQ48LT3A0

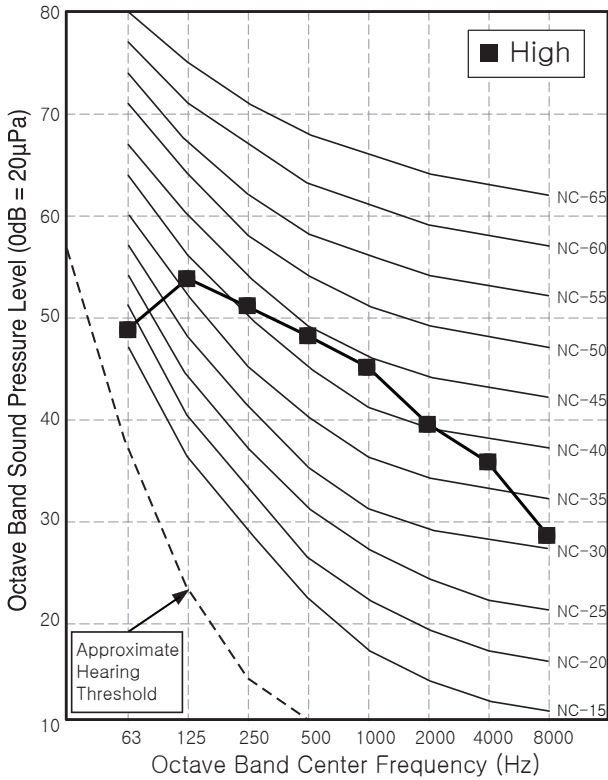
7.6 Wiring Diagrams



7. ZPNQ48LT3A0

7.7 Sound Levels

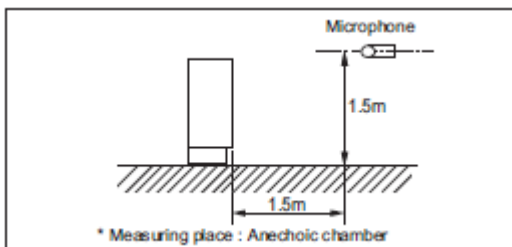
7.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	-/51/49/47

Note

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

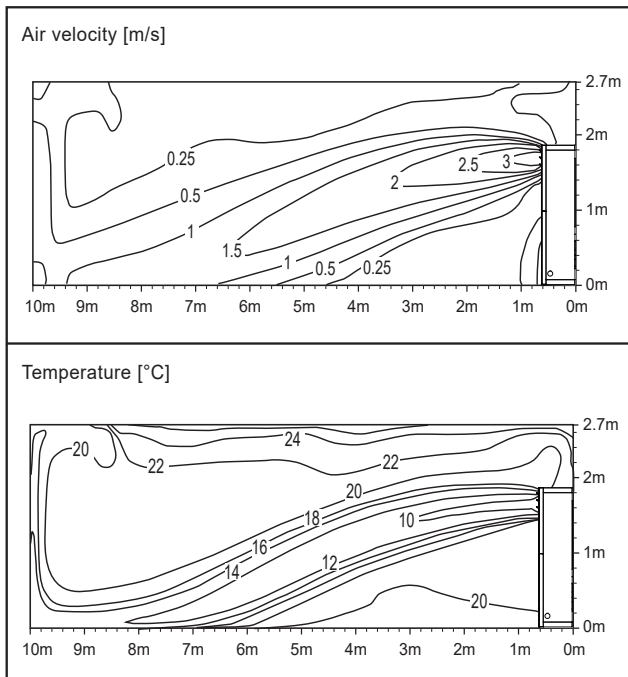


## 7. ZPNQ48LT3A0

### 7.8 Air flow and temperature distributions

#### 7.8.1 Cooling operation

Discharge angle: 90°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 1. ZTNQ12GULA0

## 1.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TU
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	46
Running Current	Maximum	A	0.4
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Cross Flow Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 9.0 / 8.0 / 7.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	30
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 × 12 × 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.18
Dimensions	Net(W x H x D)	mm	860 x 132 x 450
	Shipping(W x H x D)	mm	1125 x 252 x 538
Weight	Net	kg	11.7
	Shipping	kg	14.4
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø 32.0 / 25.0
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ9.52 (3/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 37 / 36 / 33
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> × cores	4C x 0.75
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.4
Decoration Panel	Model Name	-	PT-UAHG0
	Net Dimensions(W x H x D)	mm	1,160 × 34 × 500
	Shipping Dimensions(W x H x D)	mm	1,200 × 114 × 552
	Net Weight	kg	3.9
	Shipping Weight	kg	5.6

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 1. ZTNQ12GULA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 1. ZTNQ12GULA0

## 1.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	X
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)



## 1. ZTNQ12GULA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 1. ZTNQ12GULA0

## 1.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	O
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

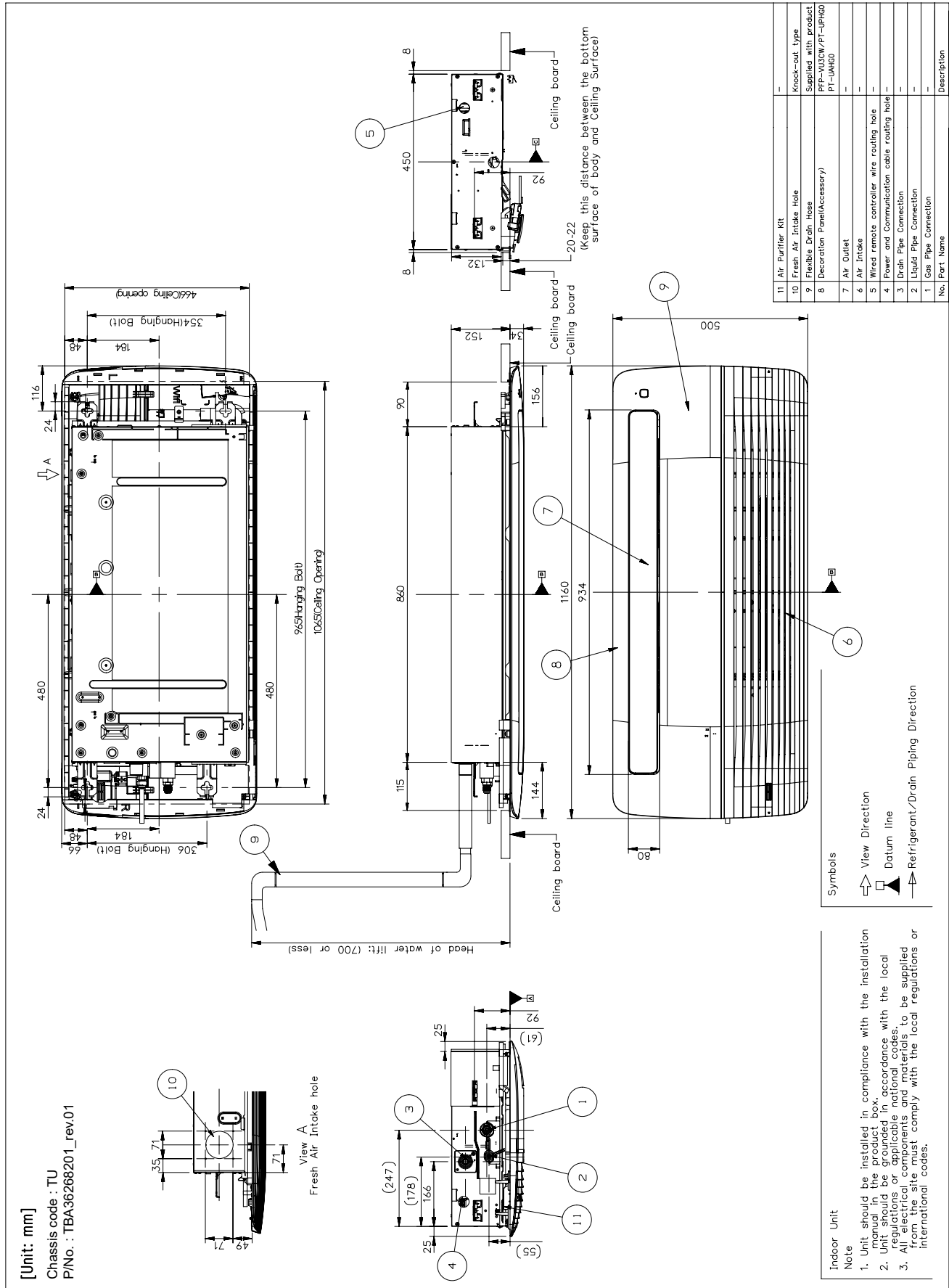
**Note**

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- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

1. ZTNQ12GULA0

1.4 Dimensions

1.4.1 Product

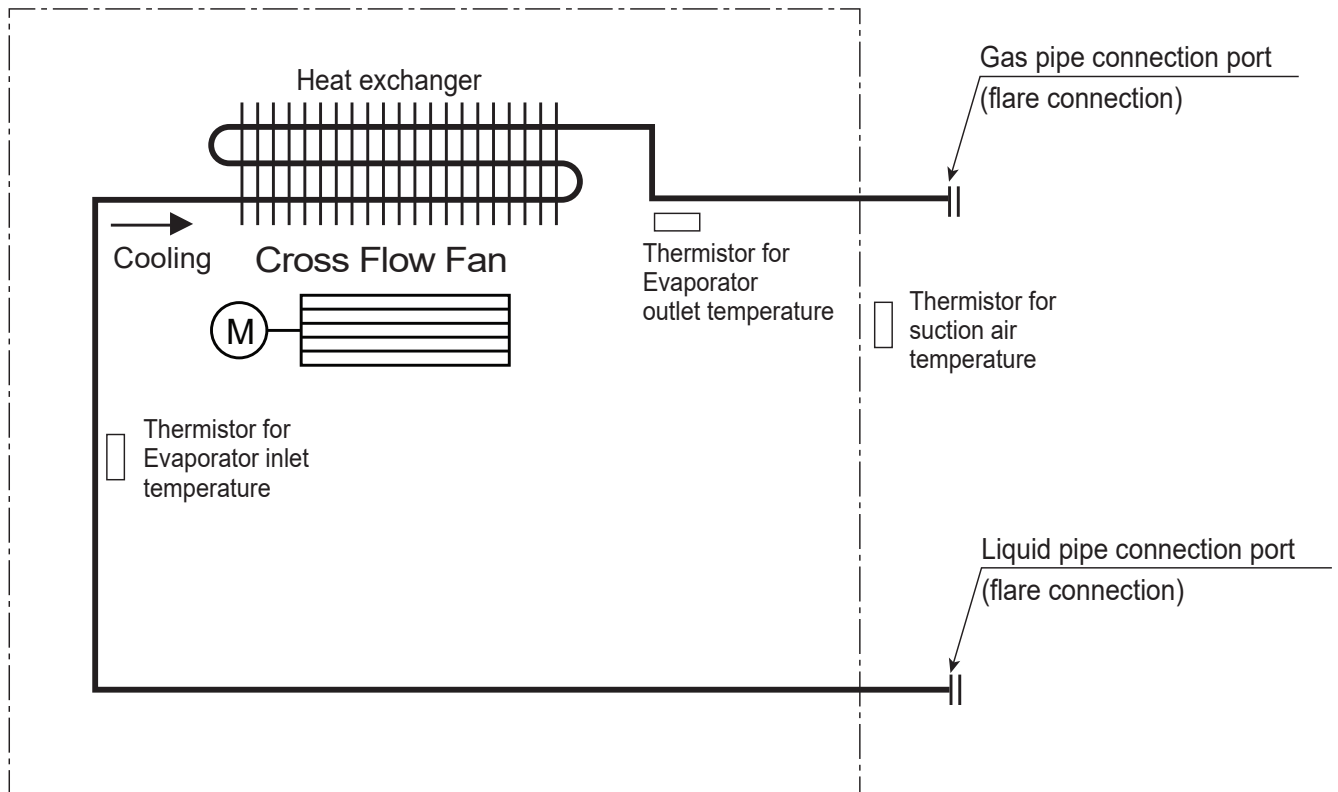




# 1. ZTNQ12GULA0

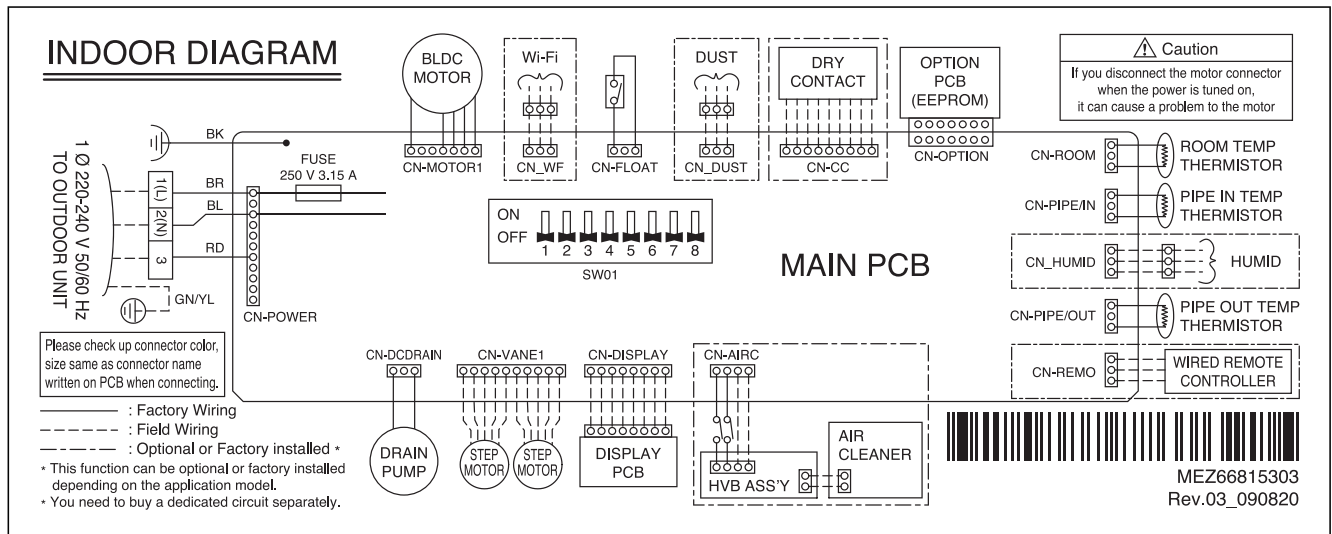
## 1.5 Piping Diagrams

### 1.5.1 Normal



1. ZTNQ12GULA0

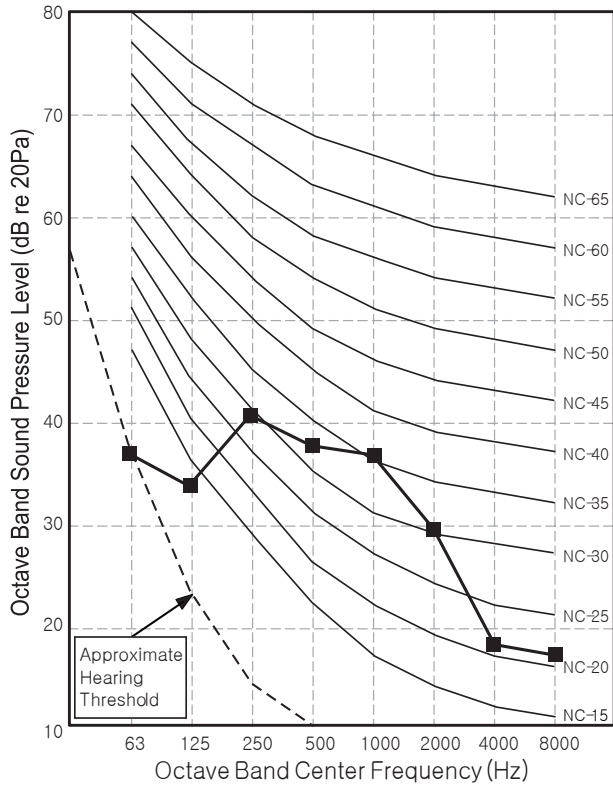
1.6 Wiring Diagrams



# 1. ZTNQ12GULA0

## 1.7 Sound Levels

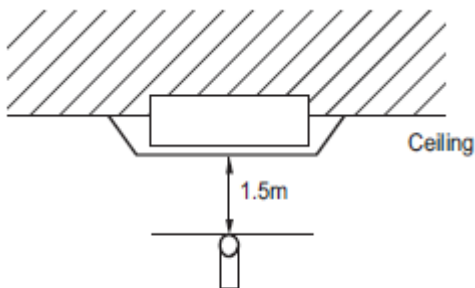
### 1.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 37 / 36 / 33

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20μPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



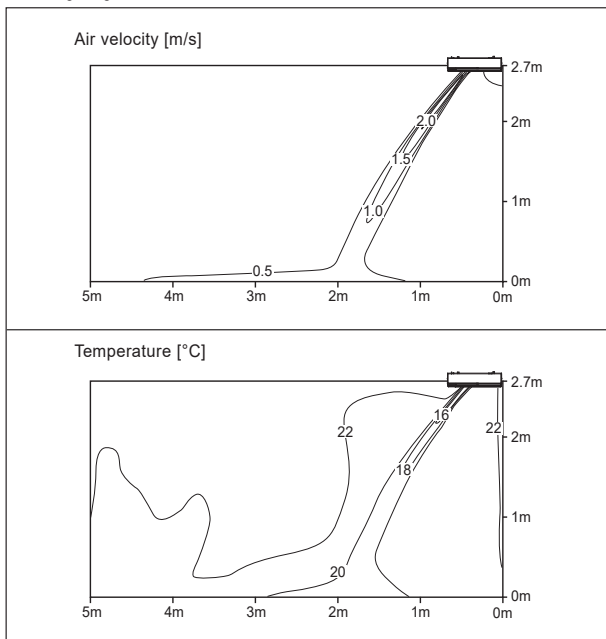
\* Measuring place : Anechoic chamber

## 1. ZTNQ12GULA0

### 1.8 Air flow and temperature distributions

#### 1.8.1 Cooling operation

Discharge angle: 50°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.



## 2. ZTNQ18GTLA0

## 2.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TT
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	71
Running Current	Maximum	A	0.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Cross Flow Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 16.0 / 14.0 / 12.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	30
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 × 12 × 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.26
Dimensions	Net(W x H x D)	mm	1180 x 132 x 450
	Shipping(W x H x D)	mm	1445 x 252 x 538
Weight	Net	kg	14.5
	Shipping	kg	17.9
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø 32.0 / 25.0
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ12.7 (1/2)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 46 / 43 / 39
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> × cores	4C x 0.75
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.6
Decoration Panel	Model Name	-	PT-TAHG0
	Net Dimensions(W x H x D)	mm	1,480 × 34 × 500
	Shipping Dimensions(W x H x D)	mm	1,520 × 114 × 552
	Net Weight	kg	4.8
	Shipping Weight	kg	6.9

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 2. ZTNQ18GTLA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.

Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 2. ZTNQ18GTLA0

## 2.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	X
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 2. ZTNQ18GTLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 2. ZTNQ18GTLA0

## 2.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
		PWLSSB21H	For Heat pump	X
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	O
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
		PTDCA	For TM-A/TP-B Chassis	X

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

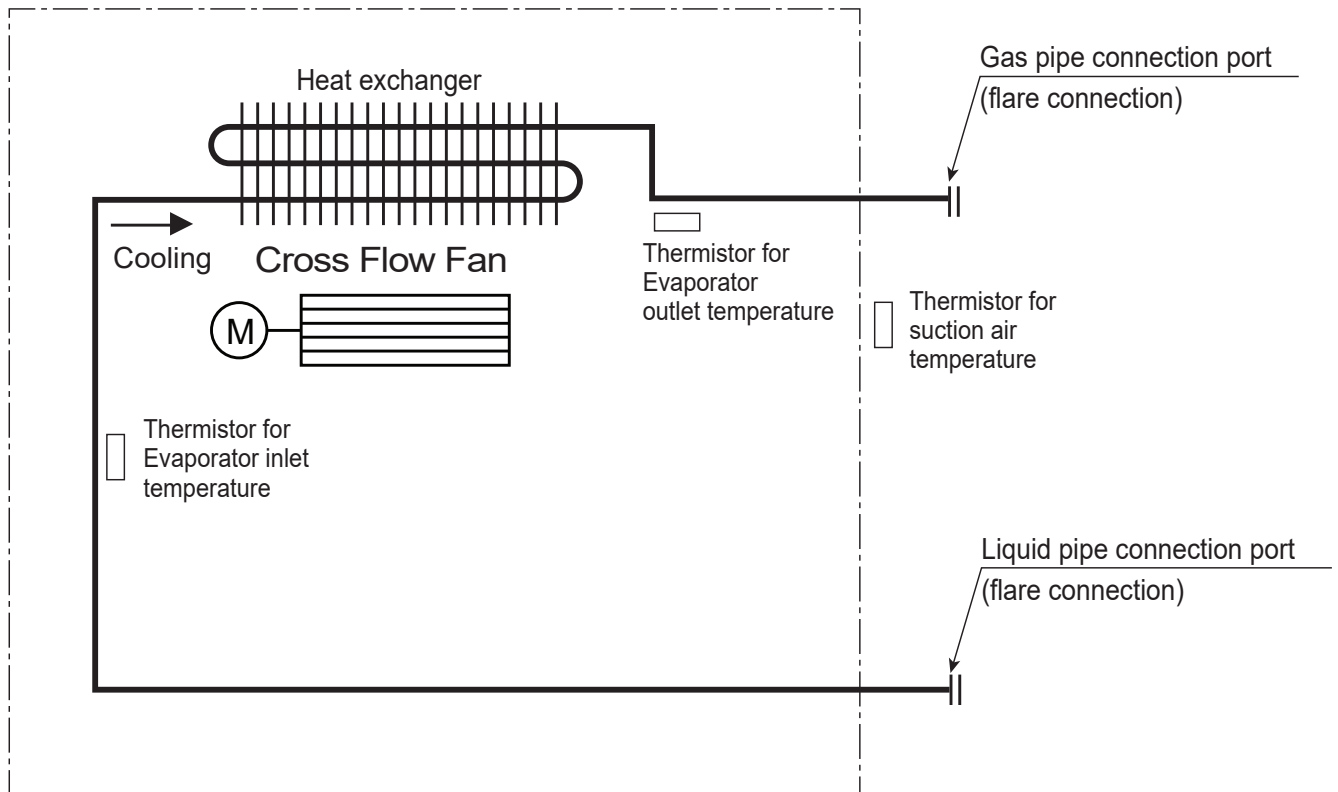




## 2. ZTNQ18GTLA0

### 2.5 Piping Diagrams

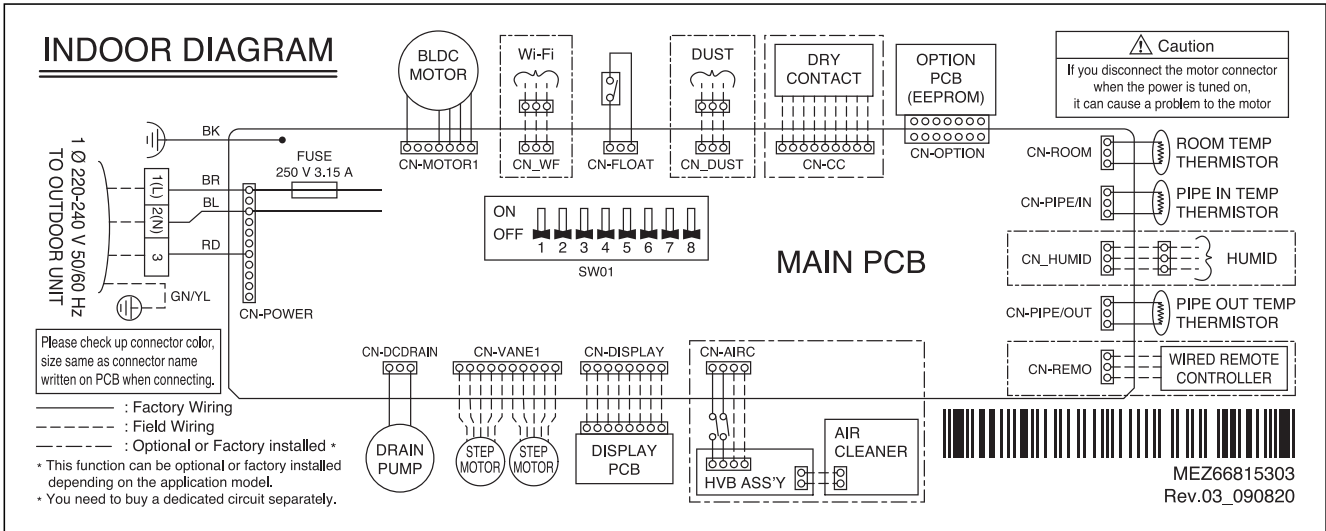
#### 2.5.1 Normal





2. ZTNQ18GTLA0

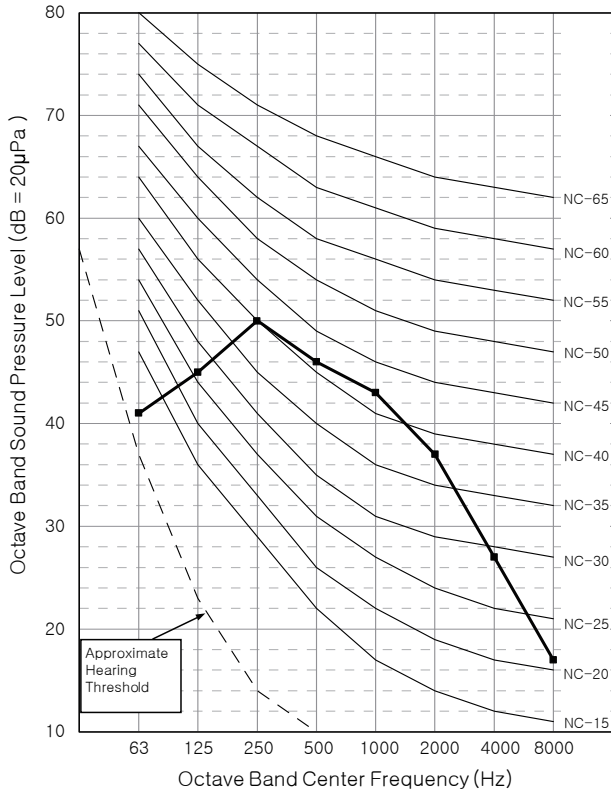
2.6 Wiring Diagrams



2. ZTNQ18GTLA0

2.7 Sound Levels

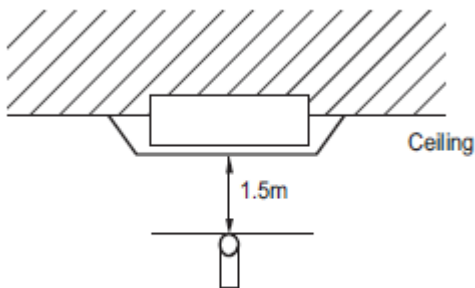
2.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 46 / 43 / 39

Note

- Sound measured at some distance away from the center of the unit.
  - Data is valid at free field condition.
  - Reference acoustic pressure 0dB = 20µPa.
  - Data is valid at nominal operation condition.
- Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
  - Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.



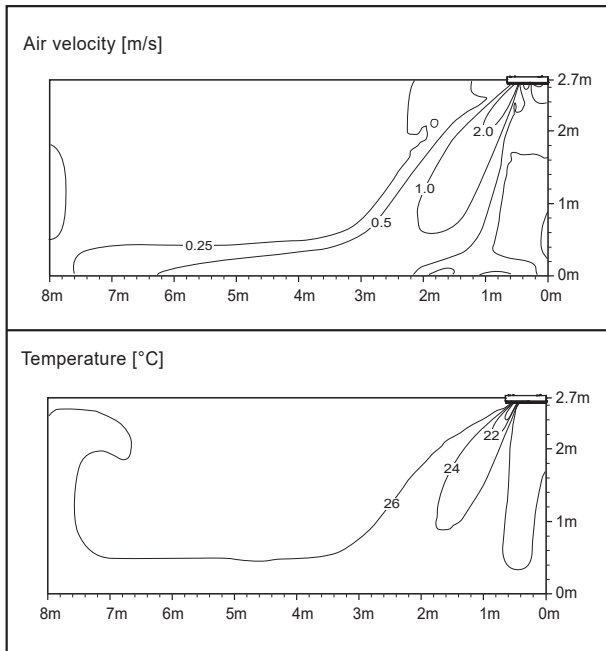
\* Measuring place : Anechoic chamber

## 2. ZTNQ18GTLA0

### 2.8 Air flow and temperature distributions

#### 2.8.1 Cooling operation

Discharge angle: 50°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 3. ZTNQ24GTLA0

## 3.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TT
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	71
Running Current	Maximum	A	0.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Cross Flow Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 16.0 / 14.0 / 12.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	30
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 × 12 × 18
	No.	-	1
	Face Area	m <sup>2</sup>	0.26
Dimensions	Net(W x H x D)	mm	1180 x 132 x 450
	Shipping(W x H x D)	mm	1445 x 252 x 538
Weight	Net	kg	14.5
	Shipping	kg	17.9
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø 32.0 / 25.0
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 46 / 43 / 39
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> × cores	4C x 0.75
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.6
Decoration Panel	Model Name	-	PT-TAHG0
	Net Dimensions(W x H x D)	mm	1480 × 34 × 500
	Shipping Dimensions(W x H x D)	mm	1,520 × 114 × 552
	Net Weight	kg	4.8
	Shipping Weight	kg	6.9

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 3. ZTNQ24GTLA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 3. ZTNQ24GTLA0

## 3.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	1
	Airflow Direction Control (left & right)	Auto
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	O
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	X
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

### 3. ZTNQ24GTLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 3. ZTNQ24GTLA0

## 3.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	O
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

**Note**

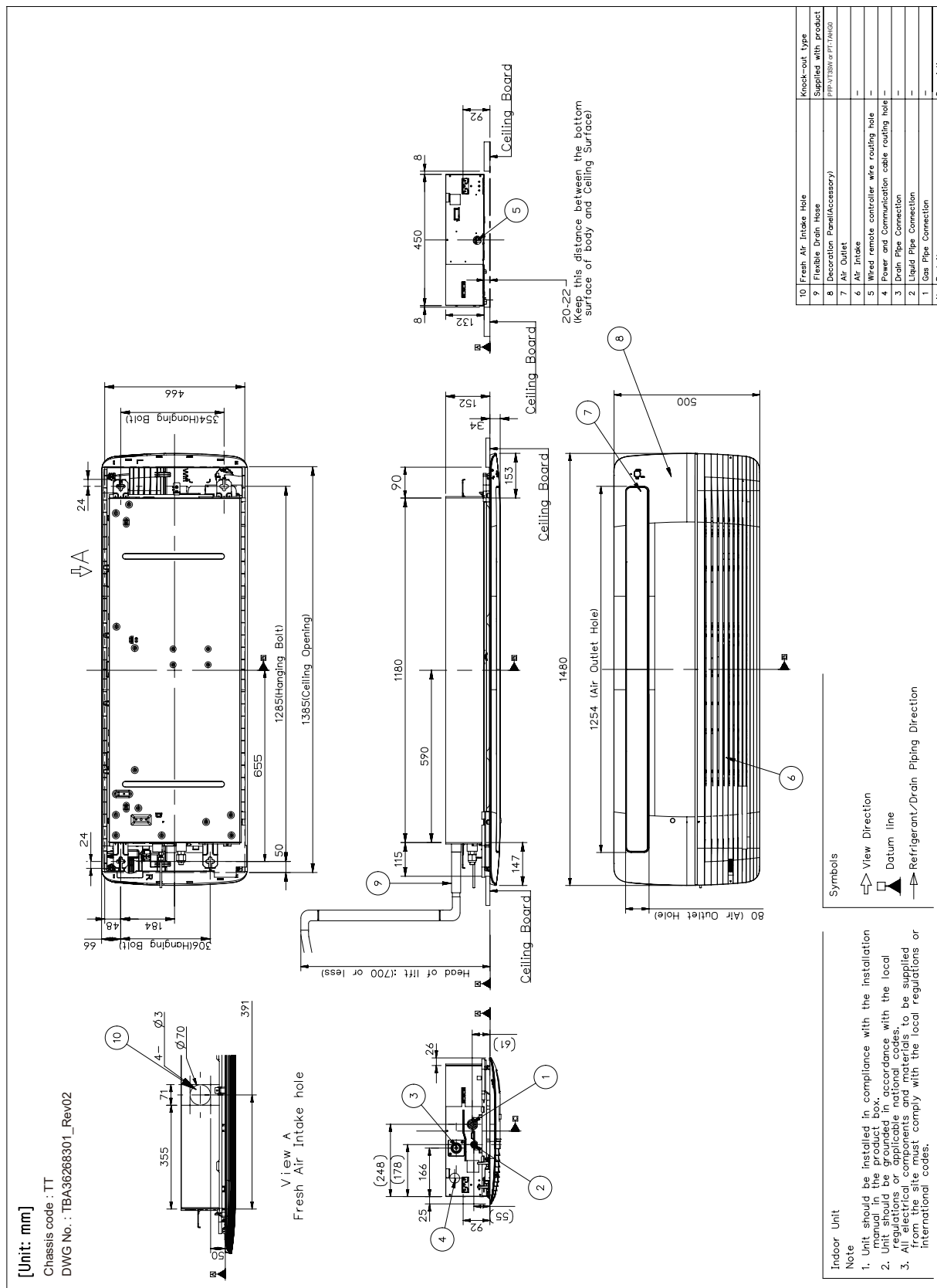
- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).



### 3. ZTNQ24GTLA0

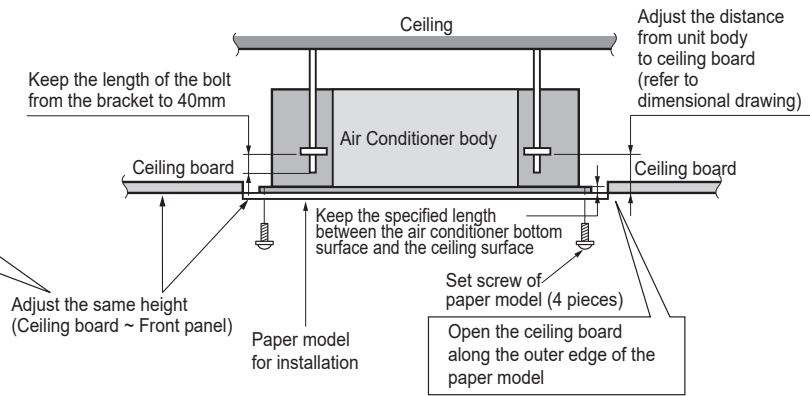
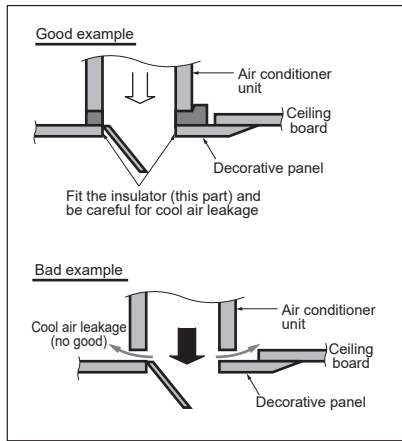
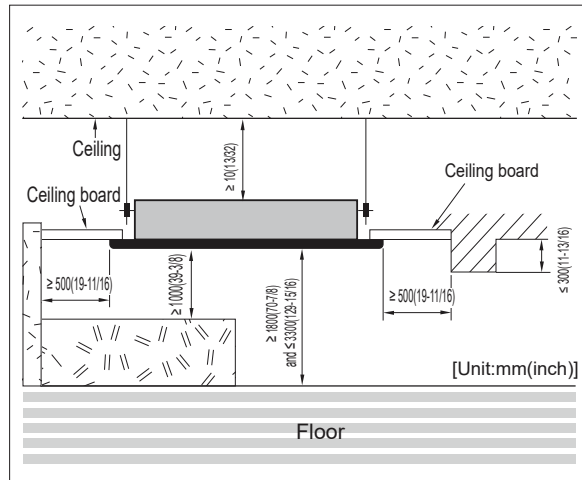
#### 3.4 Dimensions

##### 3.4.1 Product



3. ZTNQ24GTLA0

3.4.2 Intallation Space



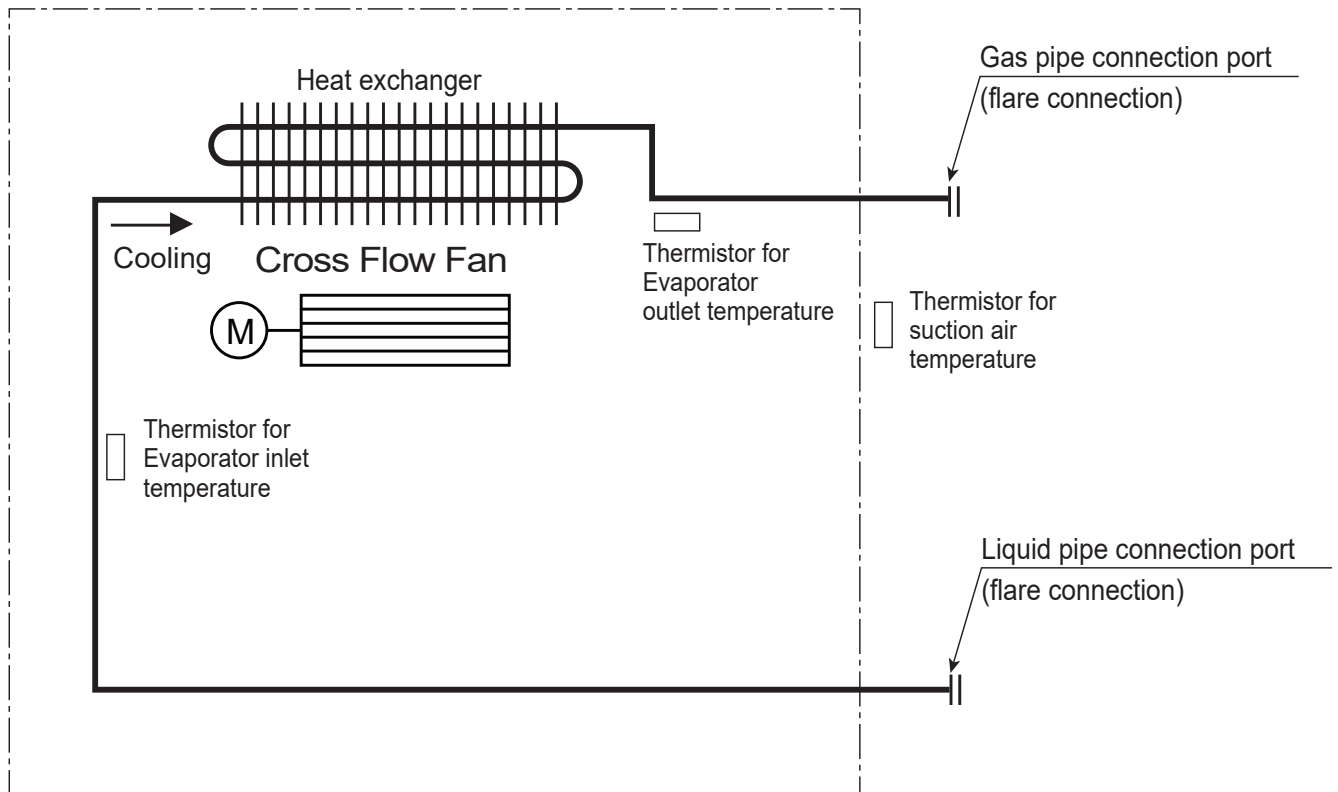
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region .etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

### 3. ZTNQ24GTLA0

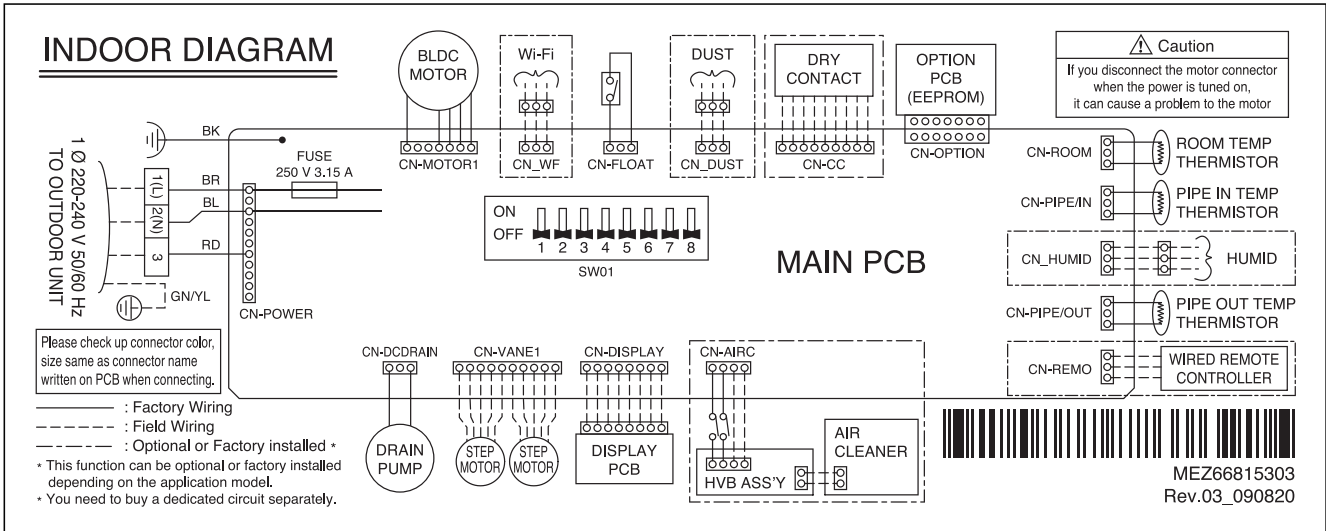
#### 3.5 Piping Diagrams

##### 3.5.1 Normal



3. ZTNQ24GTLA0

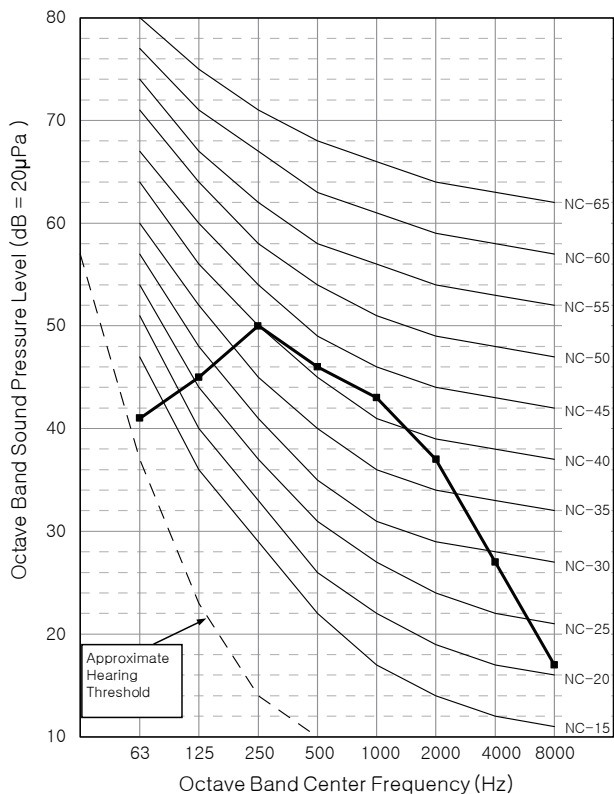
3.6 Wiring Diagrams



### 3. ZTNQ24GTLA0

#### 3.7 Sound Levels

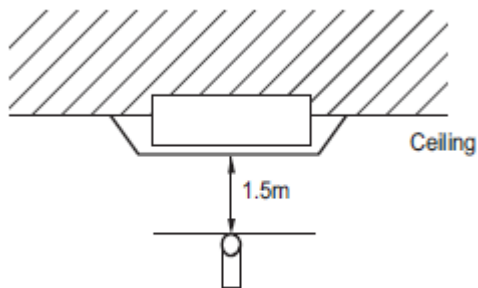
##### 3.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 46 / 43 / 39

**Note**

- Sound measured at some distance away from the center of the unit.
  - Data is valid at free field condition.
  - Reference acoustic pressure 0dB = 20µPa.
  - Data is valid at nominal operation condition.
- Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
  - Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.



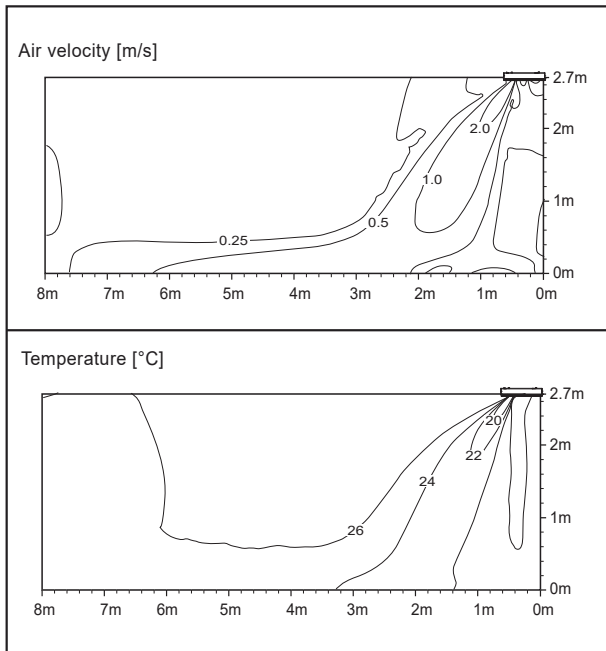
\* Measuring place : Anechoic chamber

### 3. ZTNQ24GTLA0

## 3.8 Air flow and temperature distributions

### 3.8.1 Cooling operation

Discharge angle: 50°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 1. ZTNQ18GPLA0

## 1.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TP
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	40
Running Current	Maximum	A	0.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 17.0 / 15.0 / 13.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	50.3
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 8 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.34
Dimensions	Net(W x H x D)	mm	840 x 204 x 840
	Shipping(W x H x D)	mm	922 x 276 x 917
Weight	Net	kg	19.5
	Shipping	kg	23.5
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ12.7 (1/2)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 40 / 36 / 33
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.6
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 1. ZTNQ18GPLA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.



## 1. ZTNQ18GPLA0

## 1.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 1. ZTNQ18GPLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 1. ZTNQ18GPLA0

## 1.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
		PWLSSB21H	For Heat pump	X
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

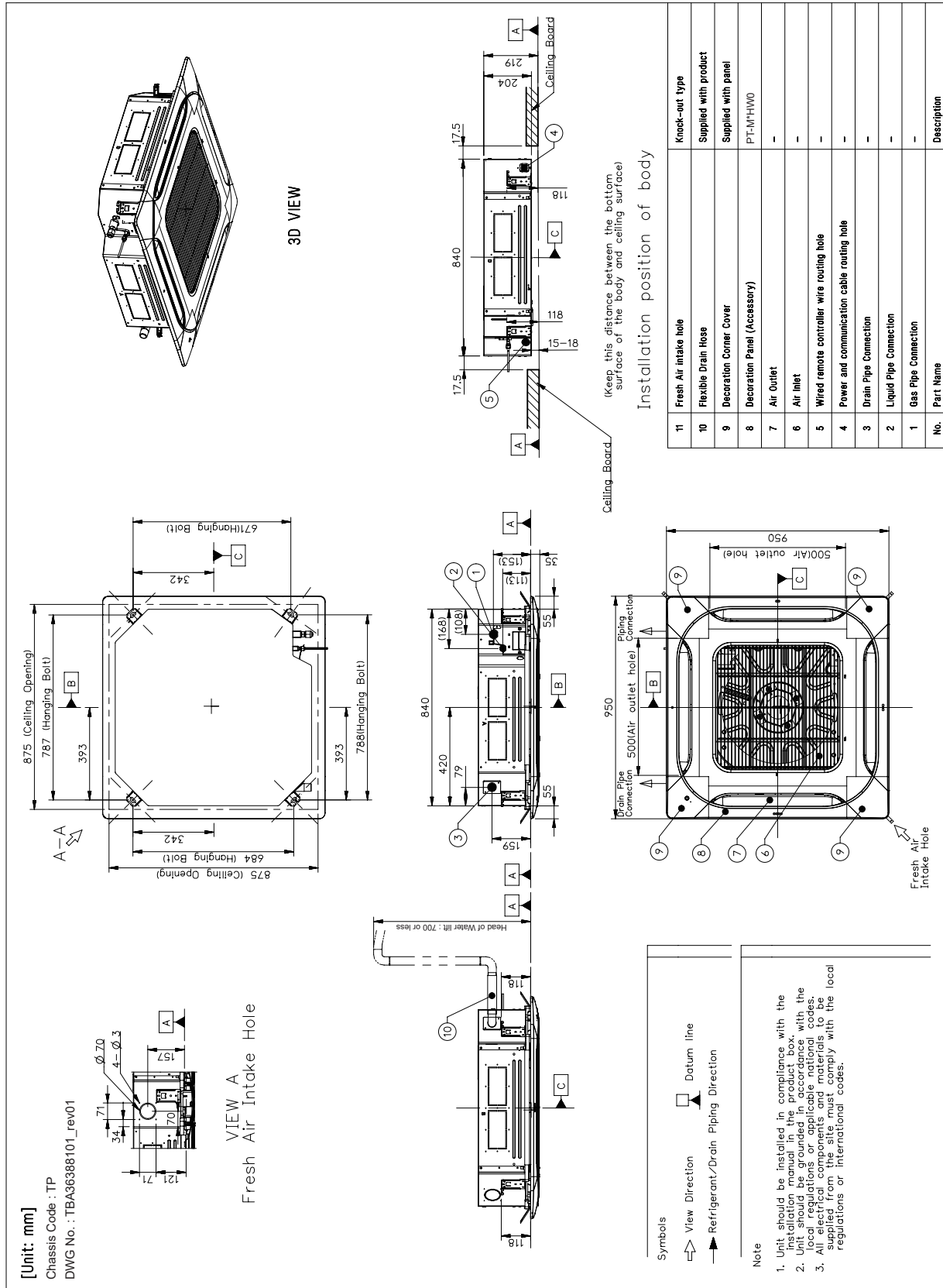
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

1. ZTNQ18GPLA0

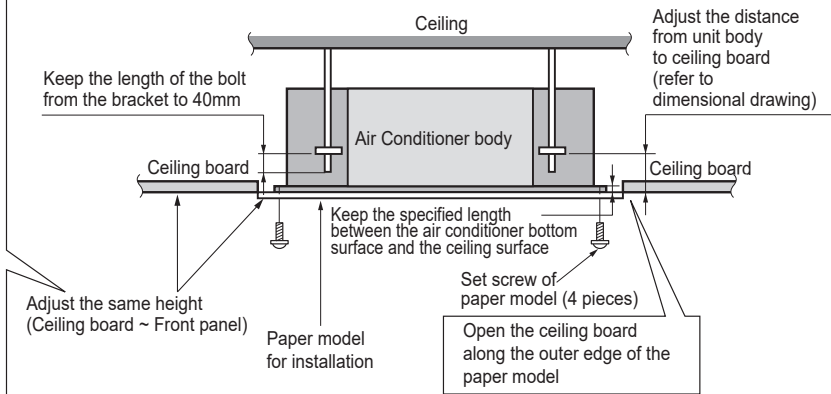
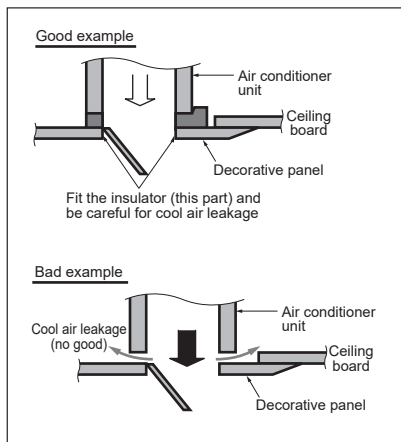
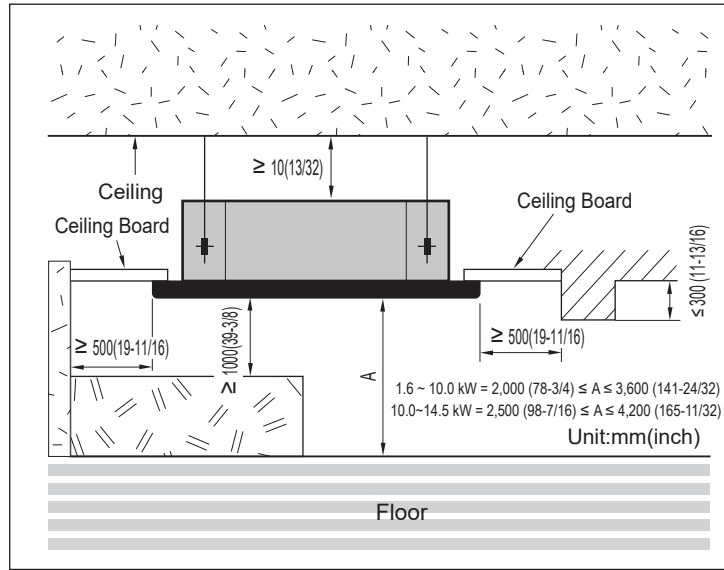
1.4 Dimensions

1.4.1 Product



1. ZTNQ18GPLA0

1.4.2 Intallation Space



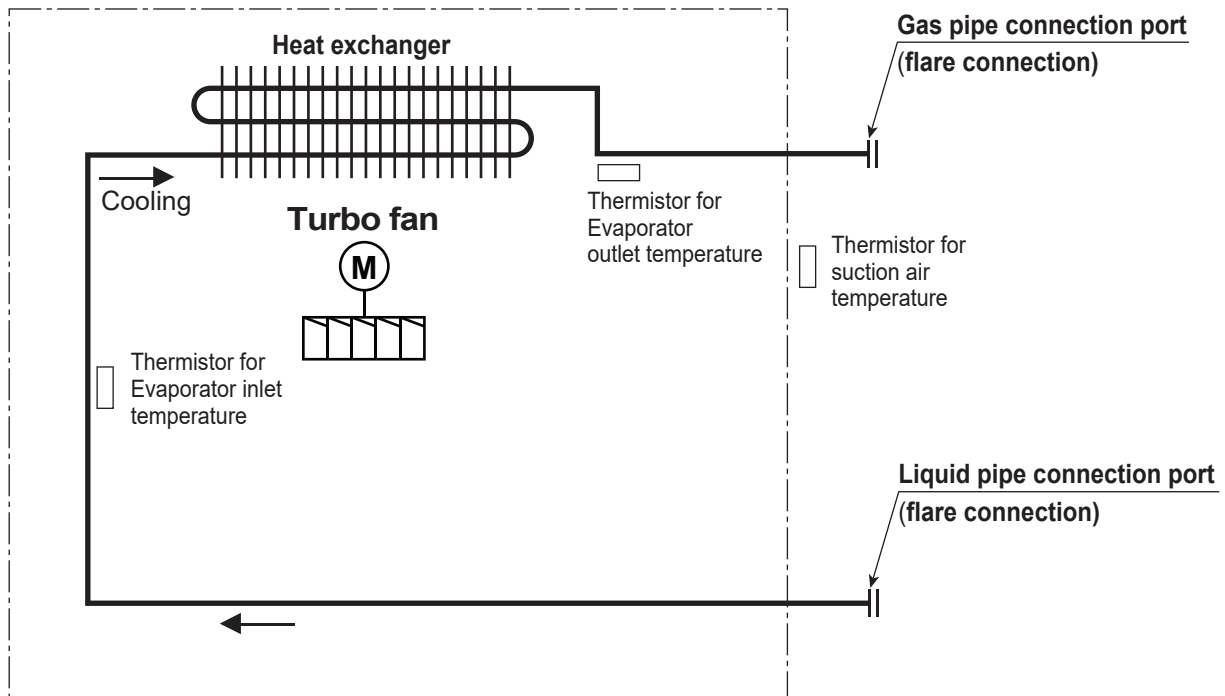
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

# 1. ZTNQ18GPLA0

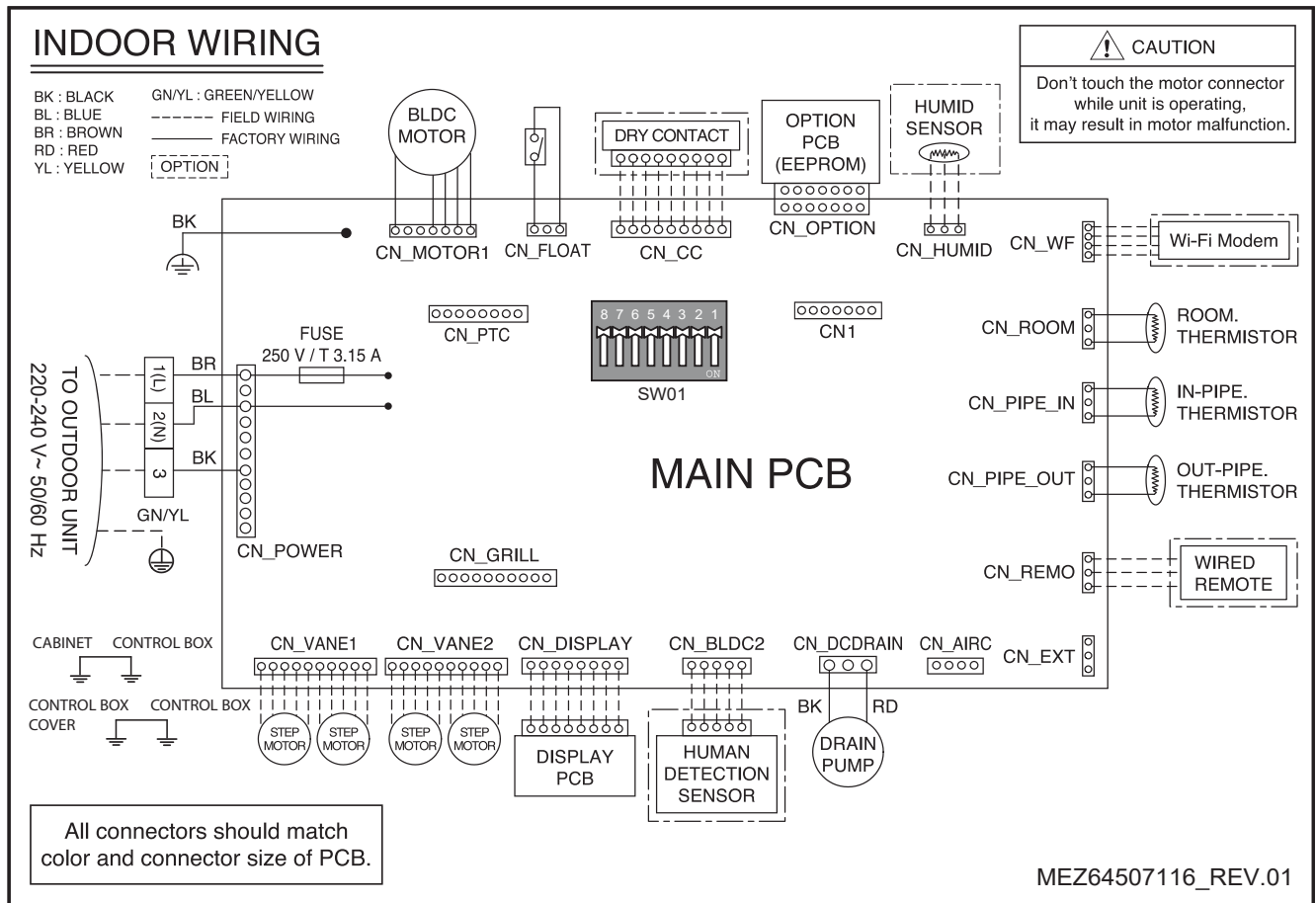
## 1.5 Piping Diagrams

### 1.5.1 Normal



1. ZTNQ18GPLA0

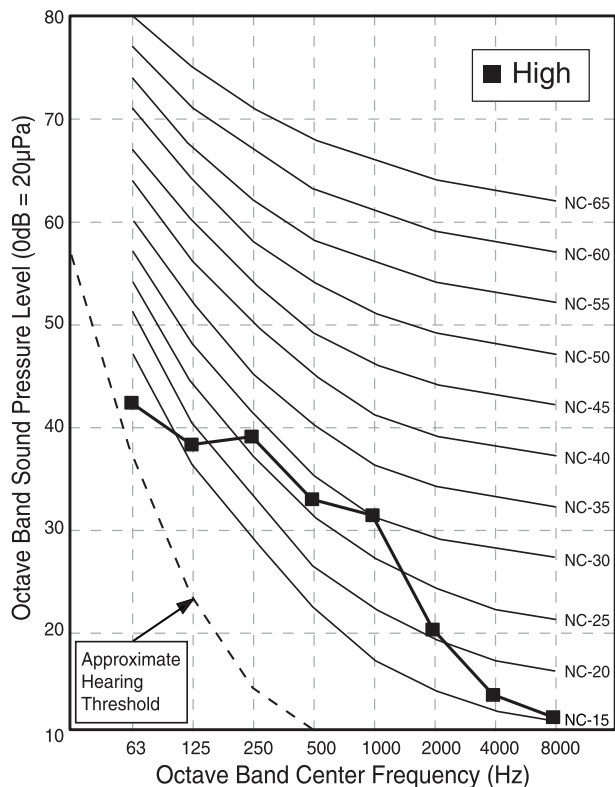
1.6 Wiring Diagrams



# 1. ZTNQ18GPLA0

## 1.7 Sound Levels

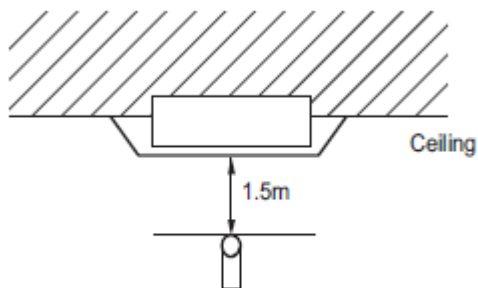
### 1.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 40 / 36 / 33

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



\* Measuring place : Anechoic chamber

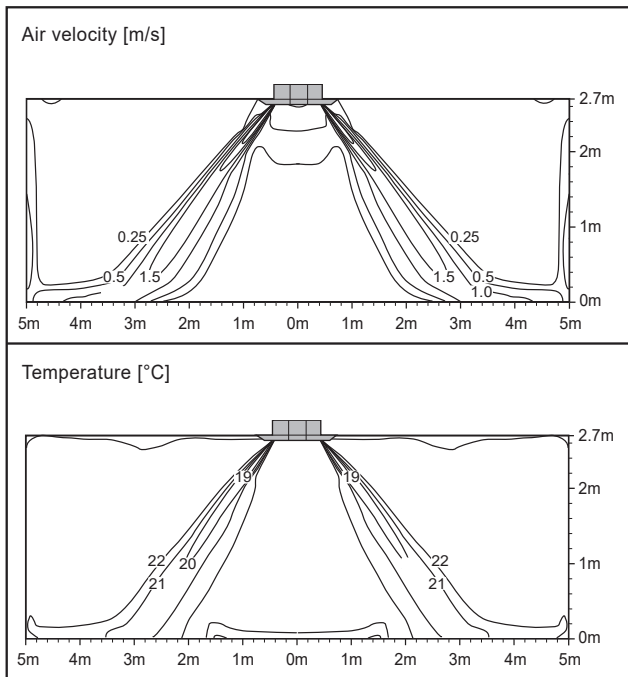


## 1. ZTNQ18GPLA0

### 1.8 Air flow and temperature distributions

#### 1.8.1 Cooling operation

Discharge angle: 40°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 2. ZTNQ18GPLE0

## 2.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TP
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	40
Running Current	Maximum	A	0.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 17.0 / 15.0 / 13.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	50.3
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 8 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.34
Dimensions	Net(W x H x D)	mm	840 x 204 x 840
	Shipping(W x H x D)	mm	922 x 276 x 917
Weight	Net	kg	19.5
	Shipping	kg	23.5
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ12.7 (1/2)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 40 / 36 / 33
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.6
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 2. ZTNQ18GPLE0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.

Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 2. ZTNQ18GPLE0

## 2.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 2. ZTNQ18GPLE0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 2. ZTNQ18GPLE0

## 2.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

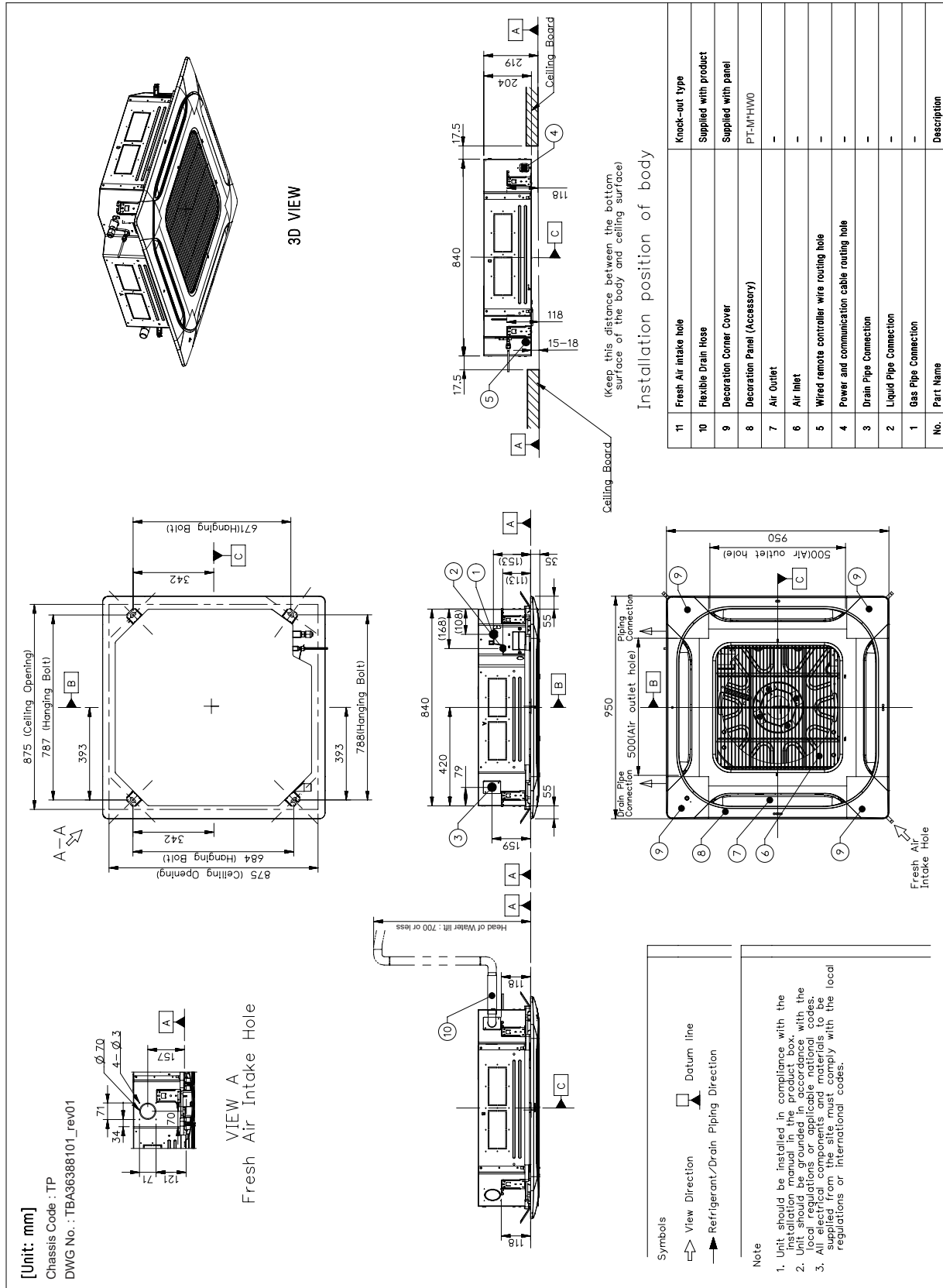
**Note**

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- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

2. ZTNQ18GPLE0

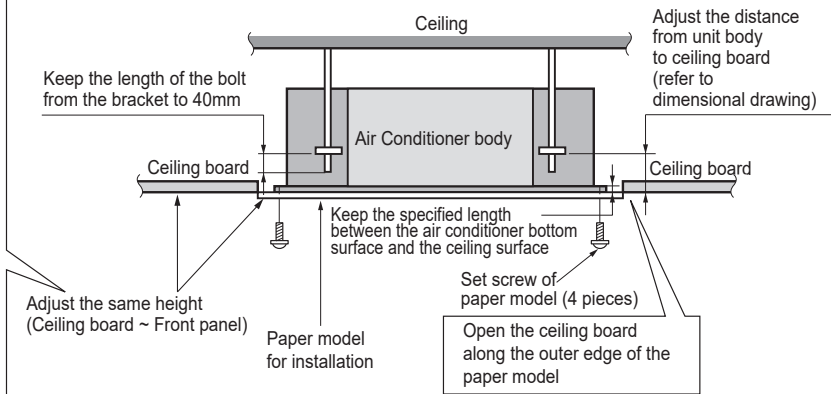
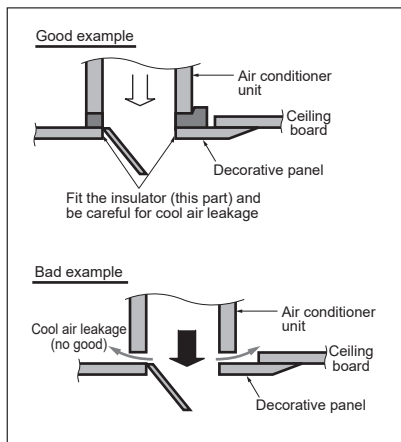
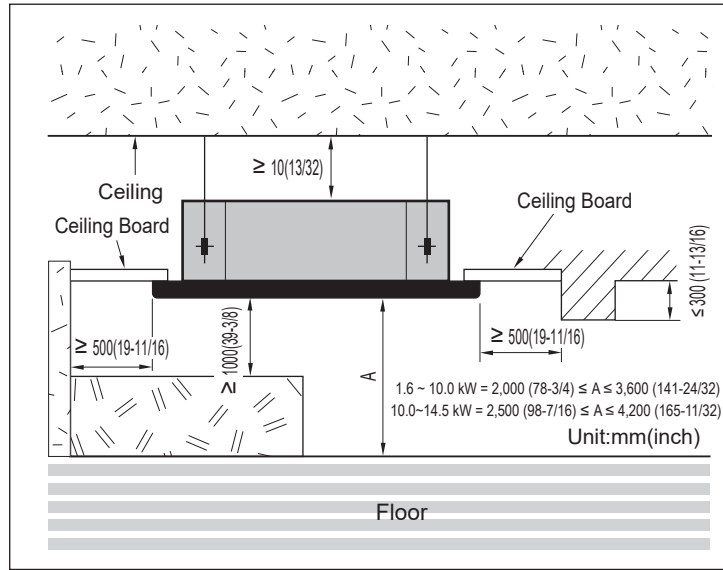
2.4 Dimensions

2.4.1 Product



2. ZTNQ18GPLE0

2.4.2 Intallation Space



Note

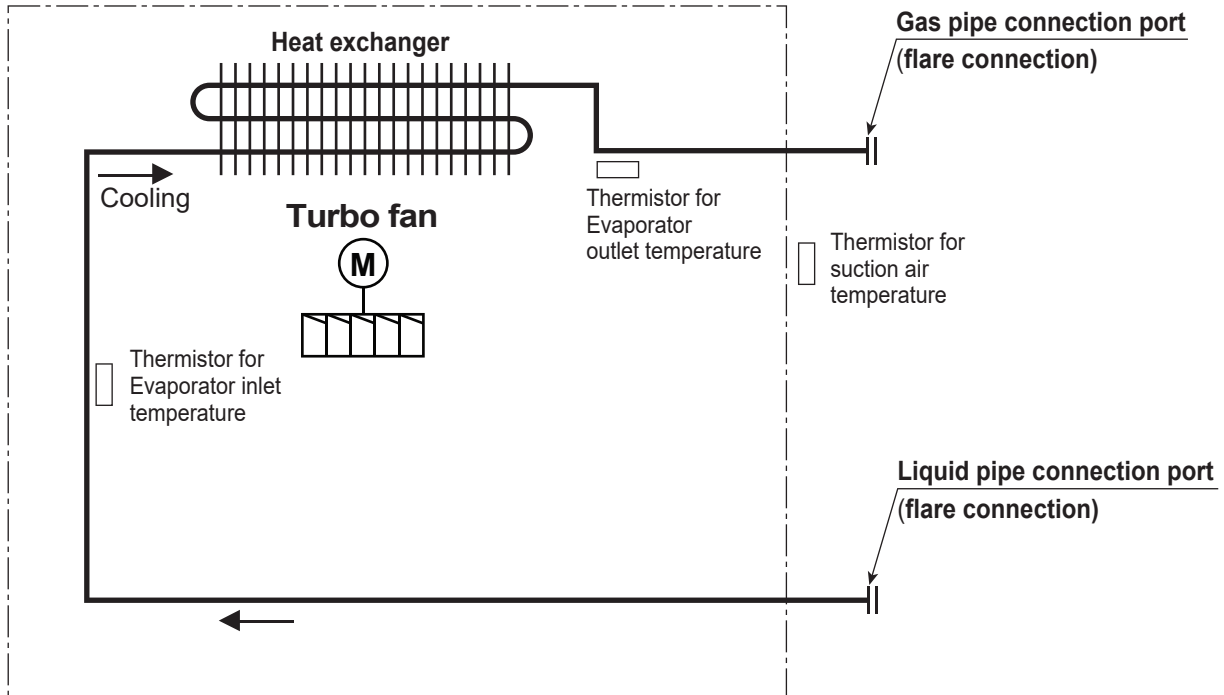
- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.



## 2. ZTNQ18GPLE0

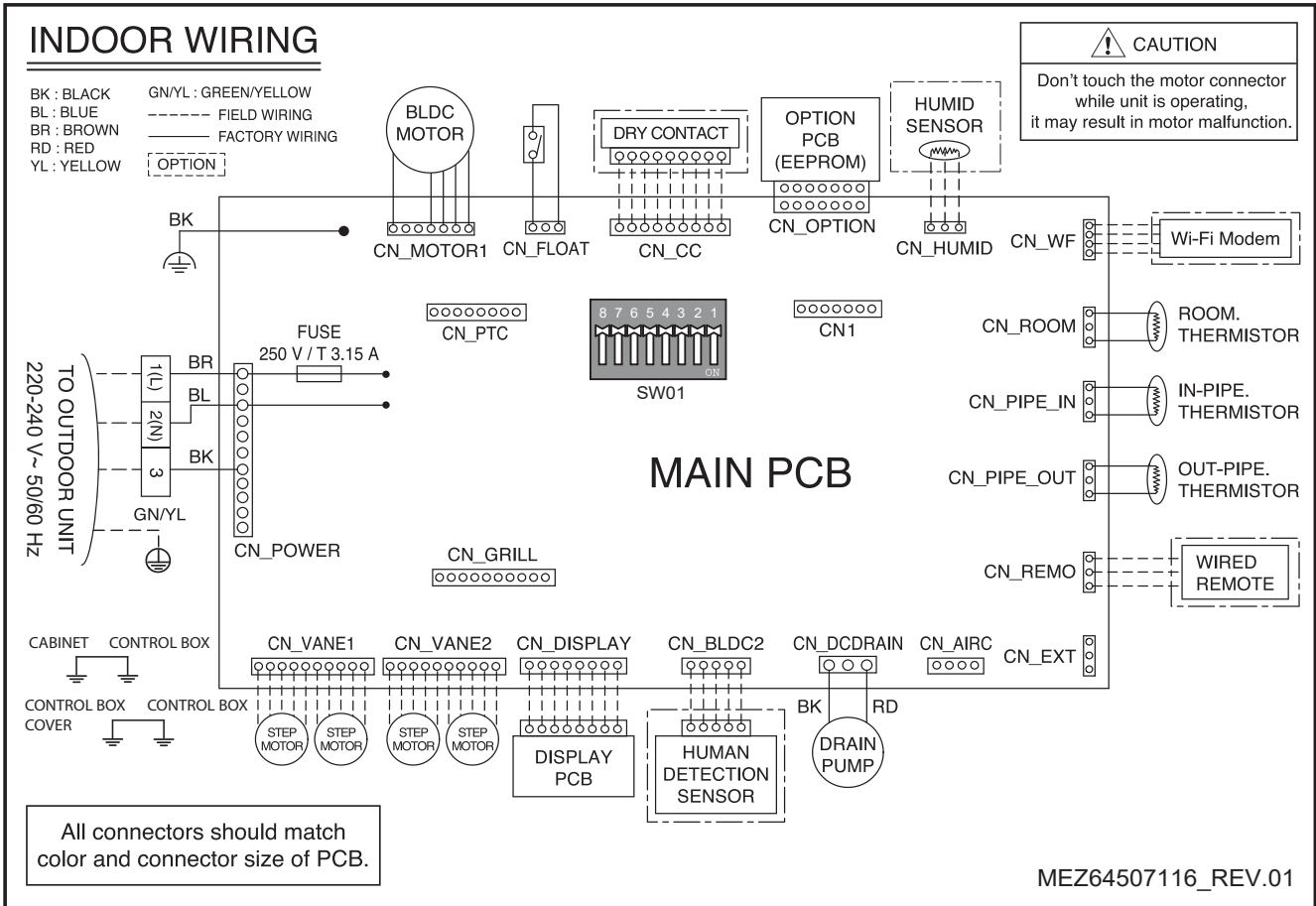
### 2.5 Piping Diagrams

#### 2.5.1 Normal



2. ZTNQ18GPLE0

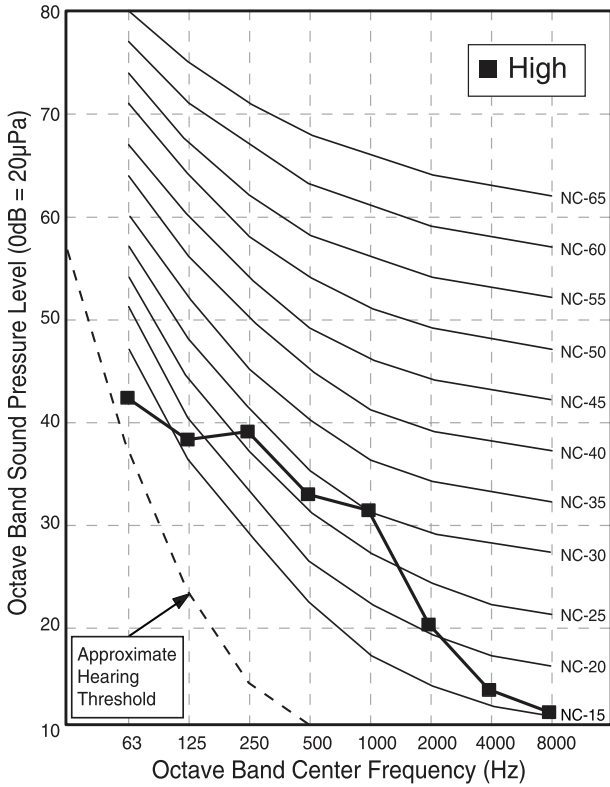
2.6 Wiring Diagrams



2. ZTNQ18GPLE0

2.7 Sound Levels

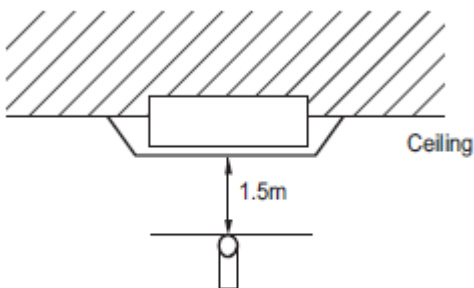
2.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 40 / 36 / 33

Note

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



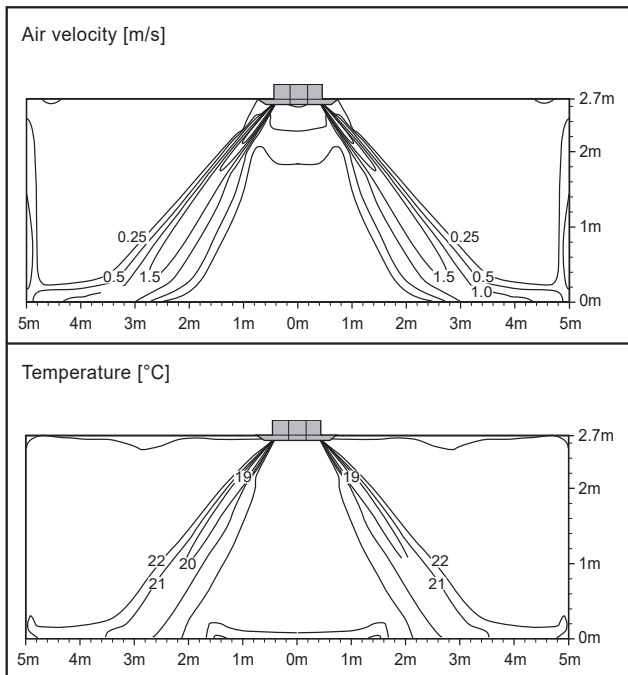
\* Measuring place : Anechoic chamber

## 2. ZTNQ18GPLE0

### 2.8 Air flow and temperature distributions

#### 2.8.1 Cooling operation

Discharge angle: 40°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 3. ZTNQ24GPLA0

## 3.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TP
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	40
Running Current	Maximum	A	0.6
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 17.0 / 15.0 / 13.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	50.3
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 8 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.34
Dimensions	Net(W x H x D)	mm	840 x 204 x 840
	Shipping(W x H x D)	mm	922 x 276 x 917
Weight	Net	kg	19.5
	Shipping	kg	23.5
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 40 / 36 / 33
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.6
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 3. ZTNQ24GPLA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 3. ZTNQ24GPLA0

## 3.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

### 3. ZTNQ24GPLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.



## 3. ZTNQ24GPLA0

## 3.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

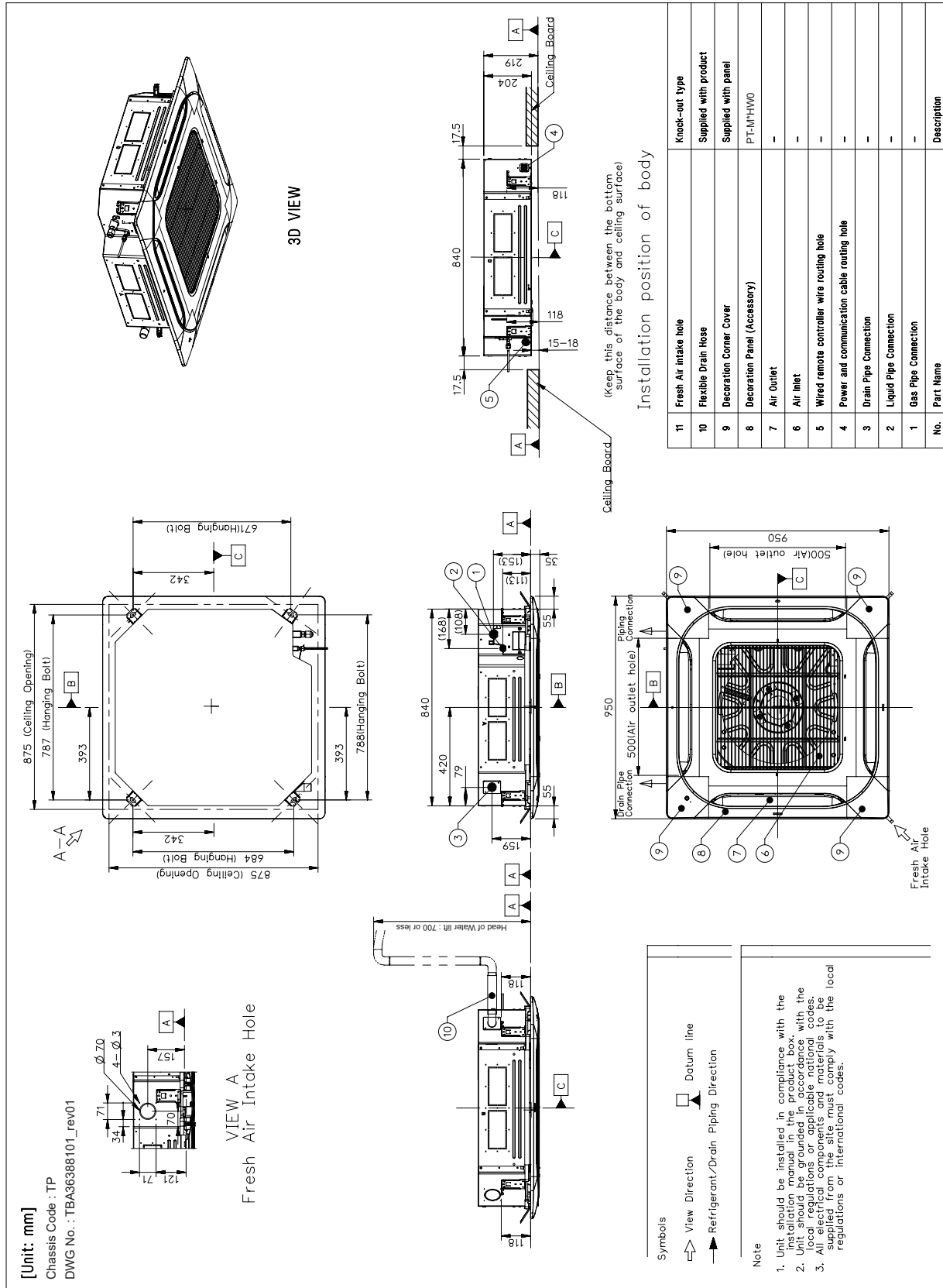
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

### 3. ZTNQ24GPLA0

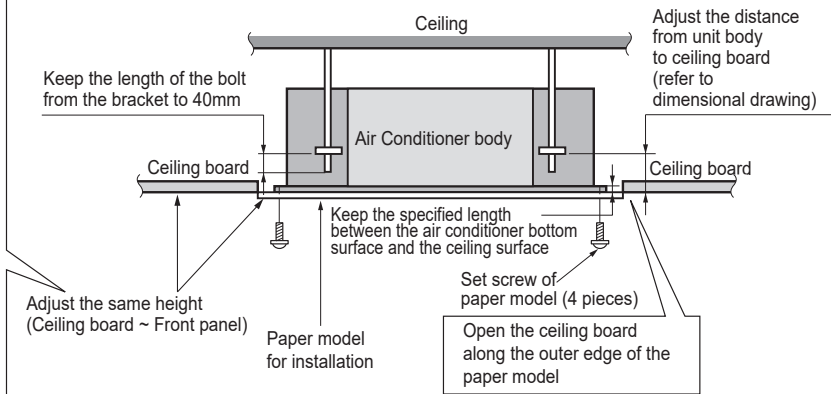
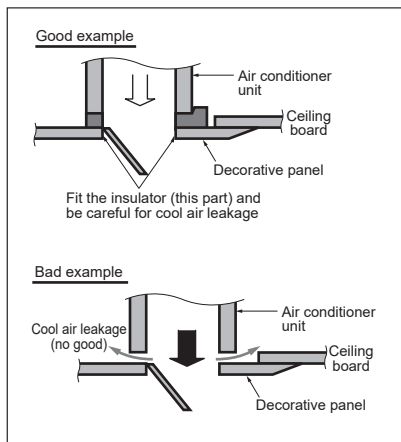
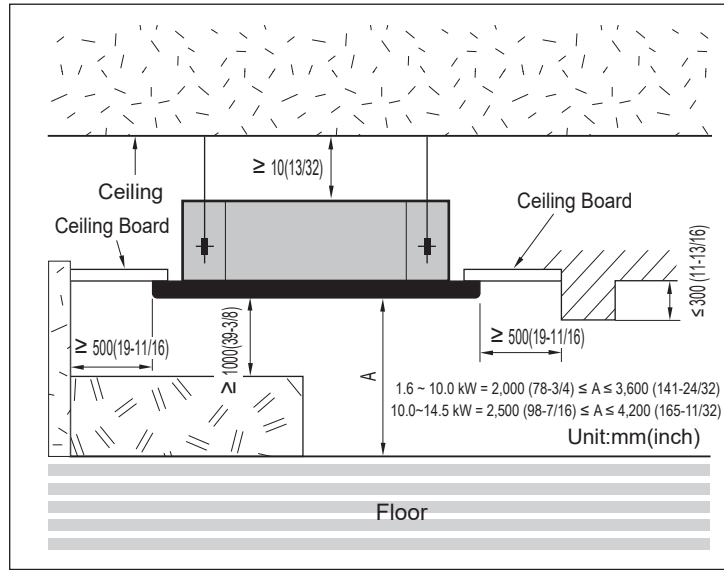
#### 3.4 Dimensions

##### 3.4.1 Product



3. ZTNQ24GPLA0

3.4.2 Intallation Space



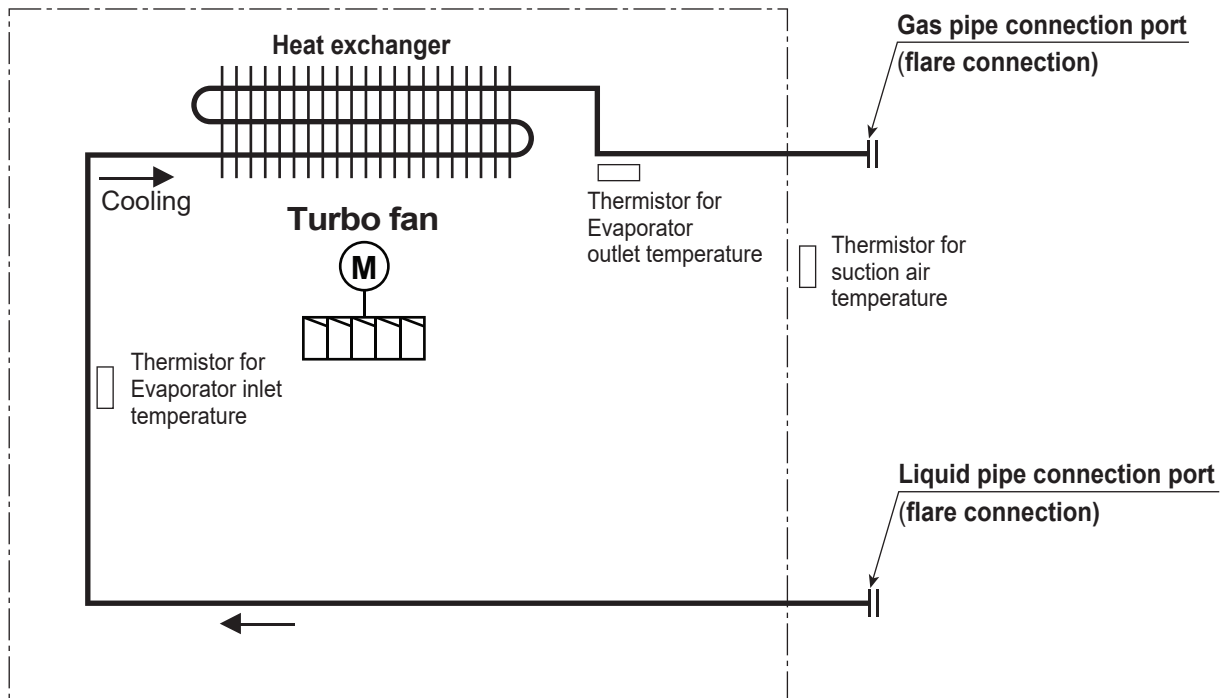
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

### 3. ZTNQ24GPLA0

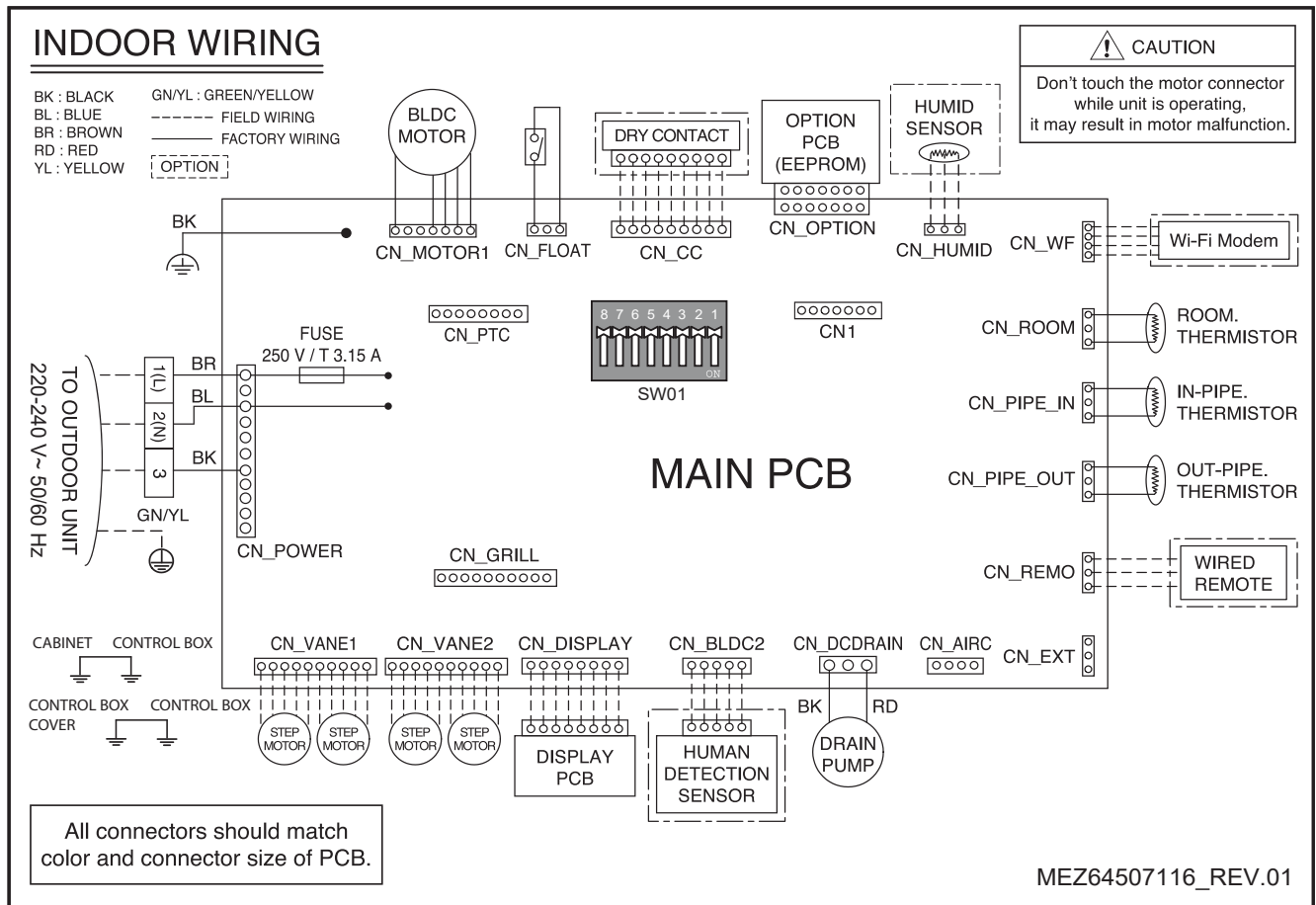
#### 3.5 Piping Diagrams

##### 3.5.1 Normal



3. ZTNQ24GPLA0

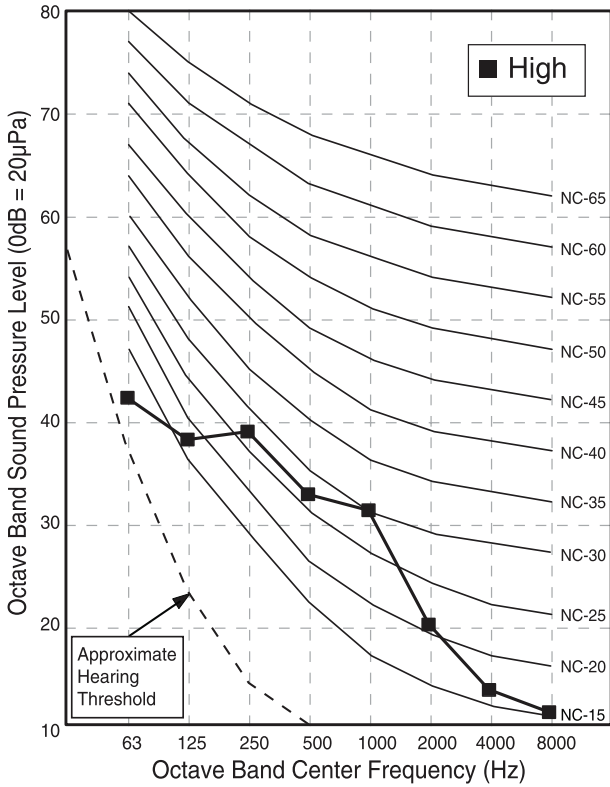
3.6 Wiring Diagrams



### 3. ZTNQ24GPLA0

#### 3.7 Sound Levels

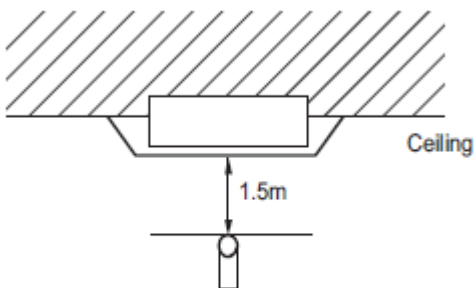
##### 3.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 40 / 36 / 33

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



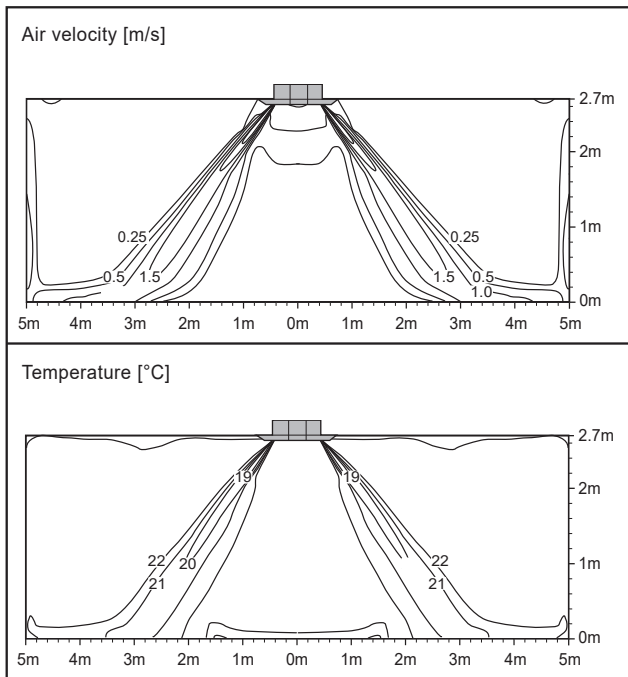
\* Measuring place : Anechoic chamber

### 3. ZTNQ24GPLA0

#### 3.8 Air flow and temperature distributions

##### 3.8.1 Cooling operation

Discharge angle: 40°



##### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 4. ZTNQ24GNLE0

## 4.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TN
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	90
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 21.0 / 18.5 / 15.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	124
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 10 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.43
Dimensions	Net(W x H x D)	mm	840 x 246 x 840
	Shipping(W x H x D)	mm	922 x 318 x 917
Weight	Net	kg	25.0
	Shipping	kg	27.2
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Ø 9.52 (3/8)
	Gas	mm(inch)	Ø 15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 40 / 35 / 29
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.



### 4. ZTNQ24GNLE0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 4. ZTNQ24GNLE0

## 4.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 4. ZTNQ24GNLE0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 4. ZTNQ24GNLE0

## 4.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

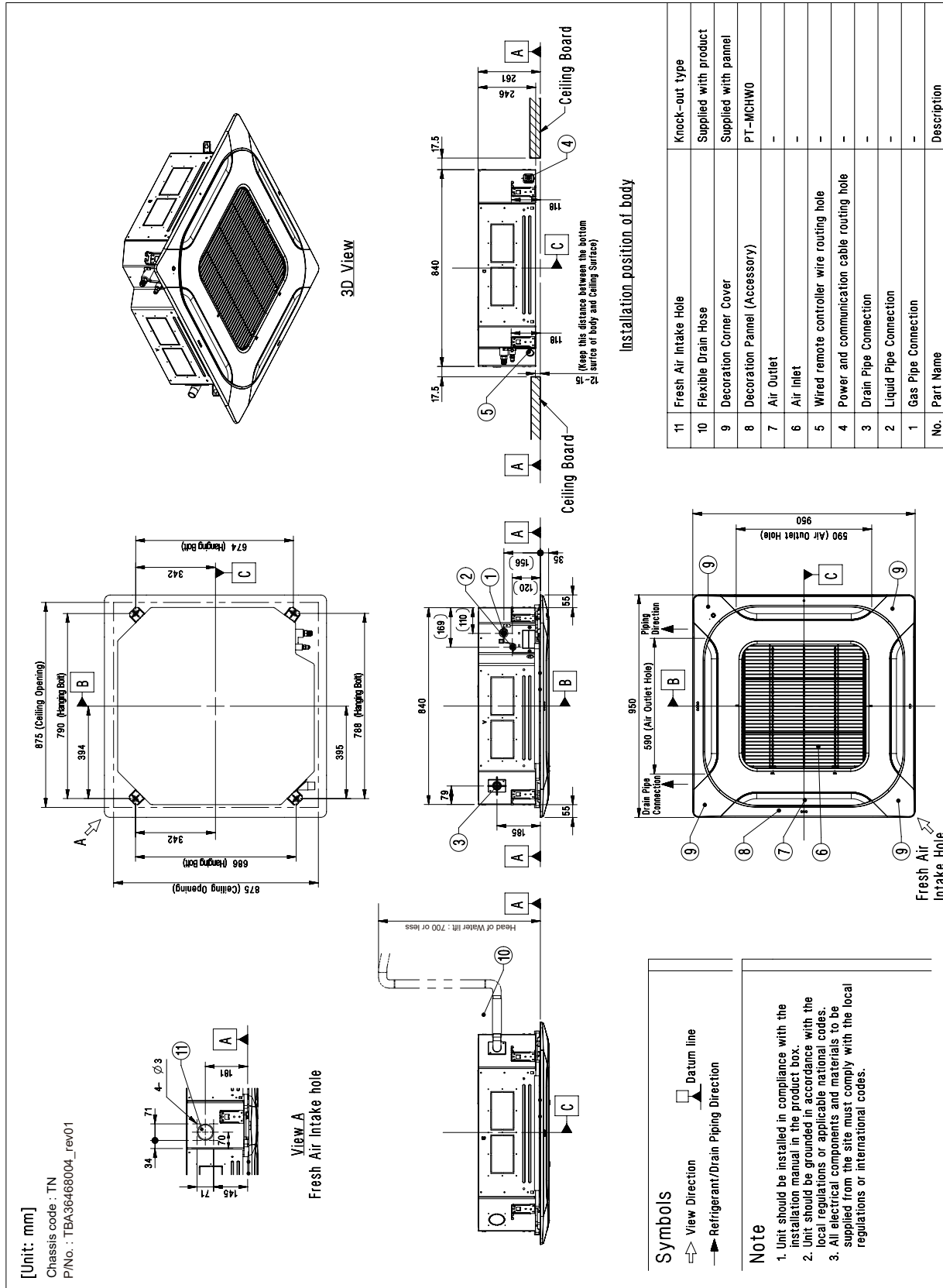
**Note**

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- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

4. ZTNQ24GNLE0

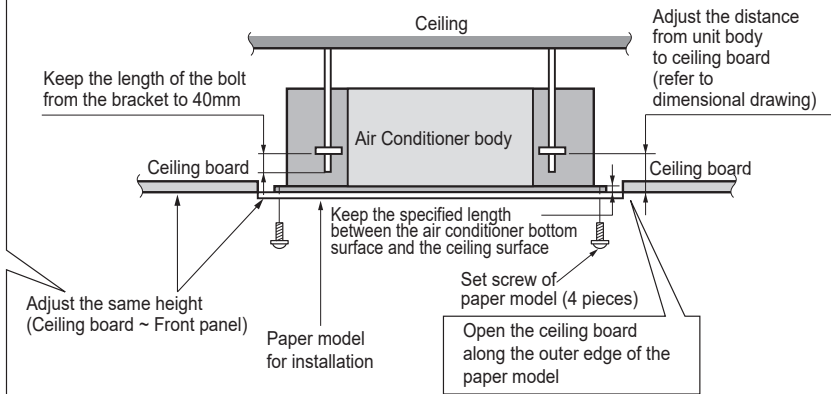
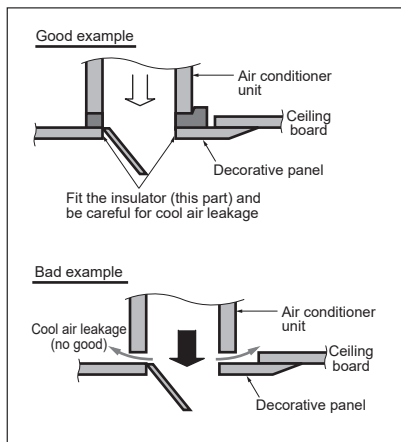
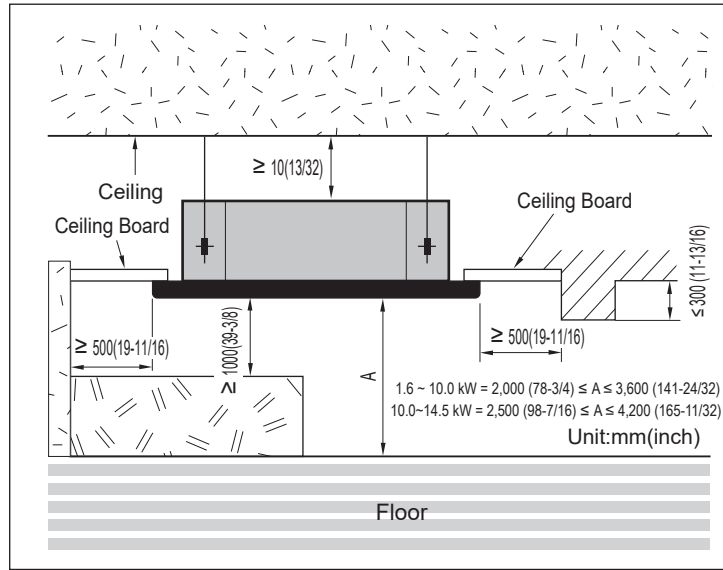
4.4 Dimensions

4.4.1 Product



4. ZTNQ24GNLE0

4.4.2 Intallation Space



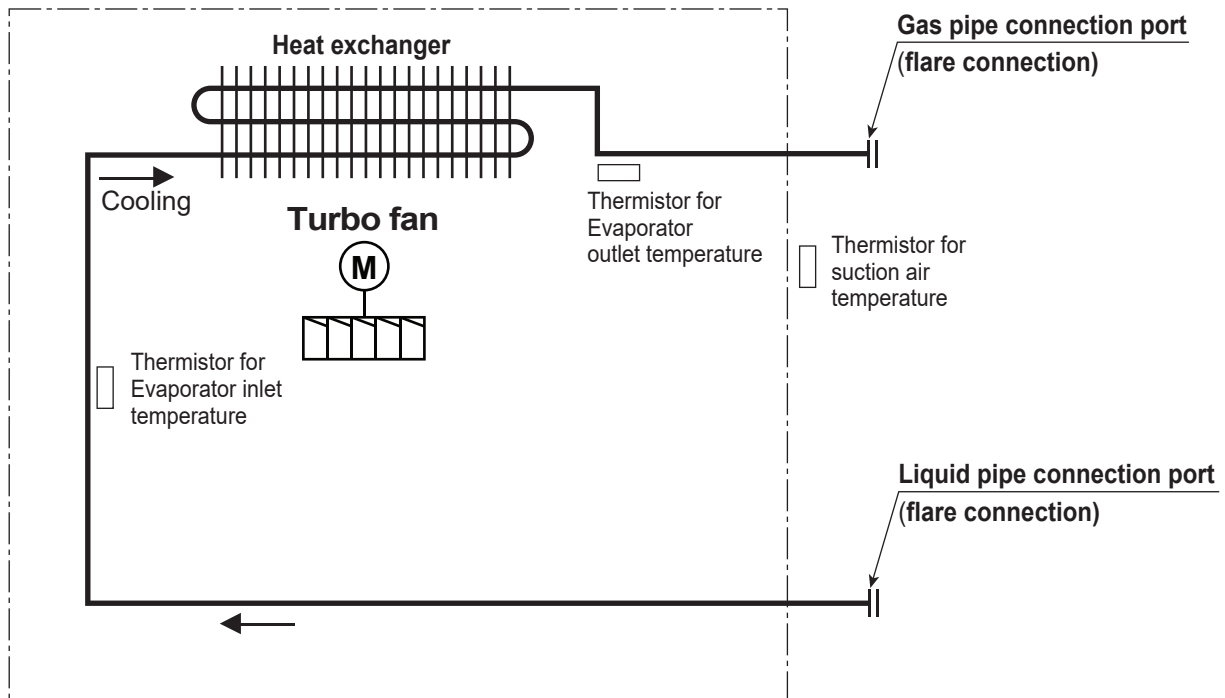
**Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

## 4. ZTNQ24GNLE0

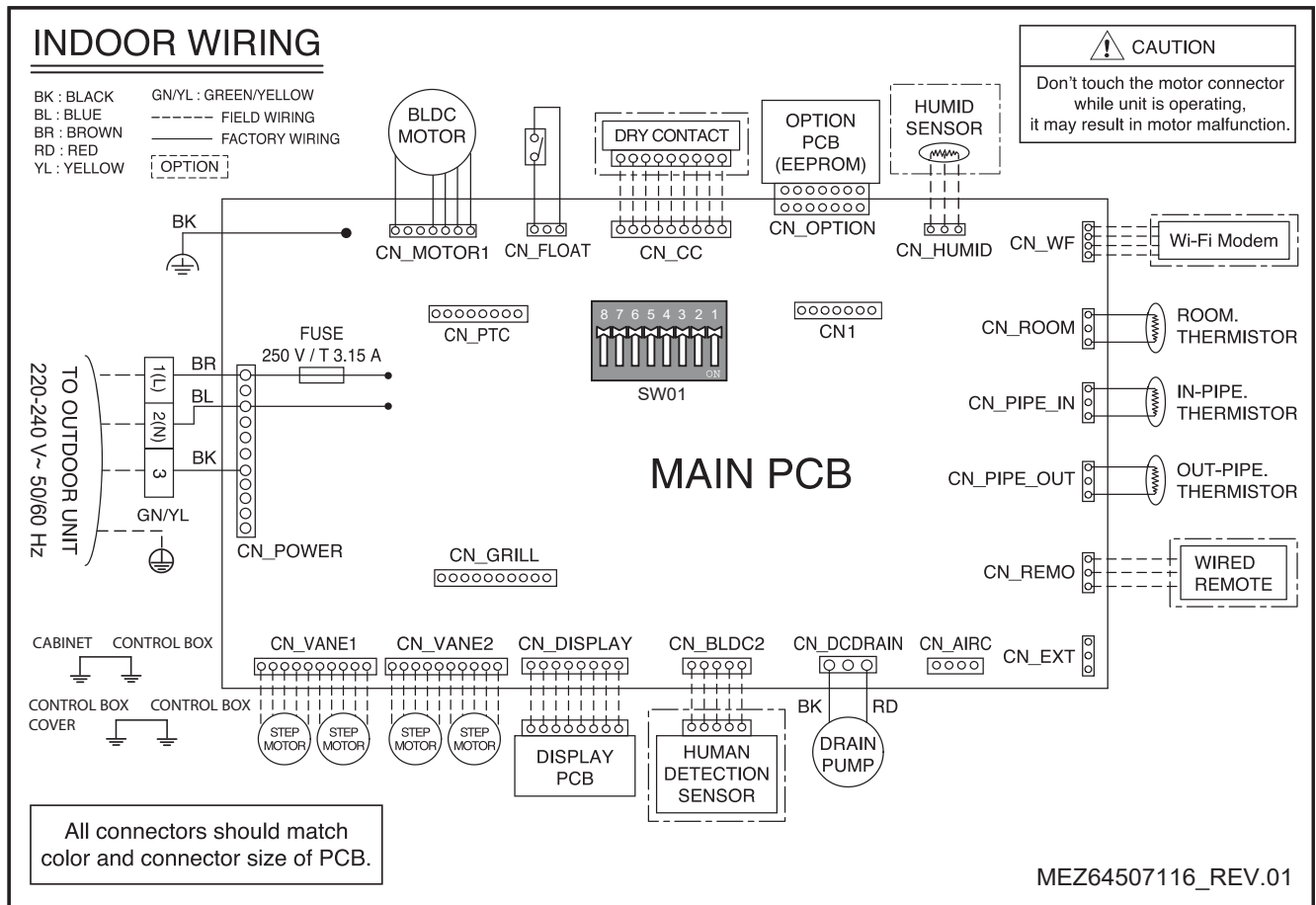
### 4.5 Piping Diagrams

#### 4.5.1 Normal



4. ZTNQ24GNLE0

4.6 Wiring Diagrams

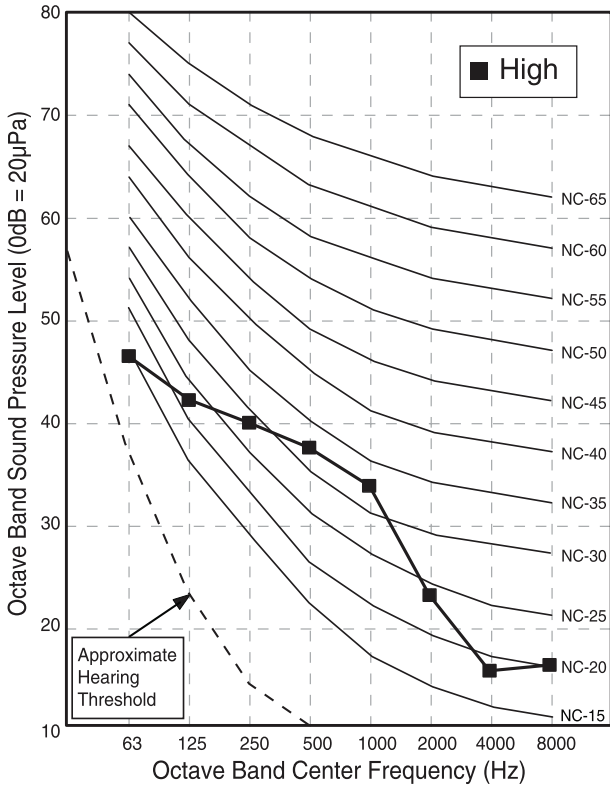




## 4. ZTNQ24GNLE0

### 4.7 Sound Levels

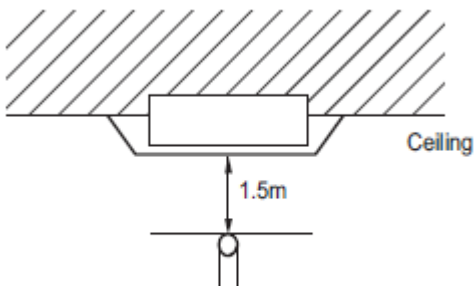
#### 4.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 40 / 35 / 29

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference accoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



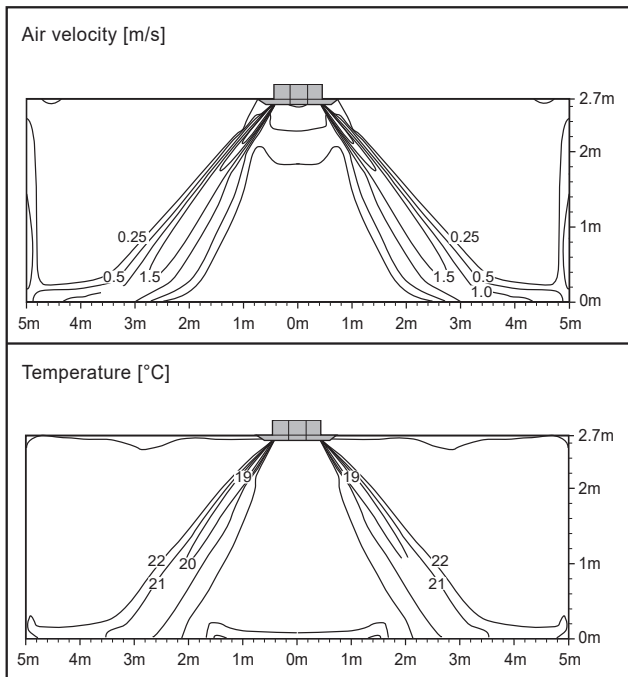
\* Measuring place : Anechoic chamber

## 4. ZTNQ24GNLE0

### 4.8 Air flow and temperature distributions

#### 4.8.1 Cooling operation

Discharge angle: 40°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 5. ZTNQ30GNLE0

## 5.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TN
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	90
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 25.0 / 22.0 / 19.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	124
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 10 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.43
Dimensions	Net(W x H x D)	mm	840 x 246 x 840
	Shipping(W x H x D)	mm	922 x 318 x 917
Weight	Net	kg	25.0
	Shipping	kg	27.2
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 45 / 41 / 37
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 5. ZTNQ30GNLE0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 5. ZTNQ30GNLE0

## 5.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 5. ZTNQ30GNLE0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 5. ZTNQ30GNLE0

## 5.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

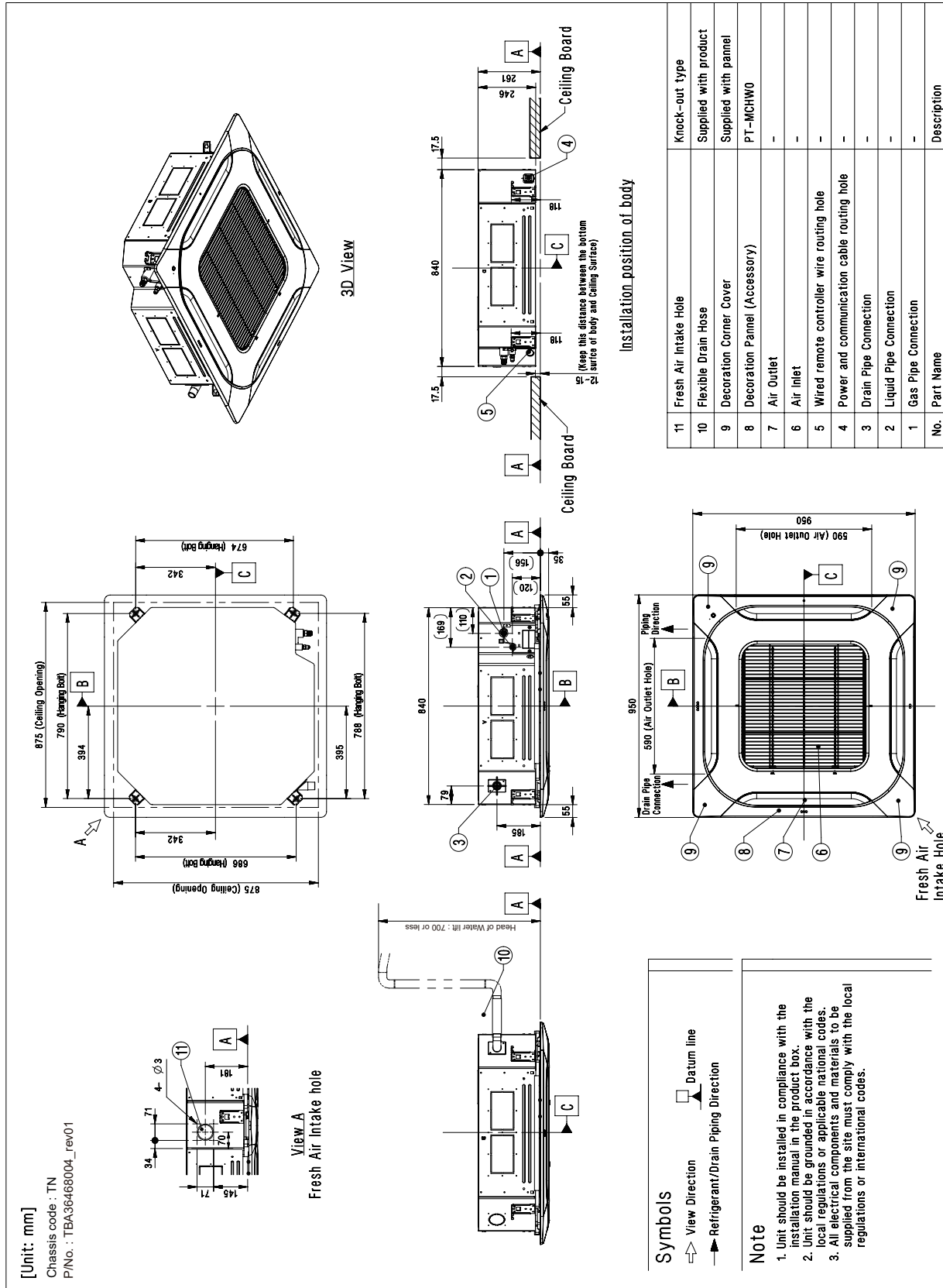
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

5. ZTNQ30GNLE0

5.4 Dimensions

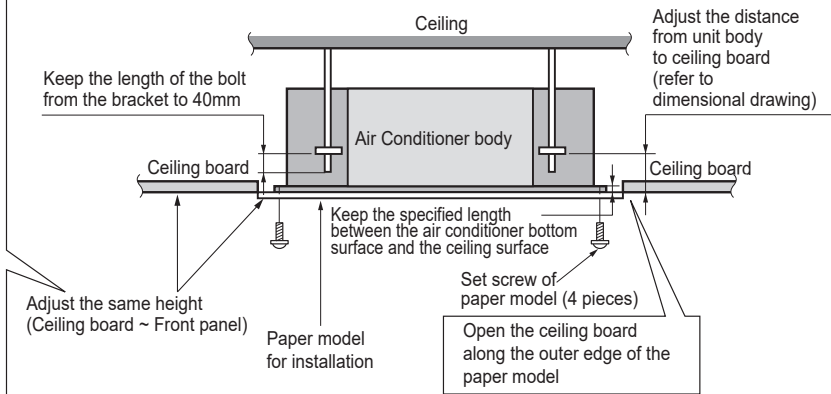
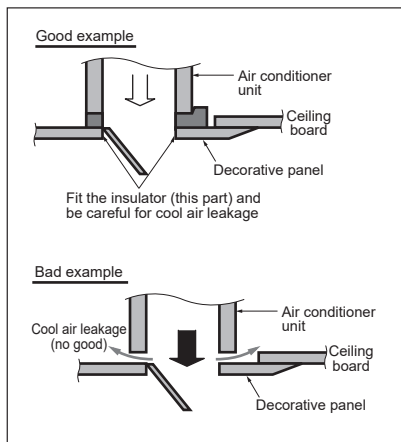
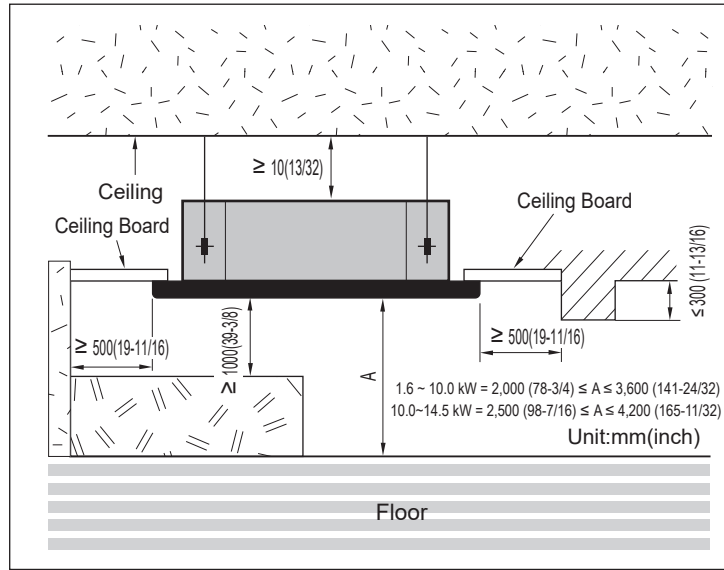
5.4.1 Product





5. ZTNQ30GNLE0

5.4.2 Intallation Space



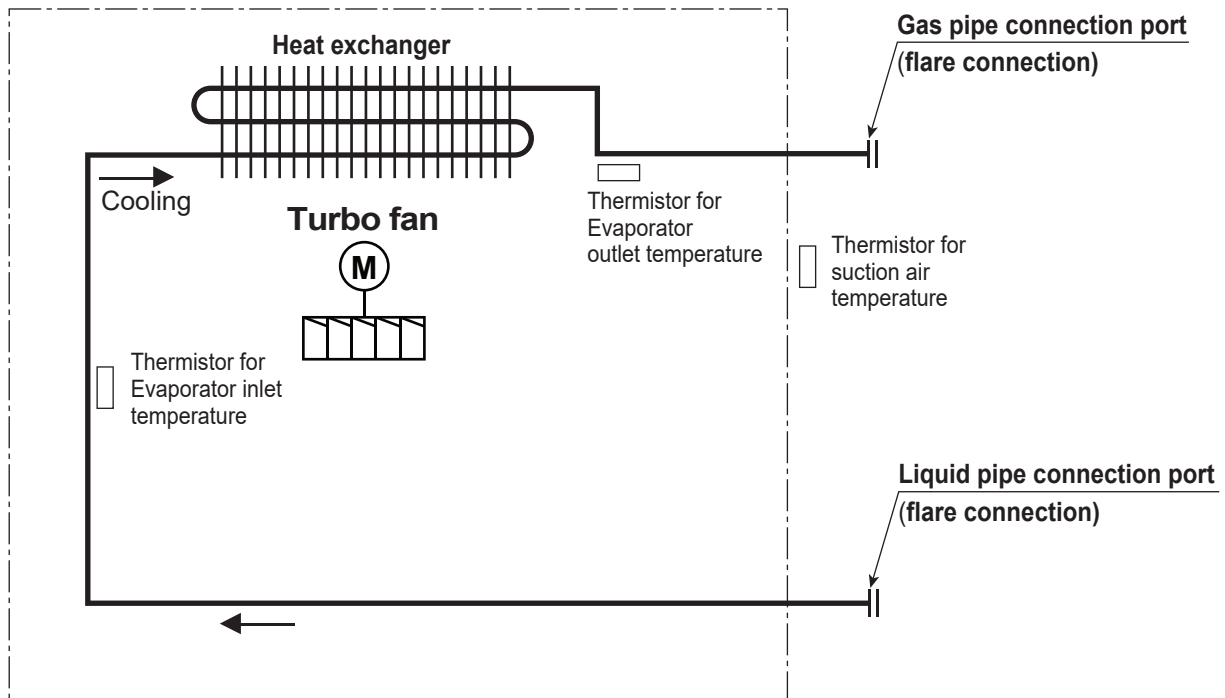
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

5. ZTNQ30GNLE0

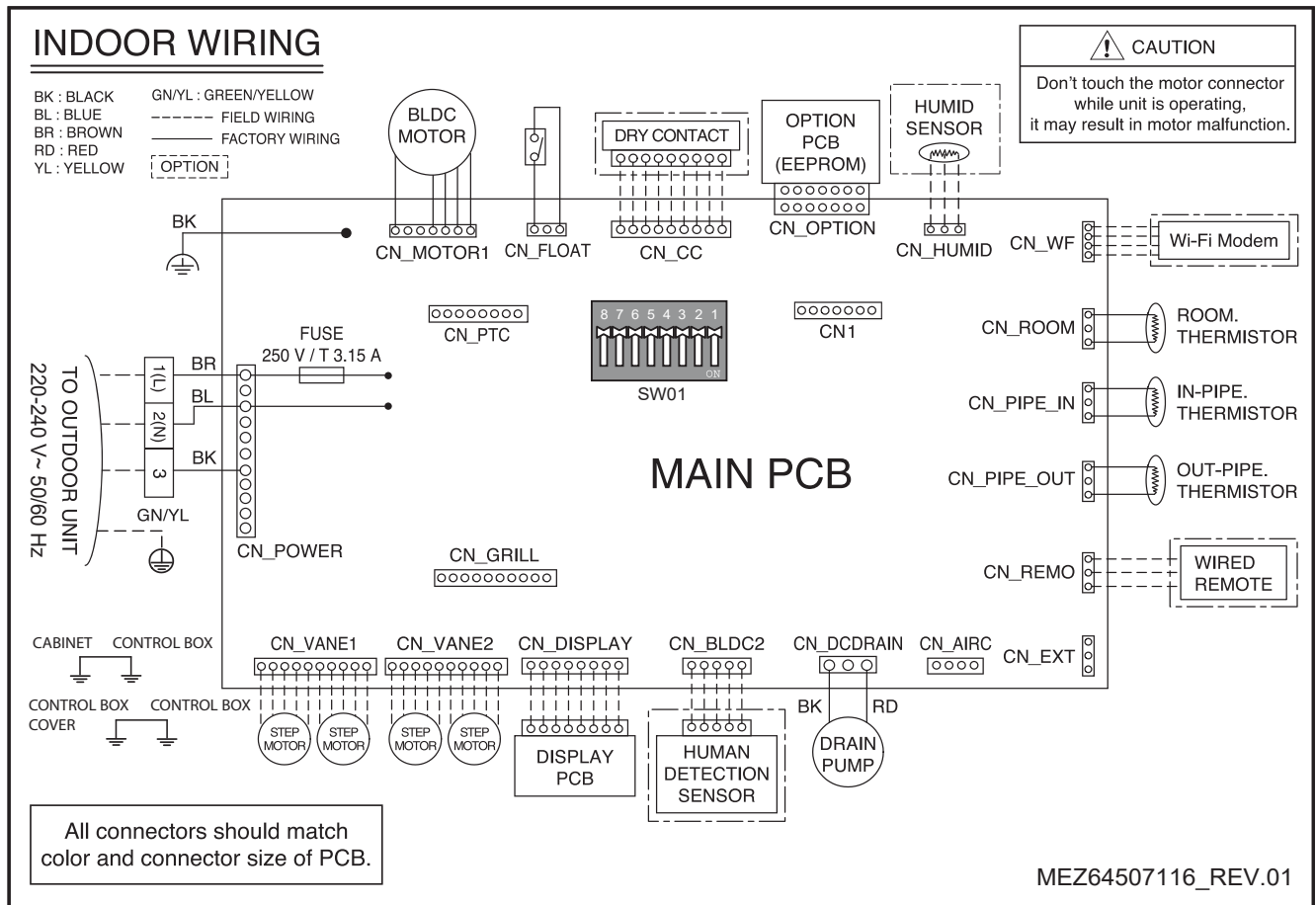
5.5 Piping Diagrams

5.5.1 Normal



5. ZTNQ30GNLE0

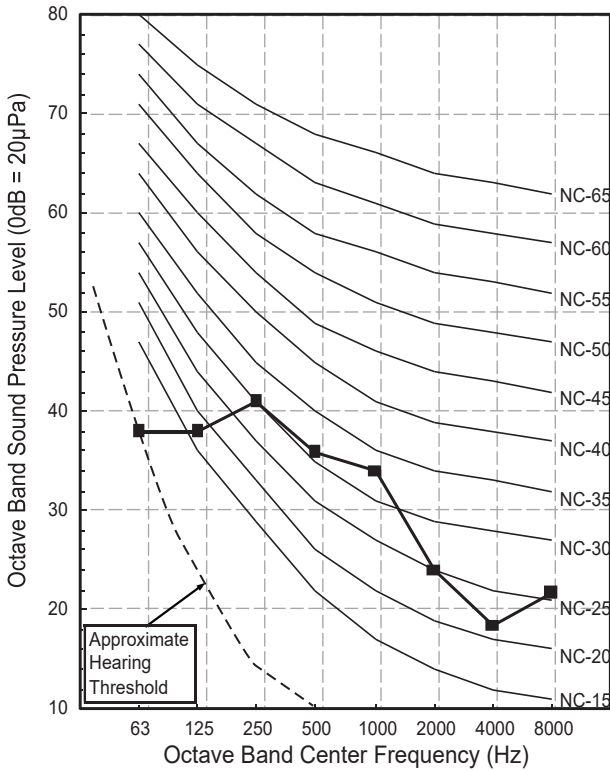
5.6 Wiring Diagrams



## 5. ZTNQ30GNLE0

### 5.7 Sound Levels

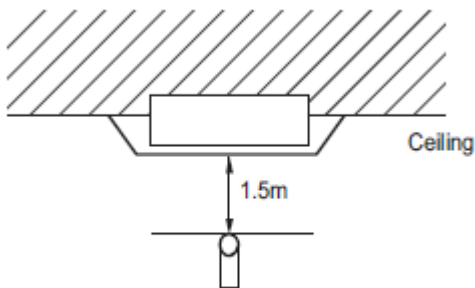
#### 5.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 45 / 41 / 37

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



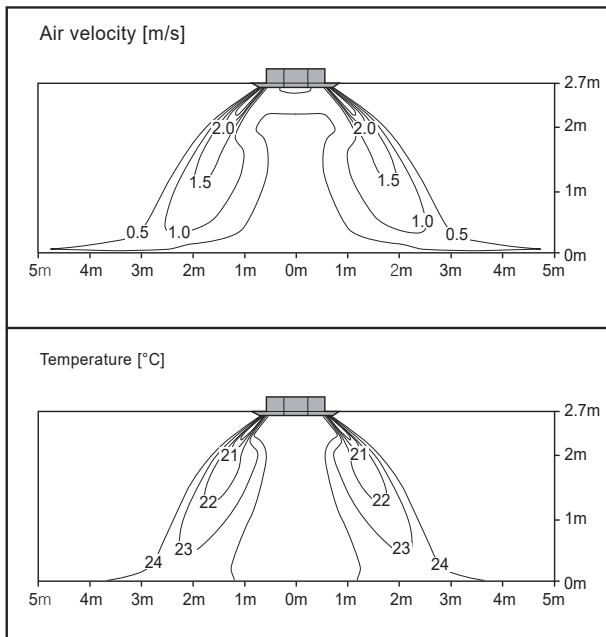
\* Measuring place : Anechoic chamber

## 5. ZTNQ30GNLE0

### 5.8 Air flow and temperature distributions

#### 5.8.1 Cooling operation

Discharge angle: 40°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 6. ZTNQ36GNLE0

## 6.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TN
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	90
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 25.0 / 22.0 / 19.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	124
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 10 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.43
Dimensions	Net(W x H x D)	mm	840 x 246 x 840
	Shipping(W x H x D)	mm	922 x 318 x 917
Weight	Net	kg	25.0
	Shipping	kg	27.2
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 45 / 41 / 37
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 6. ZTNQ36GNLE0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 6. ZTNQ36GNLE0

## 6.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)



## 6. ZTNQ36GNLE0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 6. ZTNQ36GNLE0

## 6.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
		PTDCA	For TM-A/TP-B Chassis	X

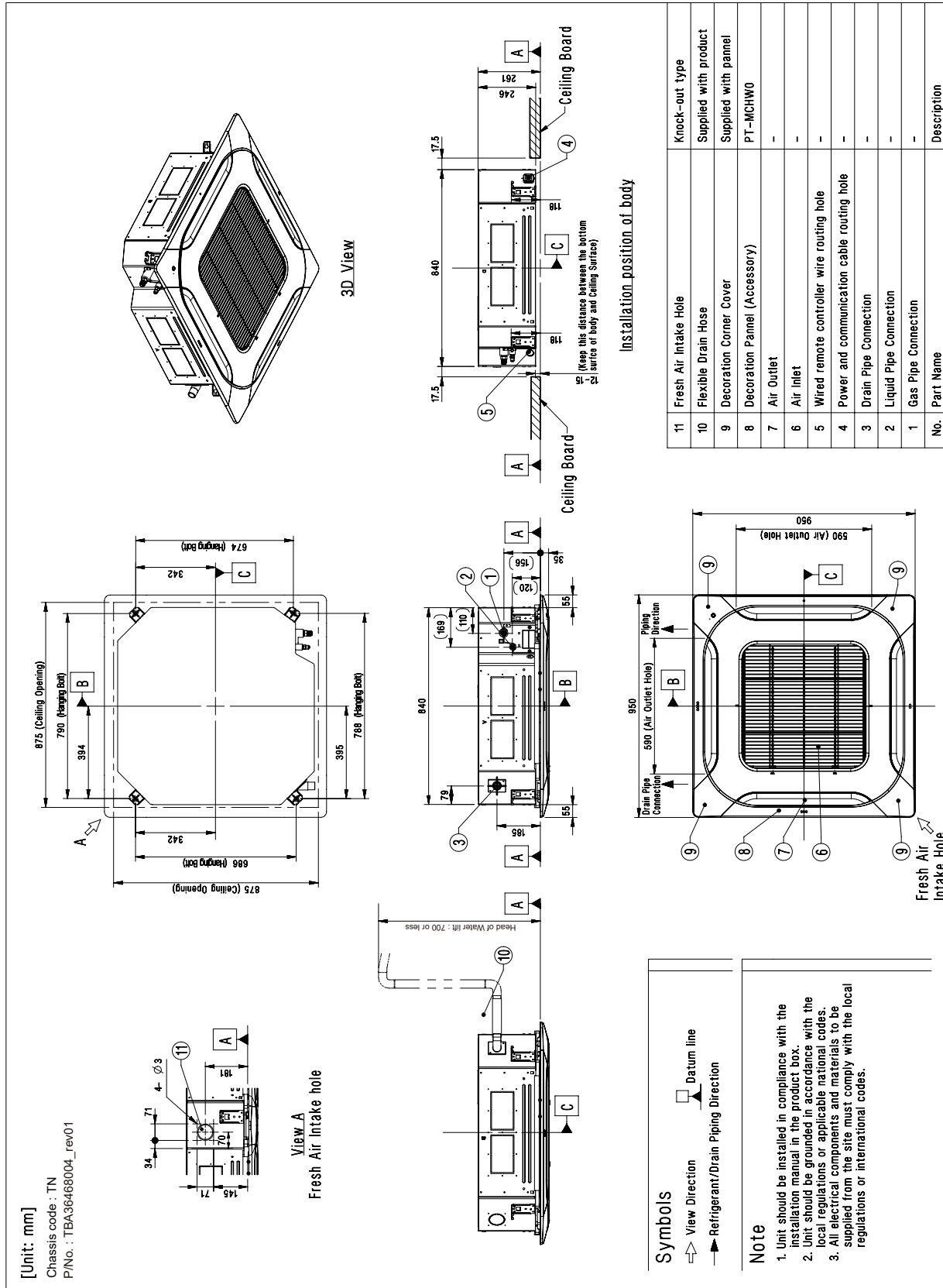
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- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
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6. ZTNQ36GNLE0

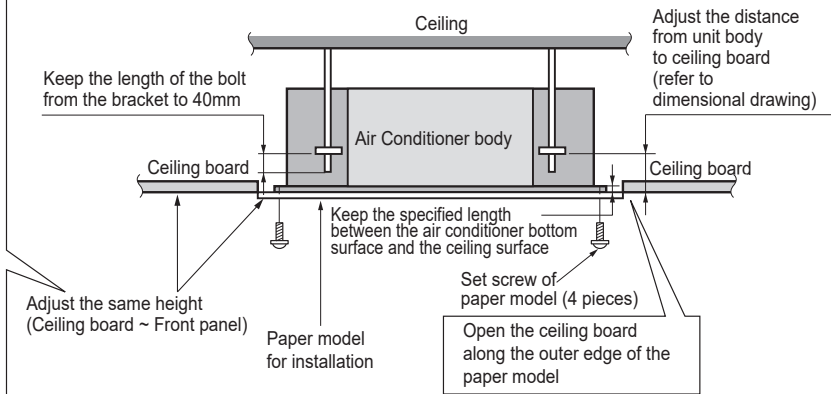
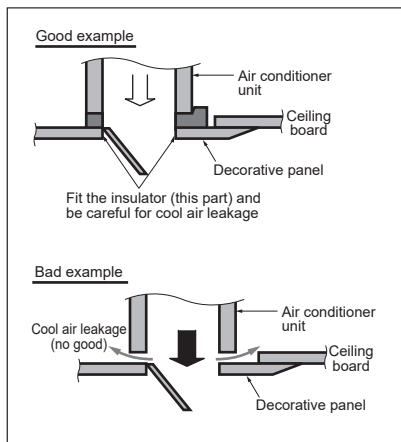
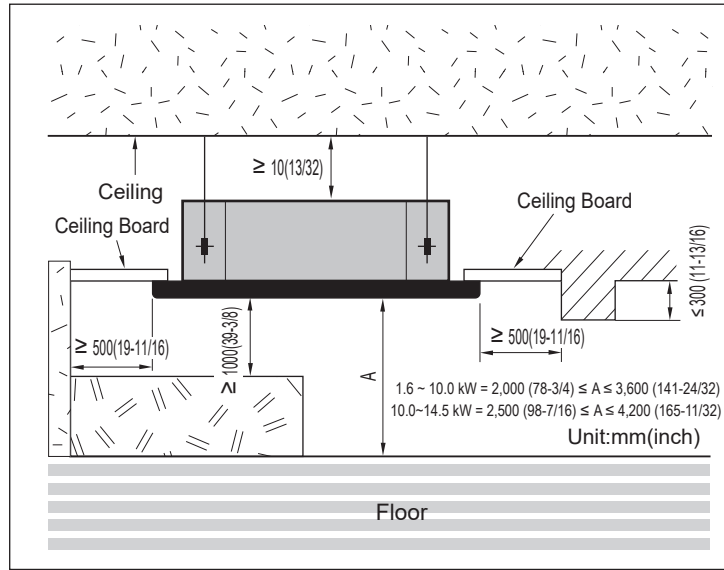
6.4 Dimensions

6.4.1 Product



6. ZTNQ36GNLE0

6.4.2 Intallation Space



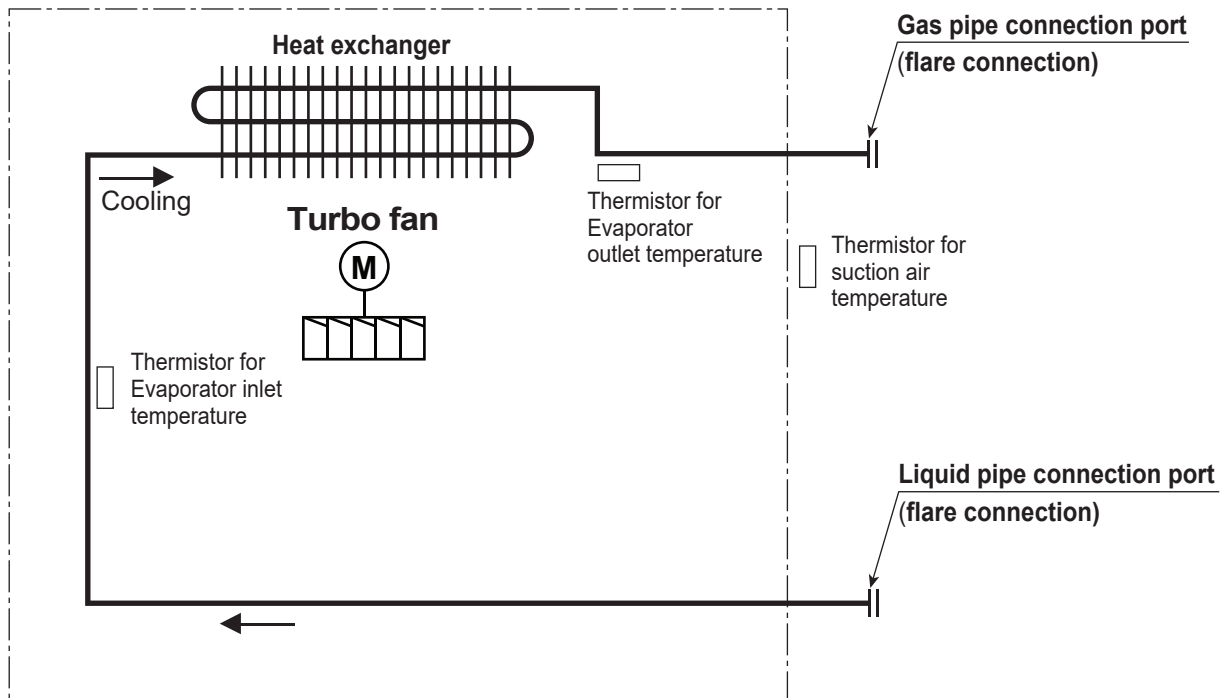
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

## 6. ZTNQ36GNLE0

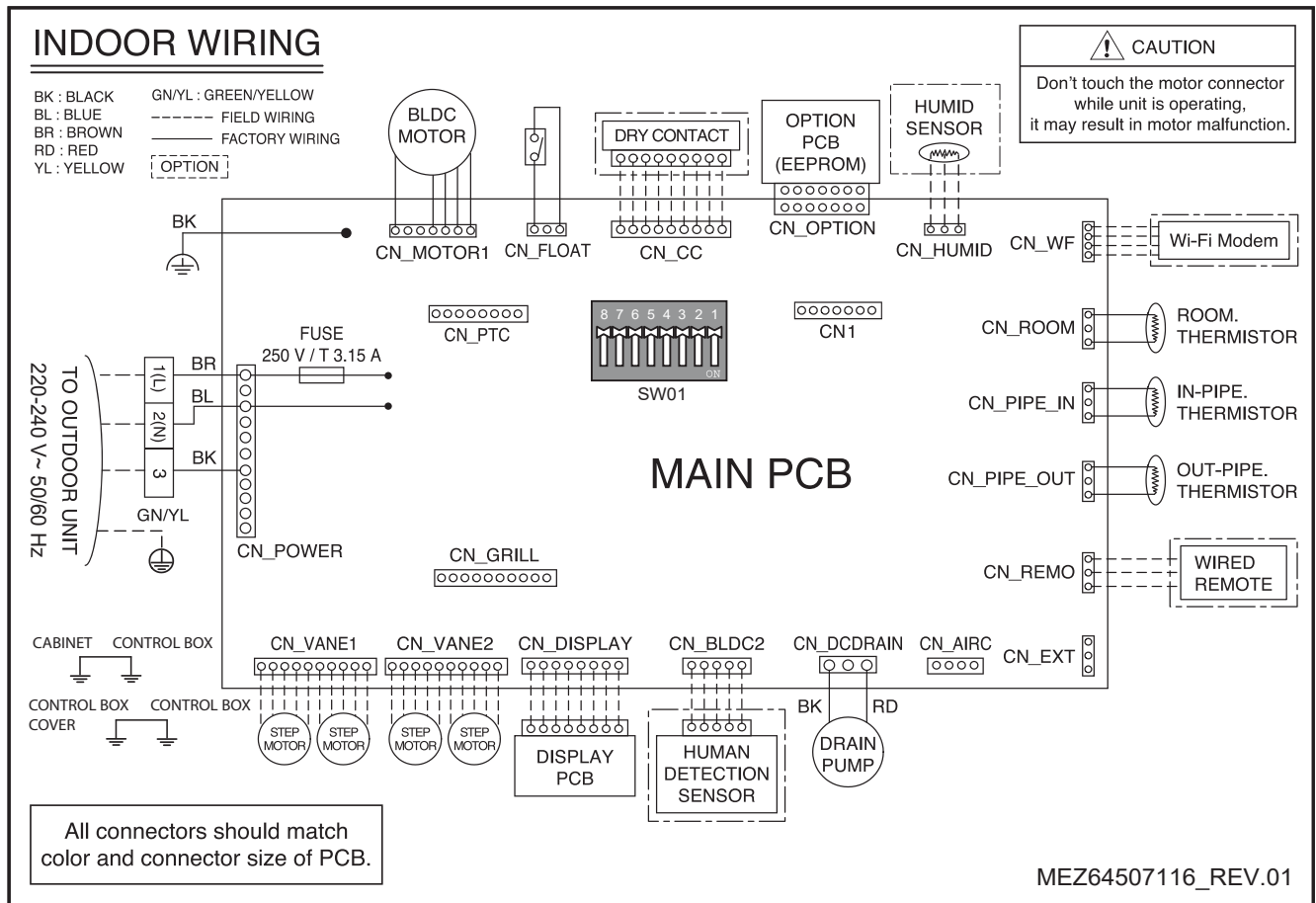
### 6.5 Piping Diagrams

#### 6.5.1 Normal



6. ZTNQ36GNLE0

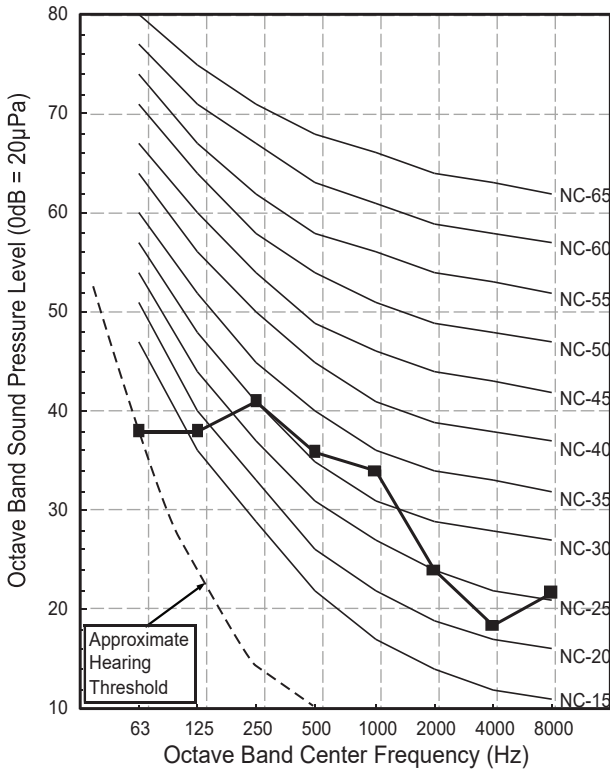
6.6 Wiring Diagrams



## 6. ZTNQ36GNLE0

### 6.7 Sound Levels

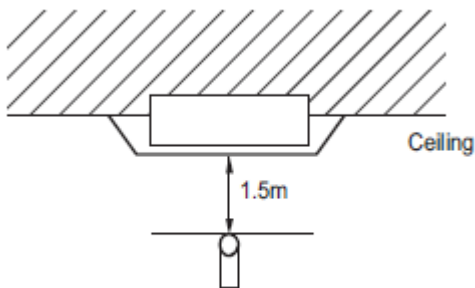
#### 6.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 45 / 41 / 37

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



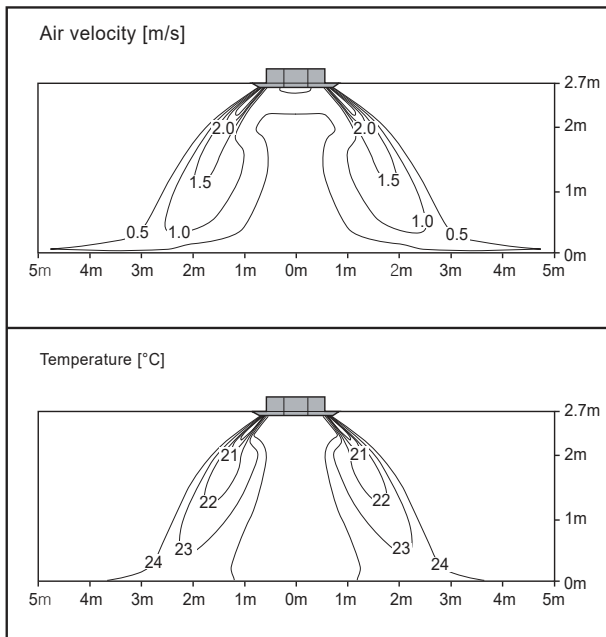
\* Measuring place : Anechoic chamber

## 6. ZTNQ36GNLE0

### 6.8 Air flow and temperature distributions

#### 6.8.1 Cooling operation

Discharge angle: 40°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.



## 7. ZTNQ36GNLA0

## 7.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TN
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	90
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 25.0 / 22.0 / 19.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	124
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 10 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.43
Dimensions	Net(W x H x D)	mm	840 x 246 x 840
	Shipping(W x H x D)	mm	922 x 318 x 917
Weight	Net	kg	25.0
	Shipping	kg	27.2
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	32(1-1/4)/ 25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 45 / 41 / 37
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 7. ZTNQ36GNLA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.

Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 7. ZTNQ36GNLA0

## 7.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 7. ZTNQ36GNLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 7. ZTNQ36GNLA0

## 7.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
		PTDCA	For TM-A/TP-B Chassis	X

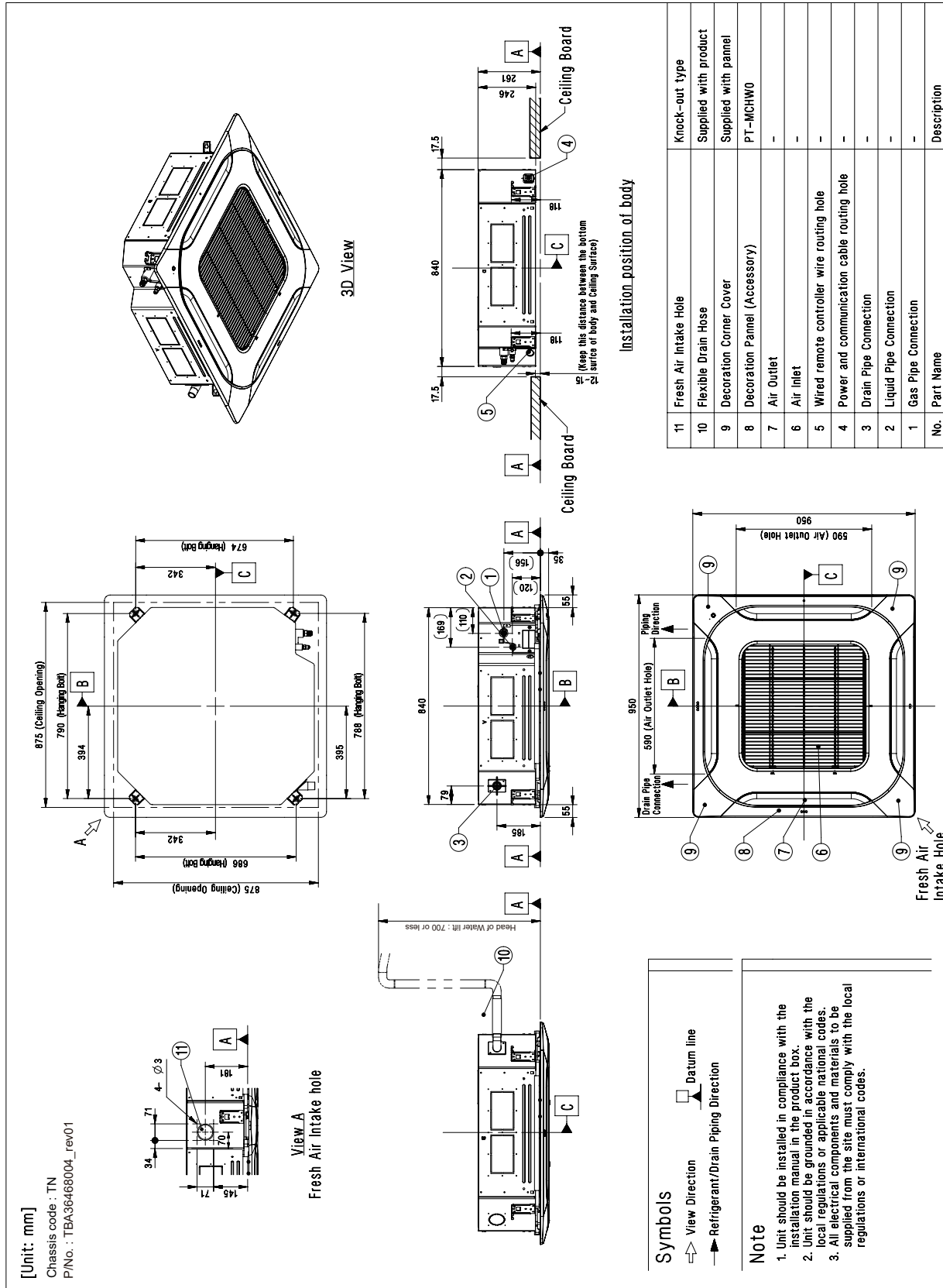
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

7. ZTNQ36GNLA0

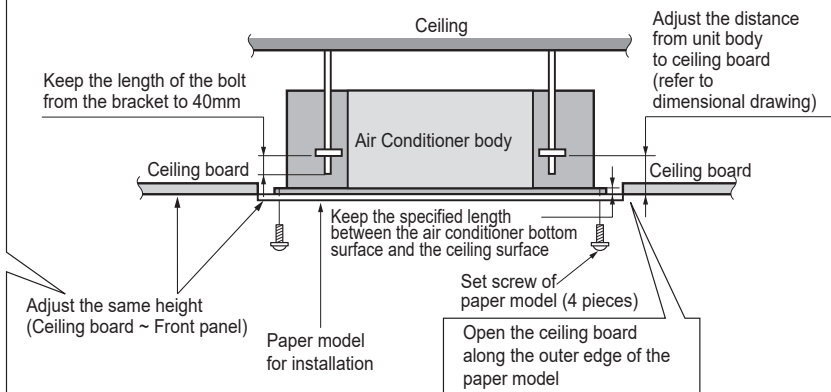
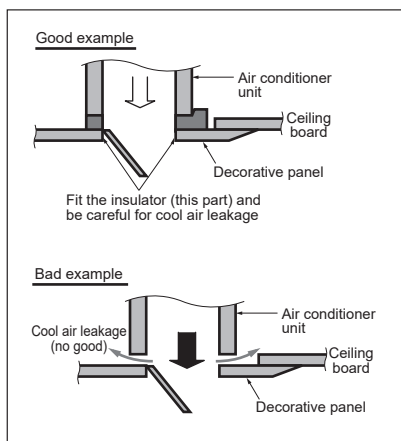
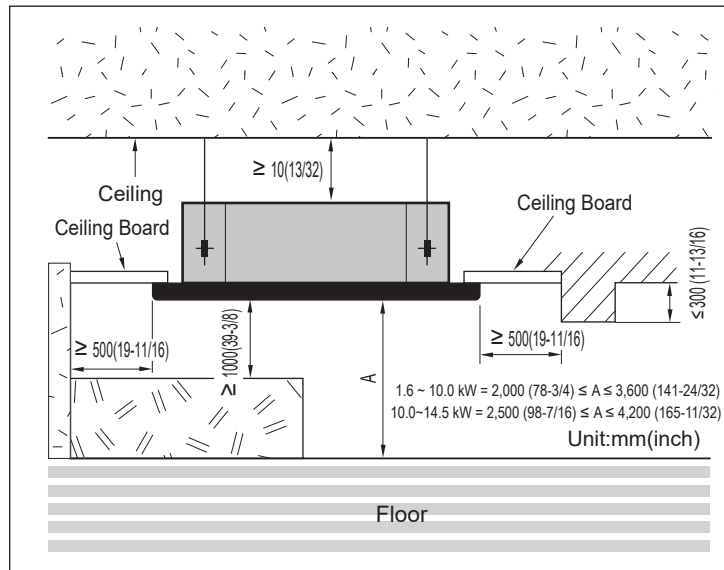
7.4 Dimensions

7.4.1 Product



7. ZTNQ36GNLA0

7.4.2 Intallation Space



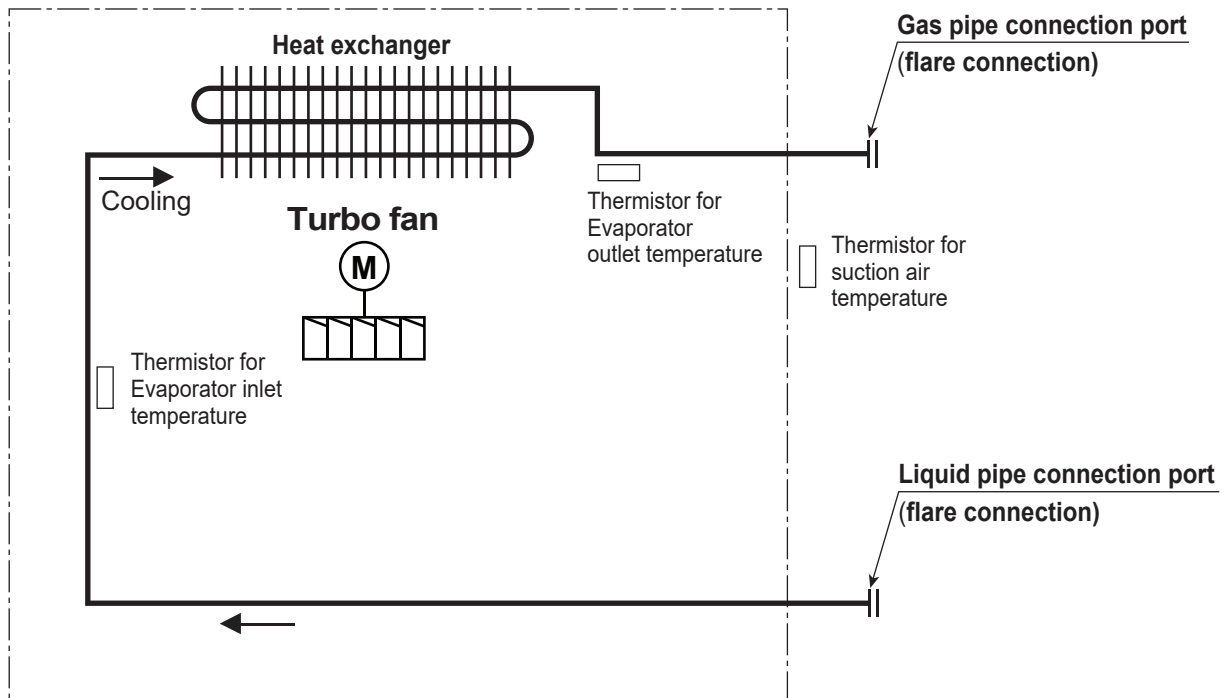
**Note**

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

## 7. ZTNQ36GNLA0

### 7.5 Piping Diagrams

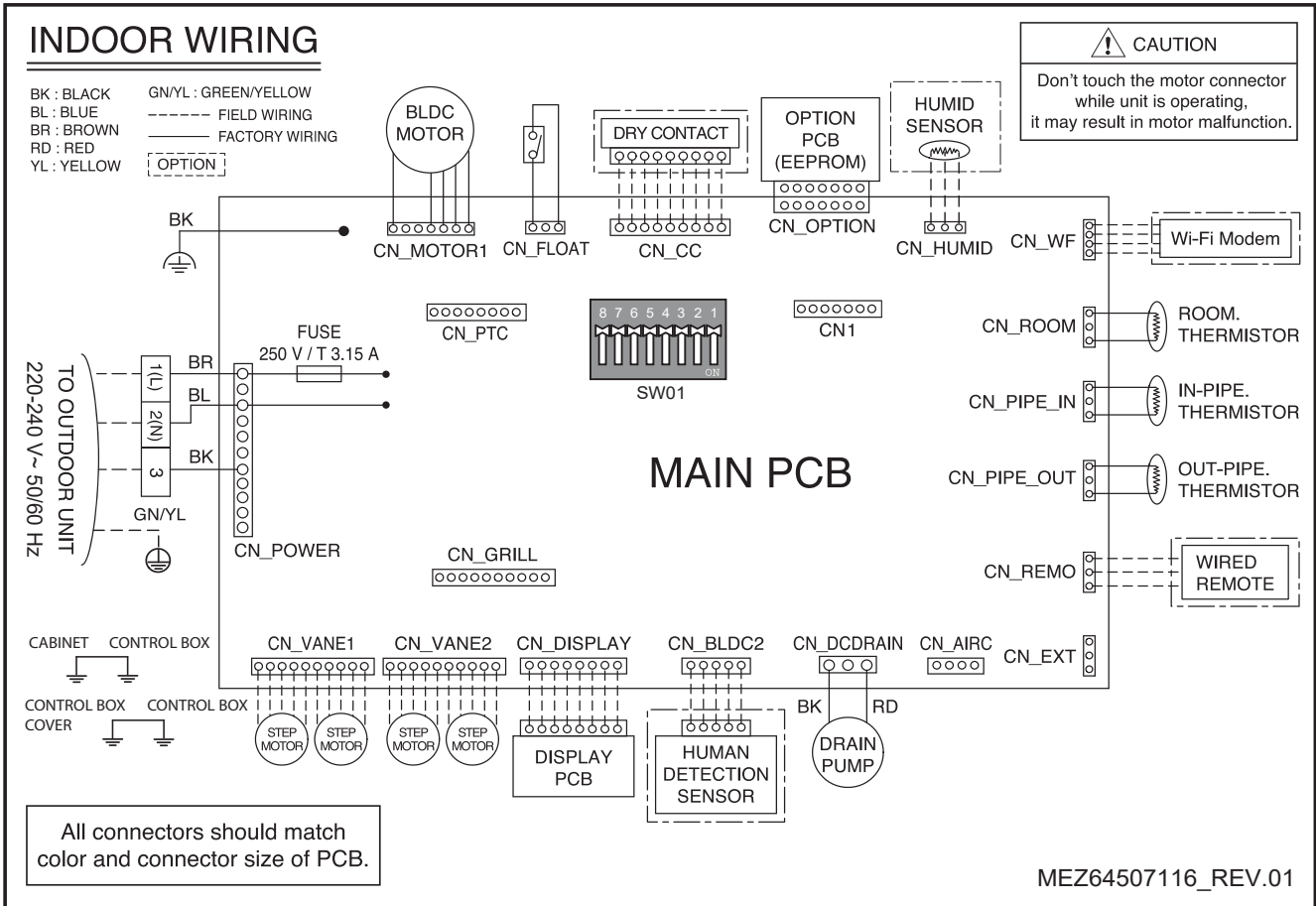
#### 7.5.1 Normal





7. ZTNQ36GNLA0

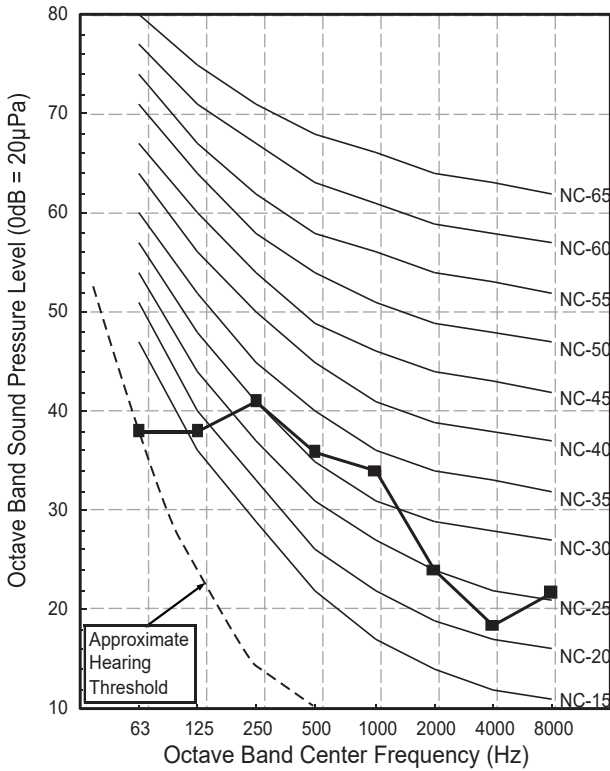
7.6 Wiring Diagrams



## 7. ZTNQ36GNLA0

### 7.7 Sound Levels

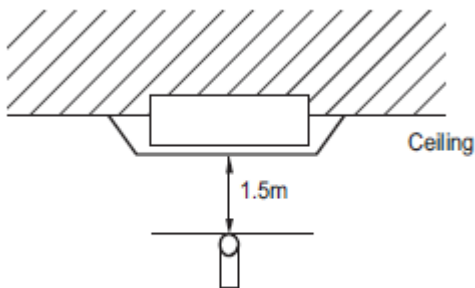
#### 7.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 45 / 41 / 37

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



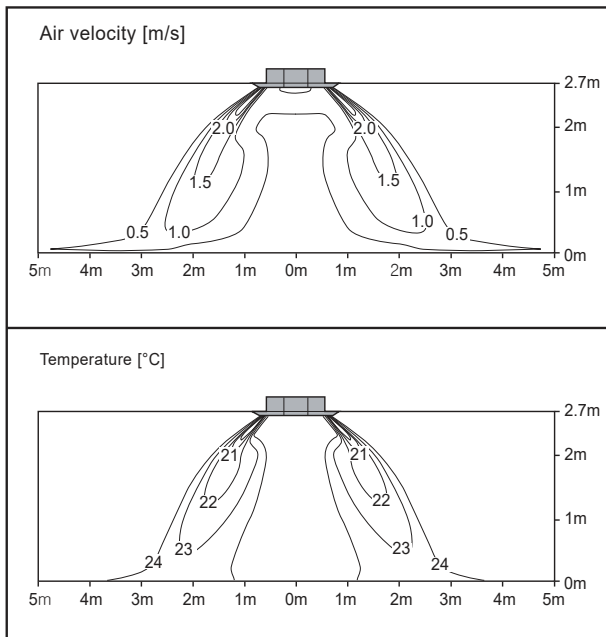
\* Measuring place : Anechoic chamber

## 7. ZTNQ36GNLA0

### 7.8 Air flow and temperature distributions

#### 7.8.1 Cooling operation

Discharge angle: 40°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 8. ZTNQ36LNLA0

## 8.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TN
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	90
Running Current	Maximum	A	0.8
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 25.0 / 22.0 / 19.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	124
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 10 x 19
	No.	-	1
	Face Area	m <sup>2</sup>	0.43
Dimensions	Net(W x H x D)	mm	840 x 246 x 840
	Shipping(W x H x D)	mm	922 x 318 x 917
Weight	Net	kg	25.0
	Shipping	kg	27.2
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 45 / 41 / 37
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	0.8
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

### 8. ZTNQ36LNLA0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 8. ZTNQ36LNLA0

## 8.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 8. ZTNQ36LNLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 8. ZTNQ36LNLA0

## 8.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

**Note**

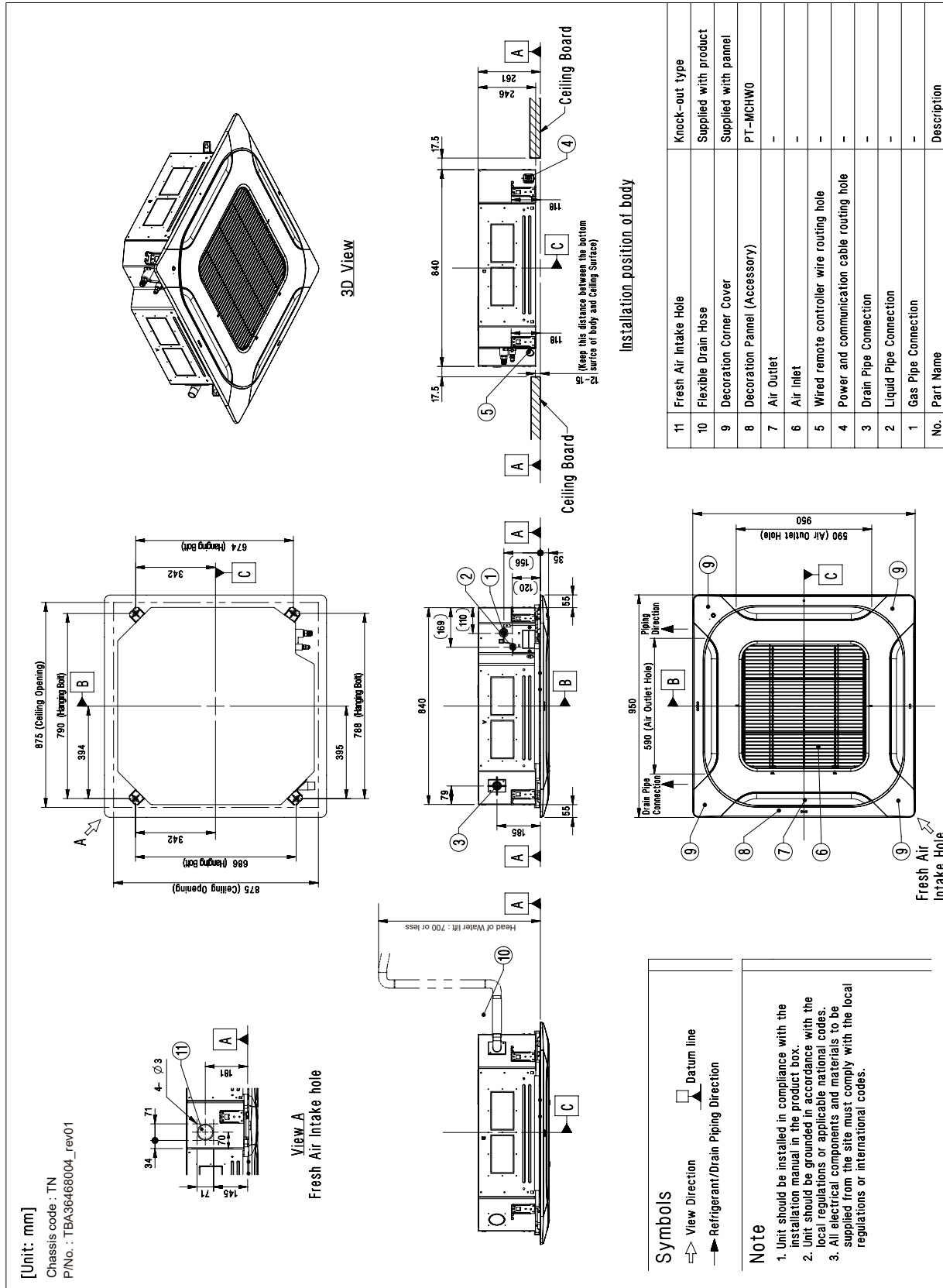
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- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).



8. ZTNQ36LNLA0

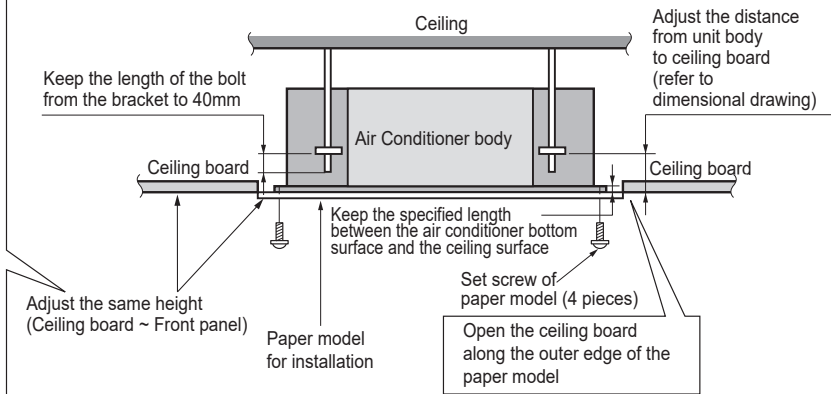
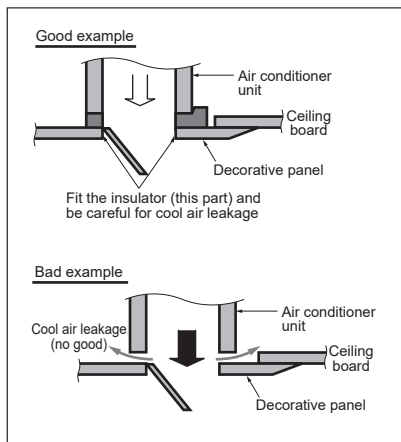
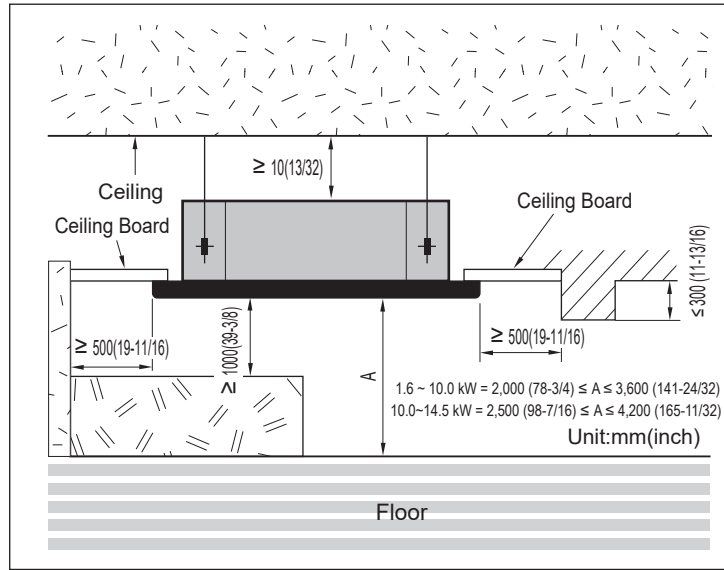
8.4 Dimensions

8.4.1 Product



8. ZTNQ36LNLA0

8.4.2 Intallation Space



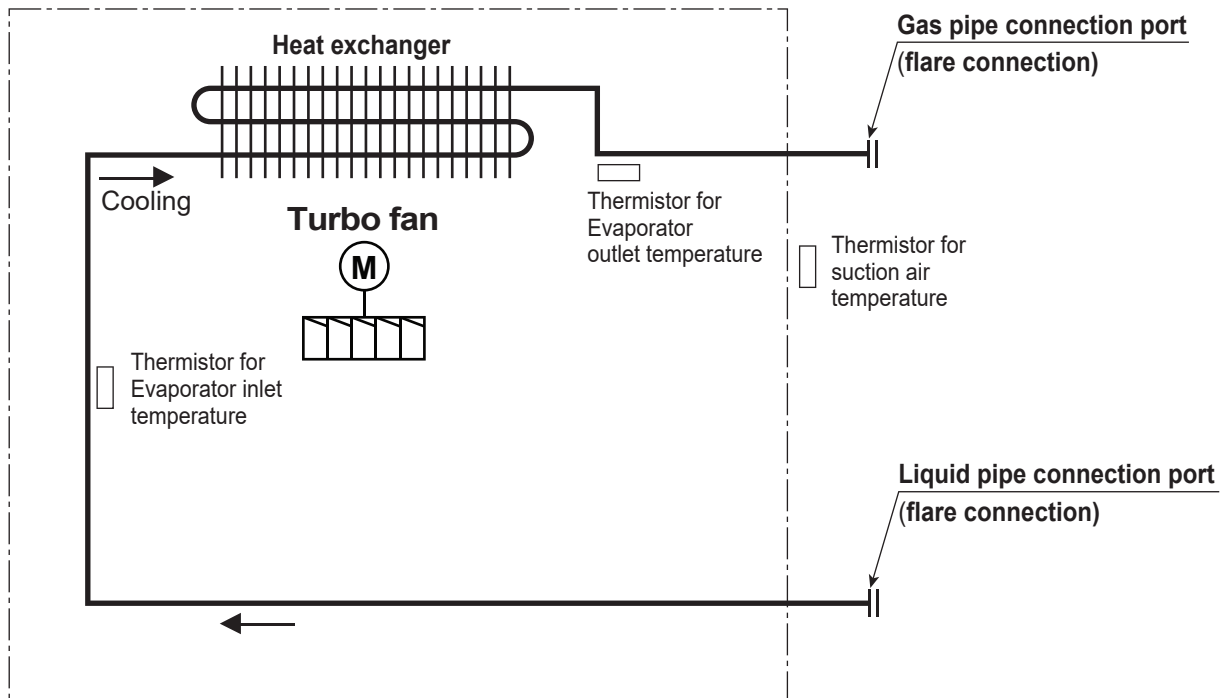
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

## 8. ZTNQ36LNLA0

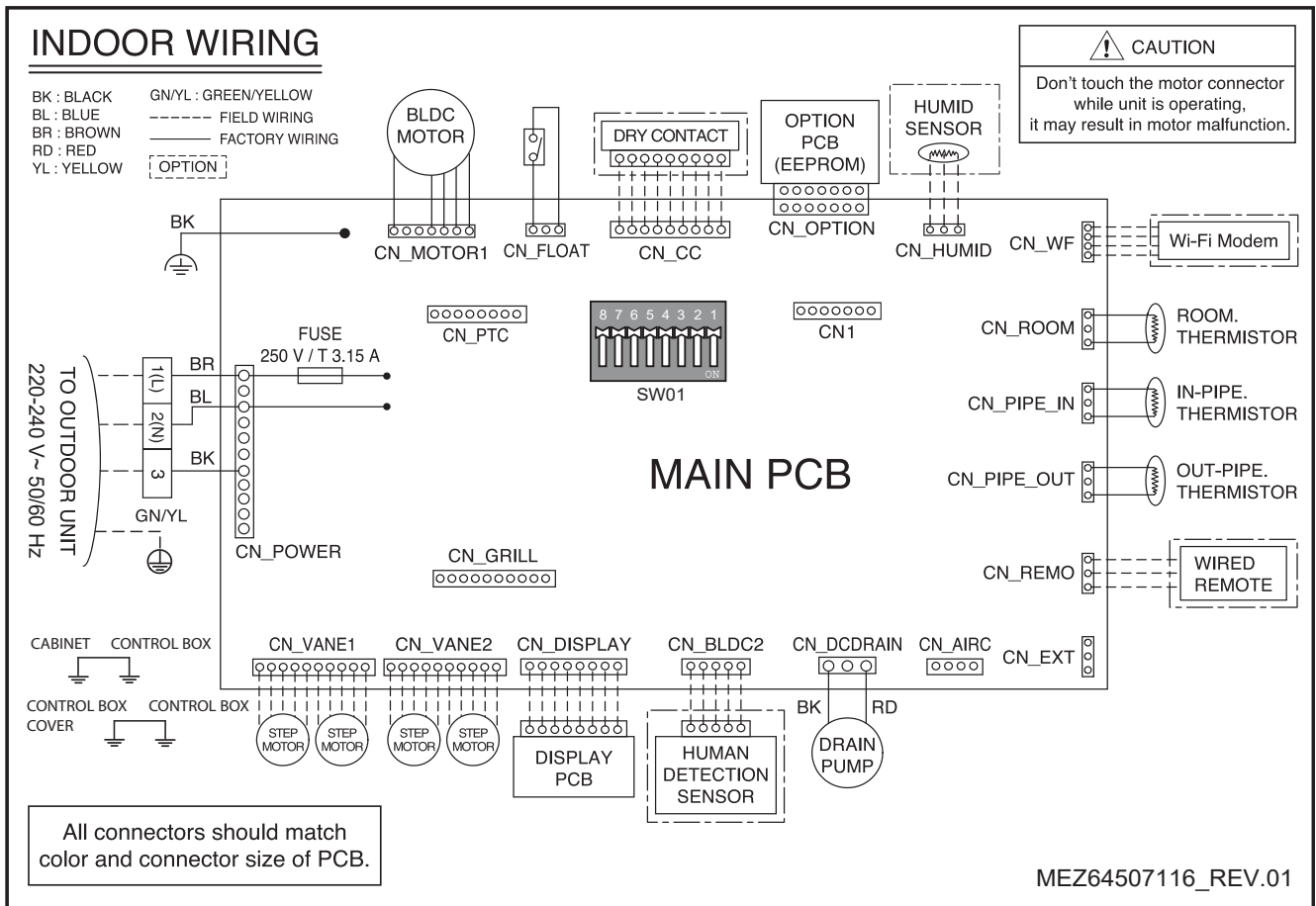
### 8.5 Piping Diagrams

#### 8.5.1 Normal



8. ZTNQ36LNLA0

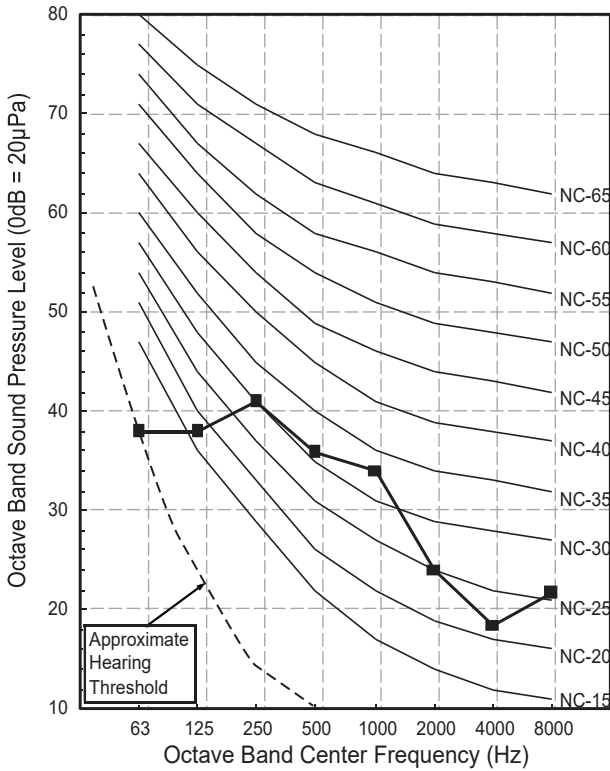
8.6 Wiring Diagrams



8. ZTNQ36LNLA0

8.7 Sound Levels

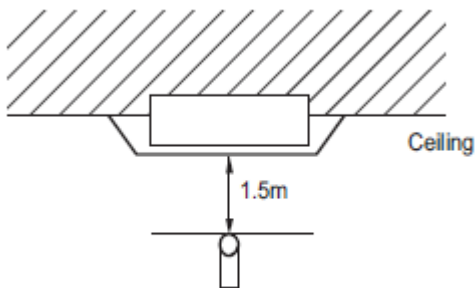
8.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 45 / 41 / 37

Note

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



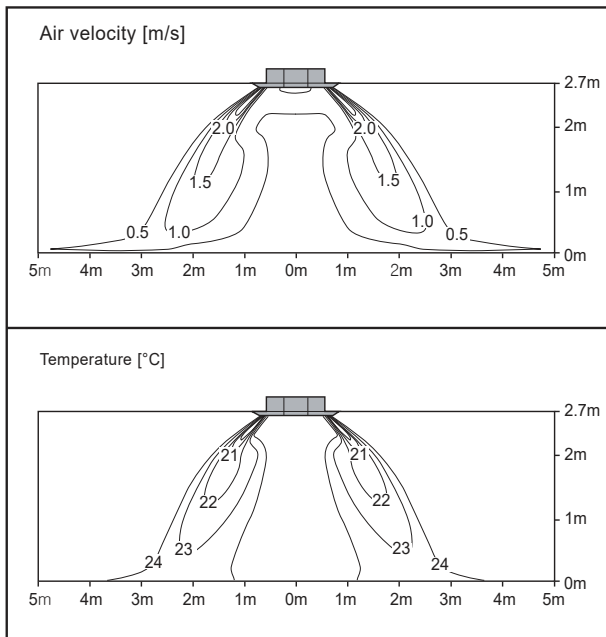
\* Measuring place : Anechoic chamber

## 8. ZTNQ36LNLA0

### 8.8 Air flow and temperature distributions

#### 8.8.1 Cooling operation

Discharge angle: 40°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 9. ZTNQ48GMLA0

## 9.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TM
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	125
Running Current	Maximum	A	1.2
Power Factor(Cooling/Heating)	Rated	-	0.99 /0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 32.0 / 30.0 / 28.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	124
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	(2 x 12 x 19)+(1 x 10 x 19)
	No.	-	2
	Face Area	m <sup>2</sup>	0.52
Dimensions	Net(W x H x D)	mm	840 x 288 x 840
	Shipping(W x H x D)	mm	922 x 360 x 917
Weight	Net	kg	26.0
	Shipping	kg	31.0
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 44 / 42 / 40
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.2
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 9. ZTNQ48GMLA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.

Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.



## 9. ZTNQ48GMLA0

## 9.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 9. ZTNQ48GMLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 9. ZTNQ48GMLA0

## 9.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
		PWLSSB21H	For Heat pump	X
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

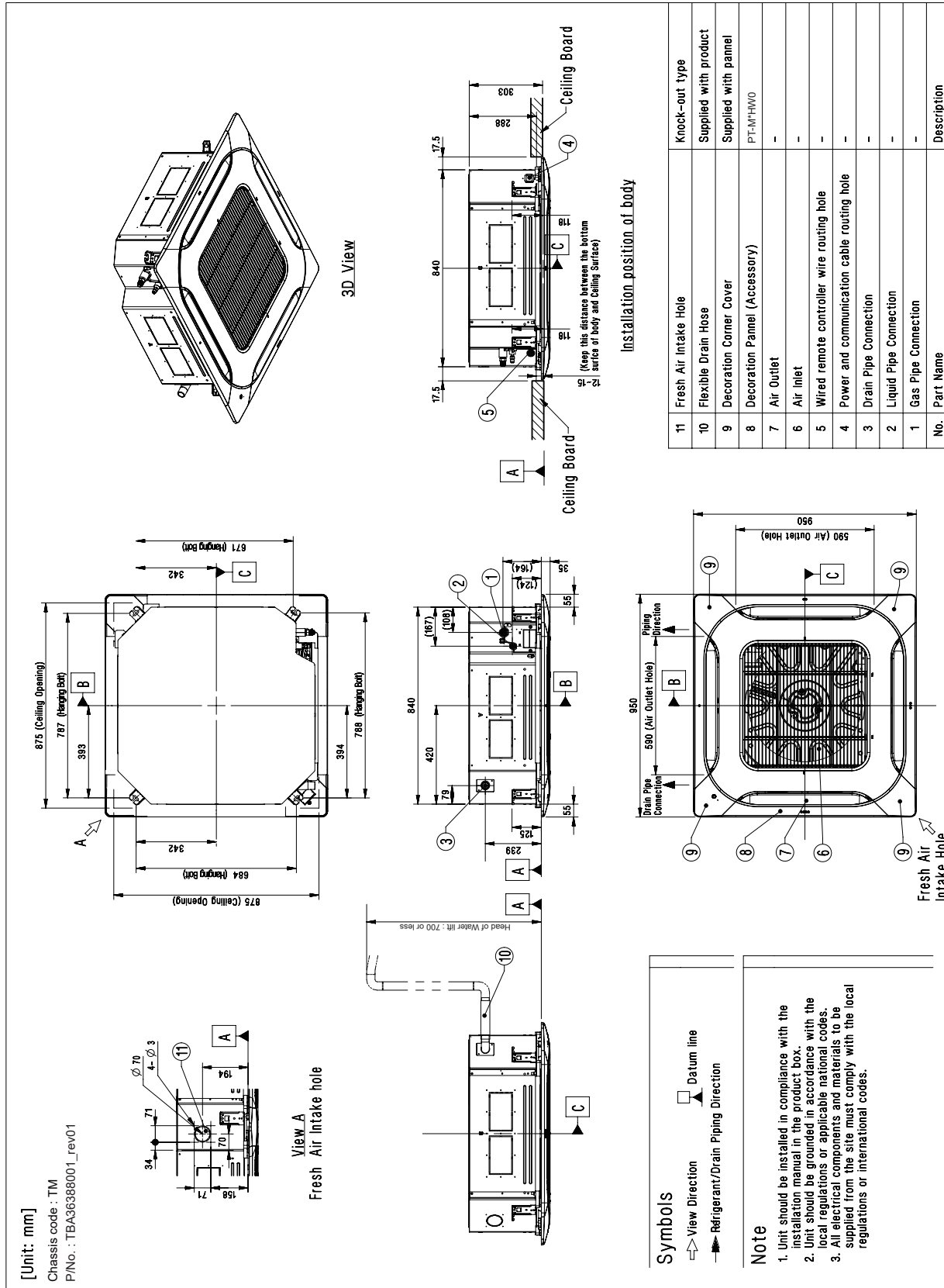
**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

9. ZTNQ48GMLA0

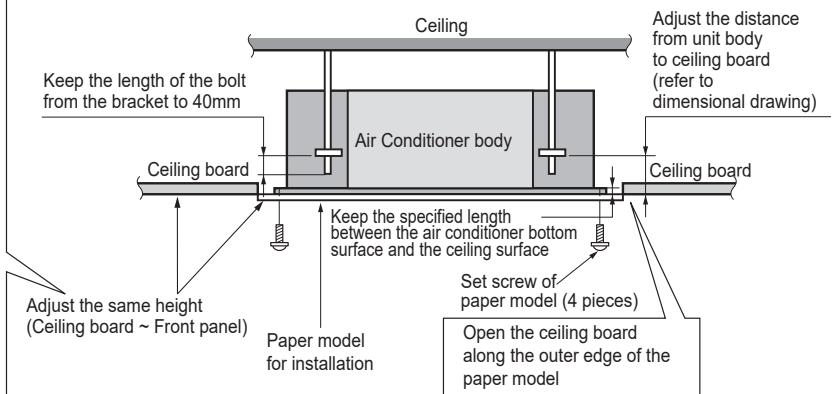
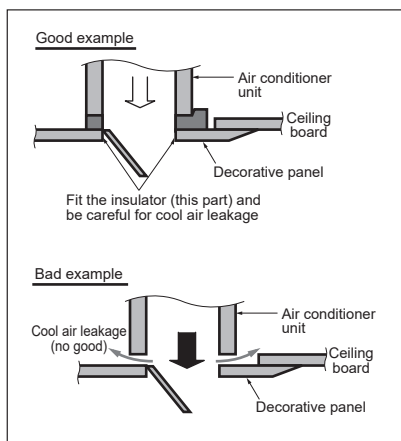
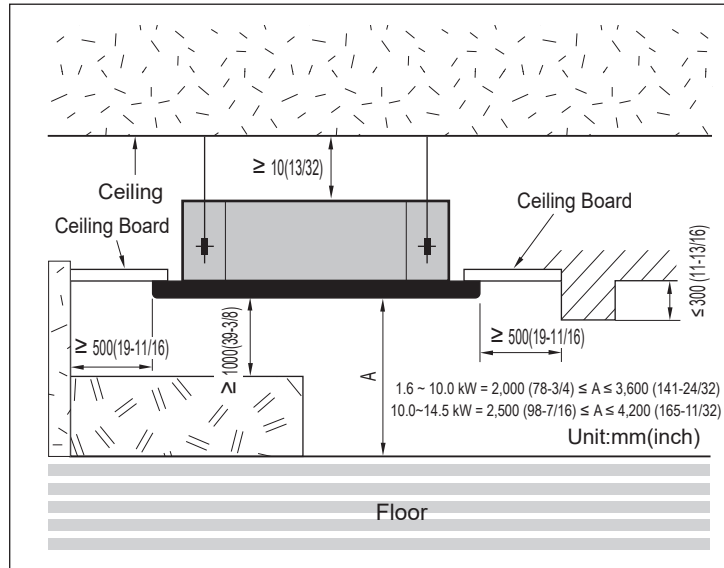
9.4 Dimensions

9.4.1 Product



9. ZTNQ48GMLA0

9.4.2 Install Space



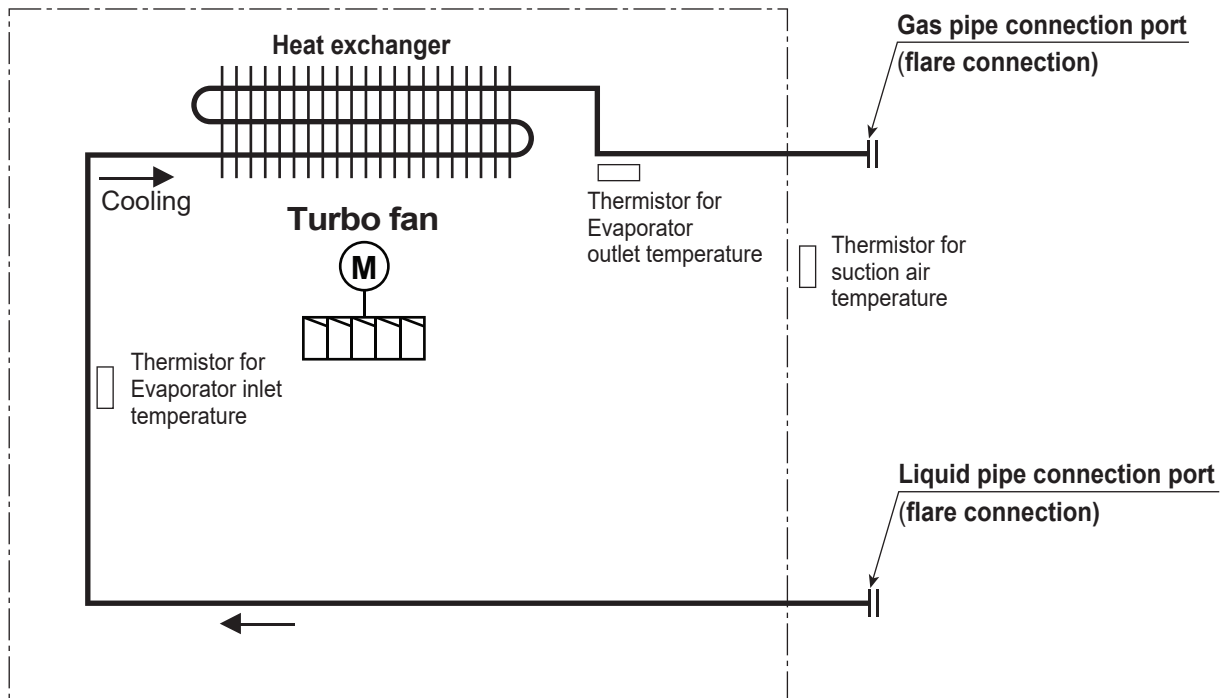
Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

9. ZTNQ48GMLA0

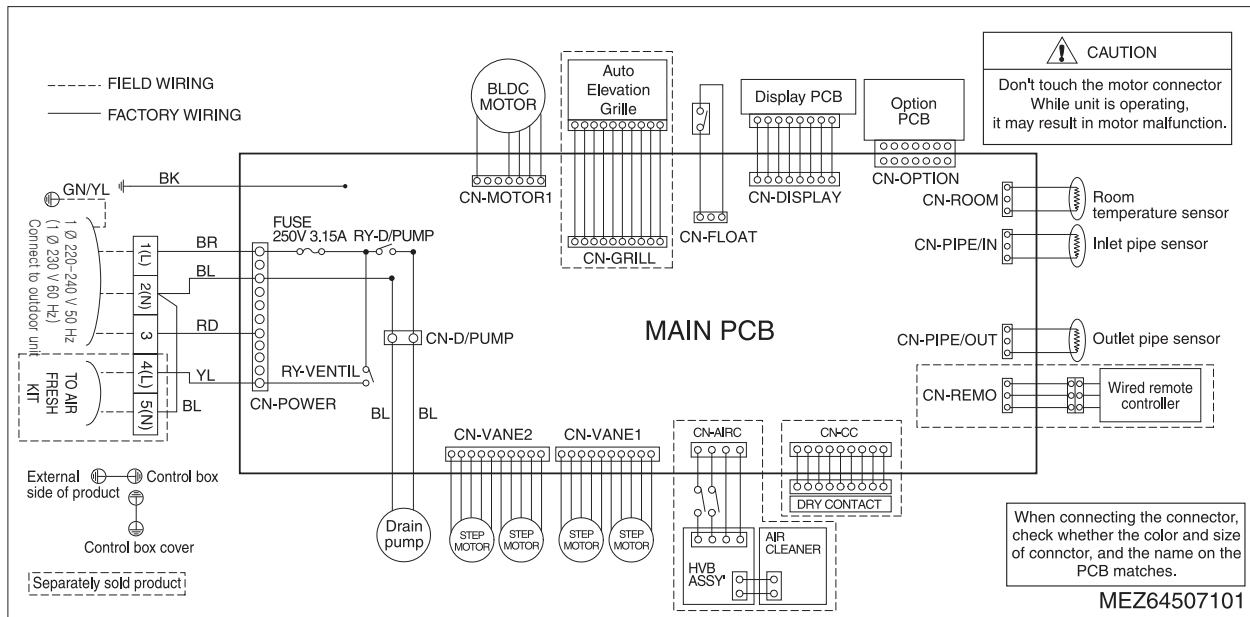
9.5 Piping Diagrams

9.5.1 Normal



9. ZTNQ48GMLA0

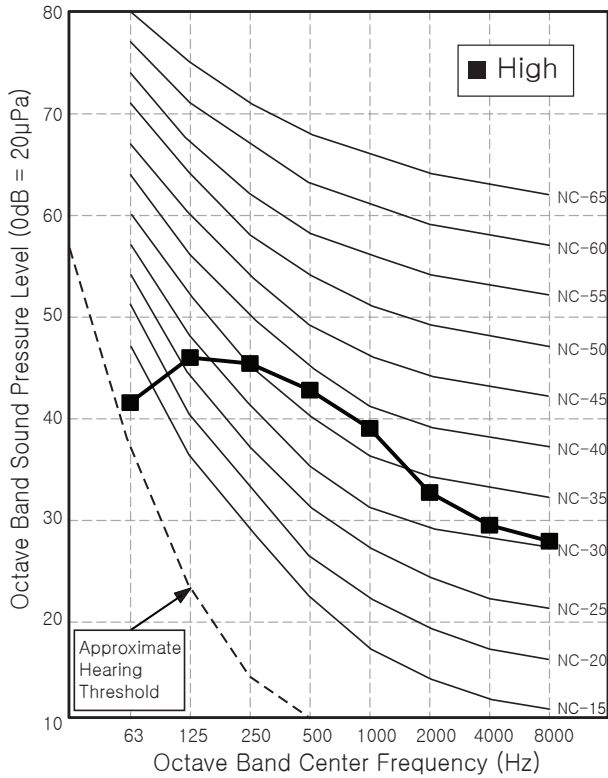
9.6 Wiring Diagrams



9. ZTNQ48GMLA0

9.7 Sound Levels

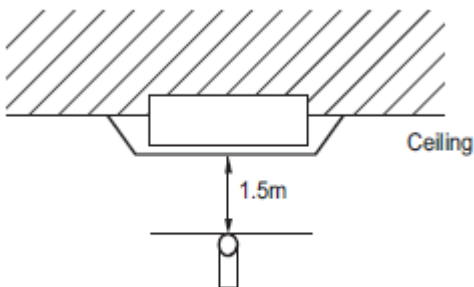
9.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 44 / 42 / 40

Note

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



\* Measuring place : Anechoic chamber

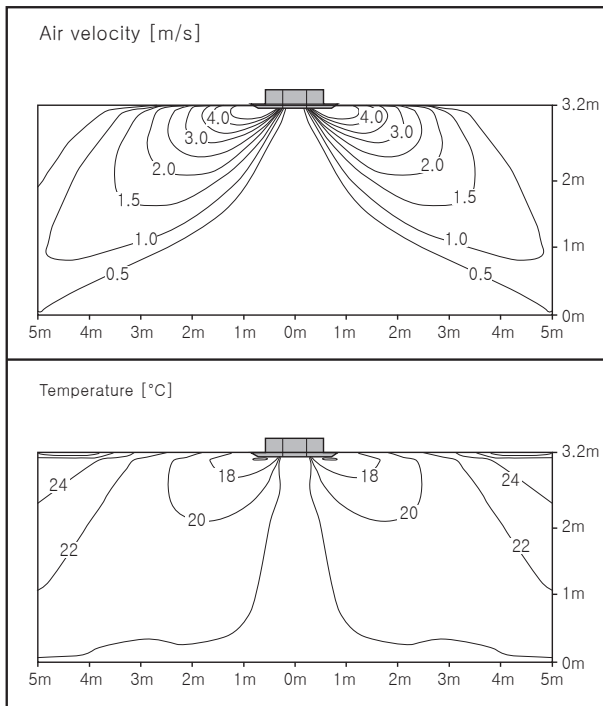


## 9. ZTNQ48GMLA0

### 9.8 Air flow and temperature distributions

#### 9.8.1 Cooling operation

Discharge angle: 30°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 10. ZTNQ48LMLA0

## 10.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TM
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~256
Power Input(Indoor)	Rated	W	125
Running Current	Maximum	A	1.2
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 32.0 / 30.0 / 28.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	124
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	(2 x 12 x 19)+(1 x 10 x 19)
	No.	-	2
	Face Area	m <sup>2</sup>	0.52
Dimensions	Net(W x H x D)	mm	840 x 288 x 840
	Shipping(W x H x D)	mm	922 x 360 x 917
Weight	Net	kg	26.0
	Shipping	kg	31.0
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 44 / 42 / 40
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.2
Decoration Panel	Model Name	-	PT-MCHW0
	Net Dimensions(W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions(W x H x D)	mm	1004 x 110 x 1019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 10. ZTNQ48LMLA0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 10. ZTNQ48LMLA0

## 10.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	4
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	X
	Direct Wind*	X
	Dry Operation	X
Air Purification	Air Purify	Accessory
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	X
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	Accessory
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 10. ZTNQ48LMLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 10. ZTNQ48LMLA0

## 10.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQ0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	O
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	O
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

# 10. ZTNQ48LMLA0

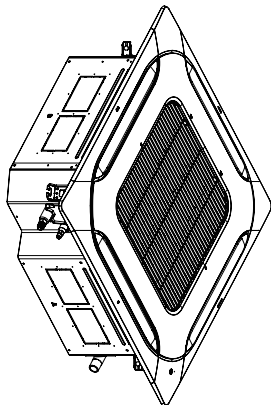
## 10.4 Dimensions

### 10.4.1 Product

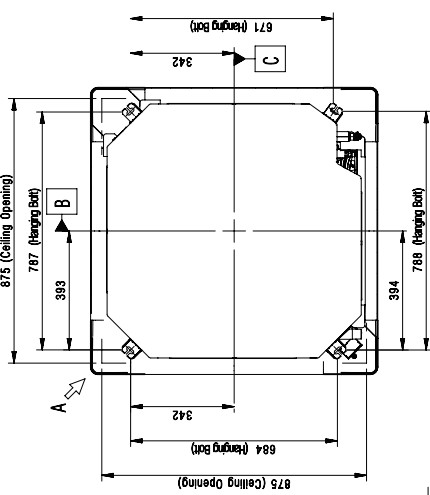
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Chassis code : TM

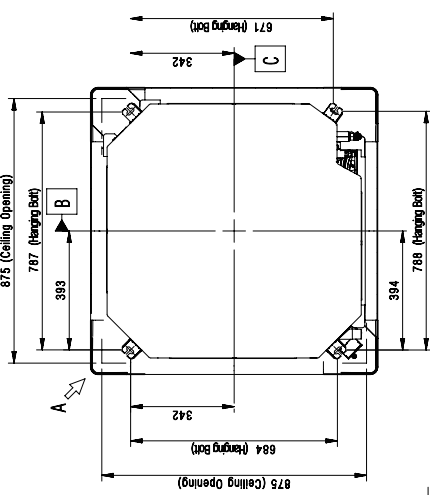
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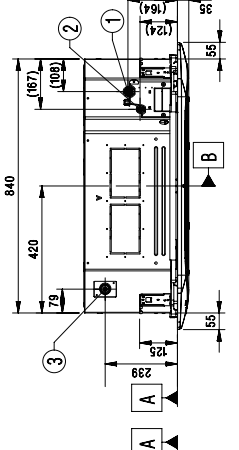


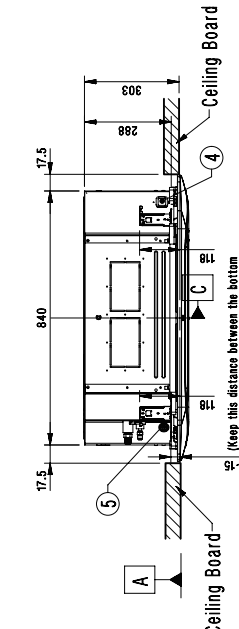
**3D View**



**View A**  
Fresh Air Intake hole

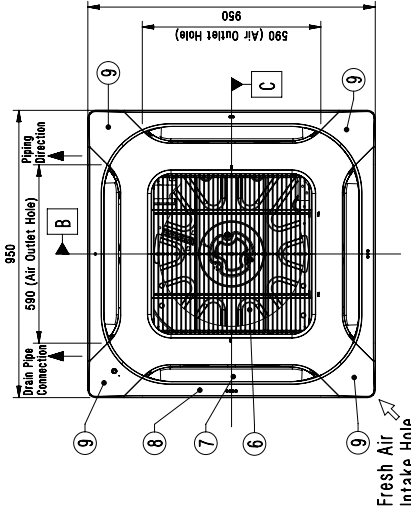




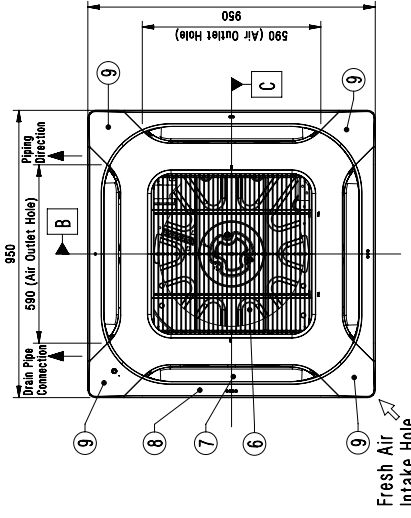


**Installation position of body**

(Keep this distance between the bottom surface of body and ceiling surface)



**Fresh Air Intake Hole**



**Symbols**

- View Direction
- Refrigerant/Drain Piping Direction
- Datum line

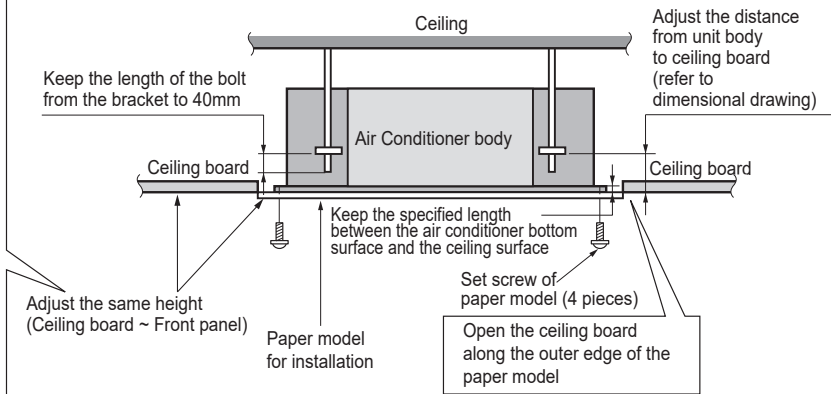
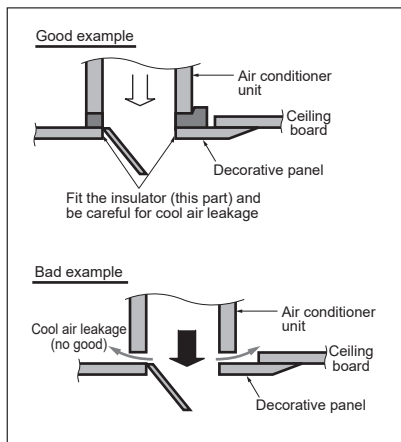
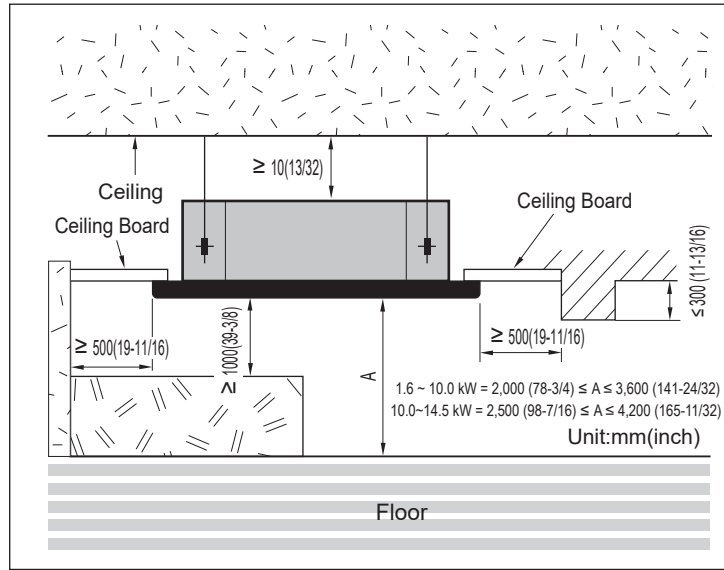
**Note**

1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.

No.	Part Name	Description
11	Fresh Air Intake Hole	Knock-out type
10	Flexible Drain Hose	Supplied with product
9	Decoration Corner Cover	Supplied with panel
8	Decoration Panel (Accessory)	PT-M*H*W0
7	Air Outlet	-
6	Air Inlet	-
5	Wired remote controller wire routing hole	-
4	Power and communication cable routing hole	-
3	Drain Pipe Connection	-
2	Liquid Pipe Connection	-
1	Gas Pipe Connection	-

10. ZTNQ48LMLA0

10.4.2 Install Space



**Note**

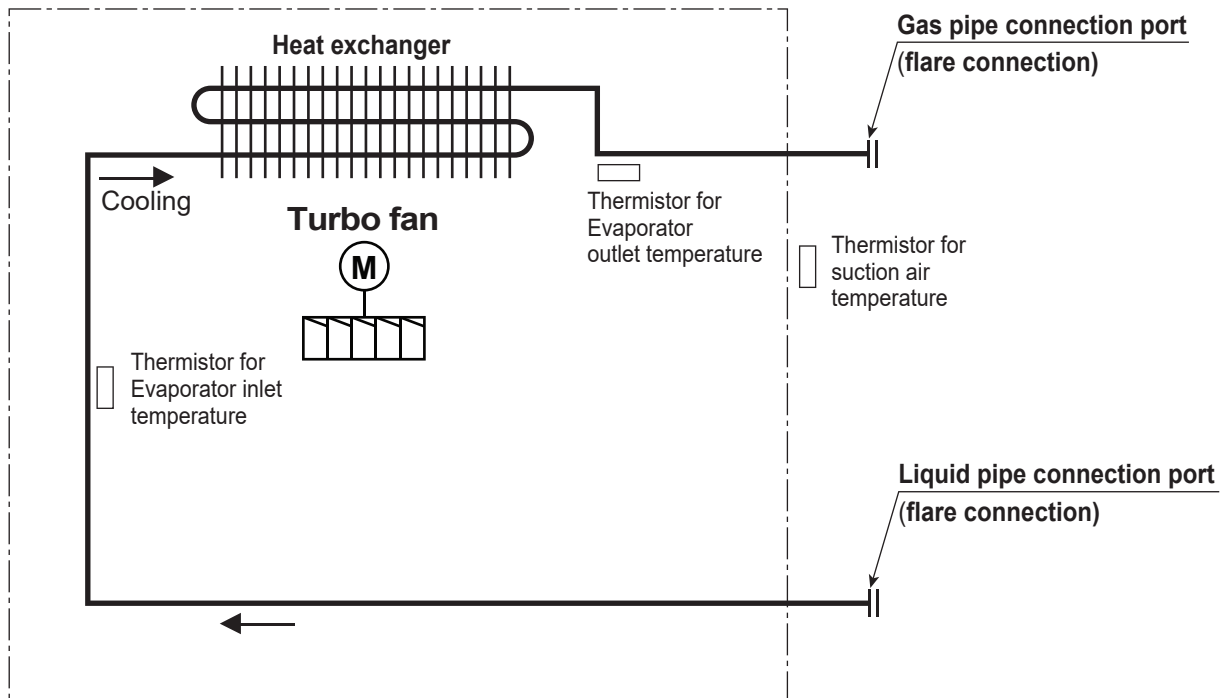
- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.



## 10. ZTNQ48LMLA0

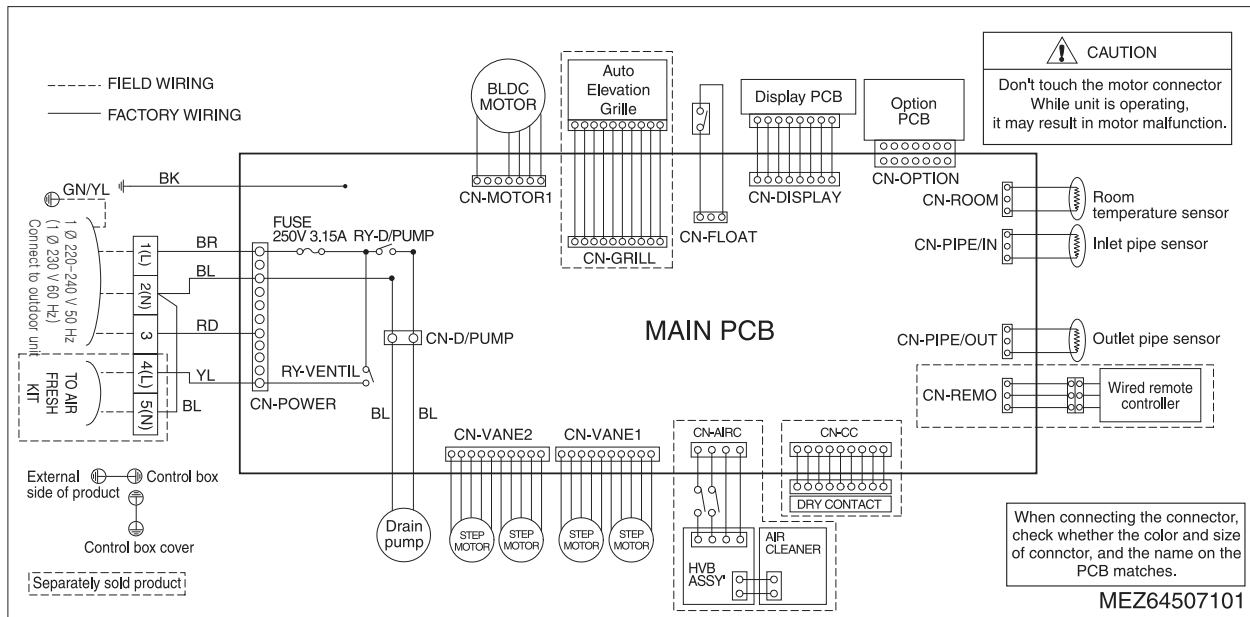
### 10.5 Piping Diagrams

#### 10.5.1 Normal



10. ZTNQ48LMLA0

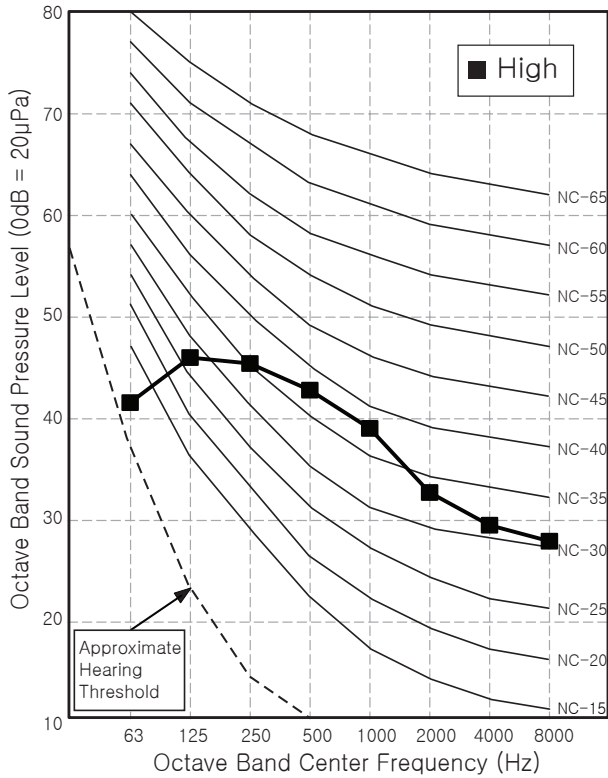
10.6 Wiring Diagrams



## 10. ZTNQ48LMLA0

### 10.7 Sound Levels

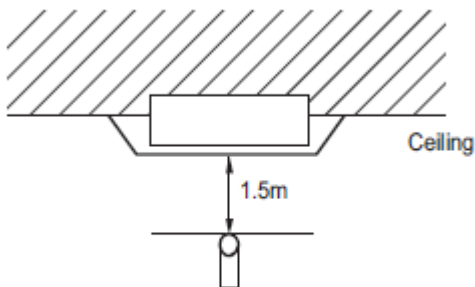
#### 10.7.1 Pressure Levels



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 44 / 42 / 40

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



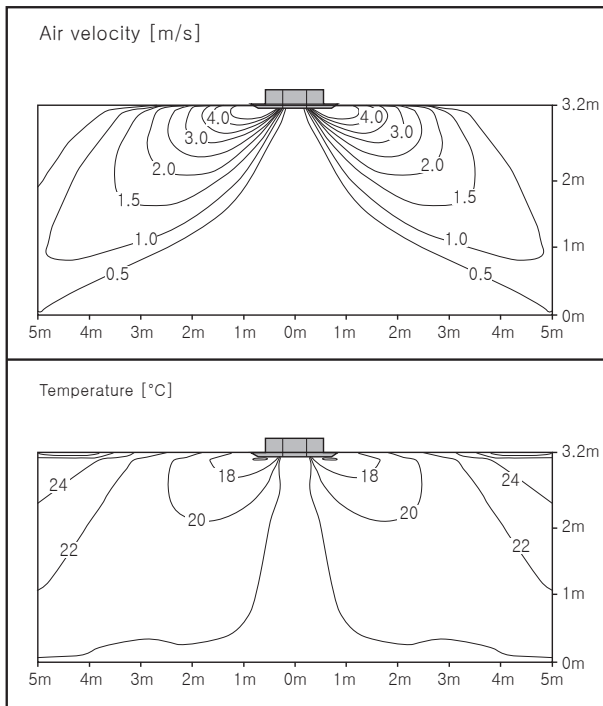
\* Measuring place : Anechoic chamber

## 10. ZTNQ48LMLA0

### 10.8 Air flow and temperature distributions

#### 10.8.1 Cooling operation

Discharge angle: 30°



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 1. ZTNQ36GYLA0

## 1.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TY
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	90
Running Current	Maximum	A	1.2
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	3D Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 25.0 / 21.0 / 19.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	136
No.		1	
Heat Exchanger	Rows x Columns x FPI	-	(2 x 12 x 21) + (1 x 12 x 21)
	No.	-	2
	Face Area	m <sup>2</sup>	0.47
Dimensions	Net(W x H x D)	mm	1050 x 330 x 1050
	Shipping(W x H x D)	mm	1137 x 395 x 1132
Weight	Net	kg	30.0
	Shipping	kg	38.6
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 44 / 40 / 38
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.2
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.

## 1. ZTNQ36GYLA0

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And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

## 1. ZTNQ36GYLA0

## 1.2 List of Functions

Category	Functions	Value
Air Flow	Air Supply Outlet	Round
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	O
	Direct Wind*	O
	Dry Operation	O
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	O
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 1. ZTNQ36GYLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.



## 1. ZTNQ36GYLA0

## 1.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
		PTDCA	For TM-A/TP-B Chassis	X

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

1. ZTNQ36GYLA0

1.4 Dimensions

1.4.1 Product

[Unit: mm]  
 Chassis code : TY  
 DWG No. : TBA36428201\_rev01

3D View

No.	Part Name	Description
9	Wired remote controller wire routing hole	-
8	Power and communication cable routing hole	-
7	Flexible Drain Hose	Supplied with product
6	Decor Panel Assembly	-
5	Air Outlet	-
4	Air Inlet	-
3	Drain Pipe Connection	-
2	Liquid Pipe Connection	-
1	Gas Pipe Connection	-

**Note**

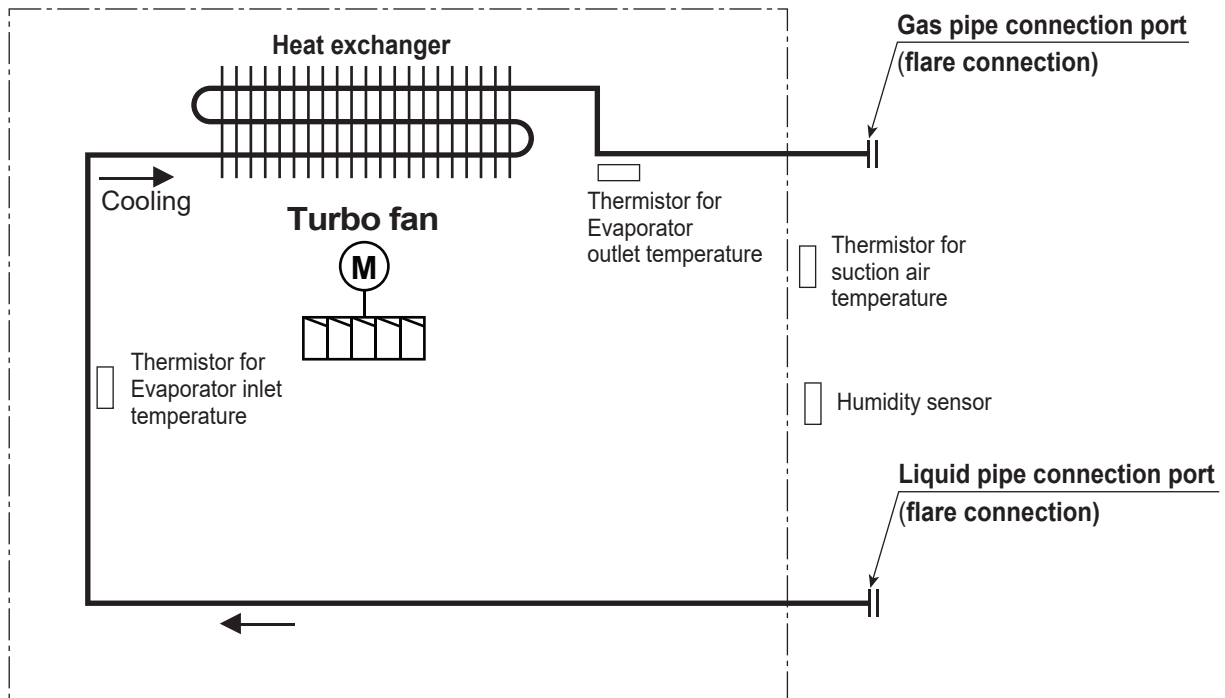
- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- Drain pipe and gas pipe should be supplied from the site. The site must comply with the local regulations or international codes.



# 1. ZTNQ36GYLA0

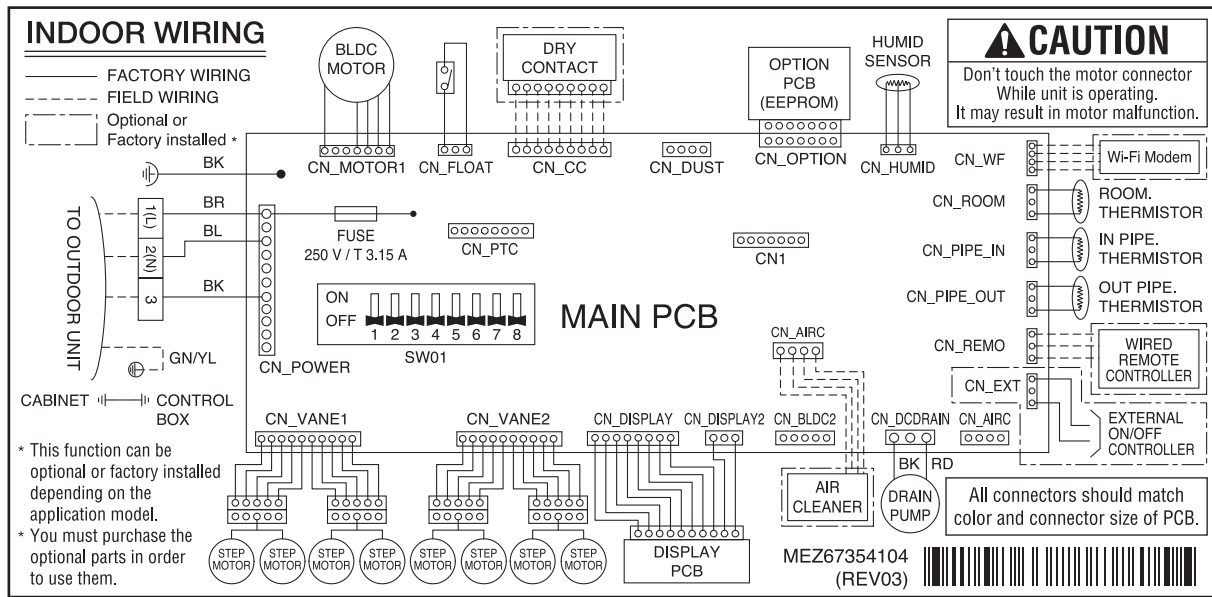
## 1.5 Piping Diagrams

### 1.5.1 Normal



1. ZTNQ36GYLA0

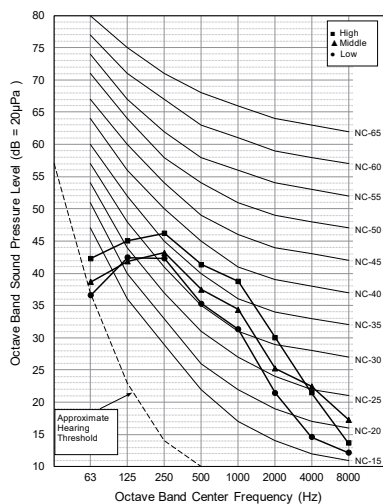
1.6 Wiring Diagrams



# 1. ZTNQ36GYLA0

## 1.7 Sound Levels

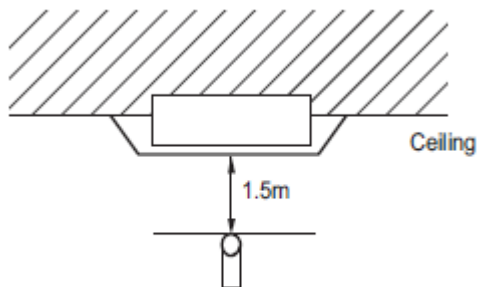
### 1.7.1 Pressure Levels\_Cooling



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 44 / 40 / 38

**Note**

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



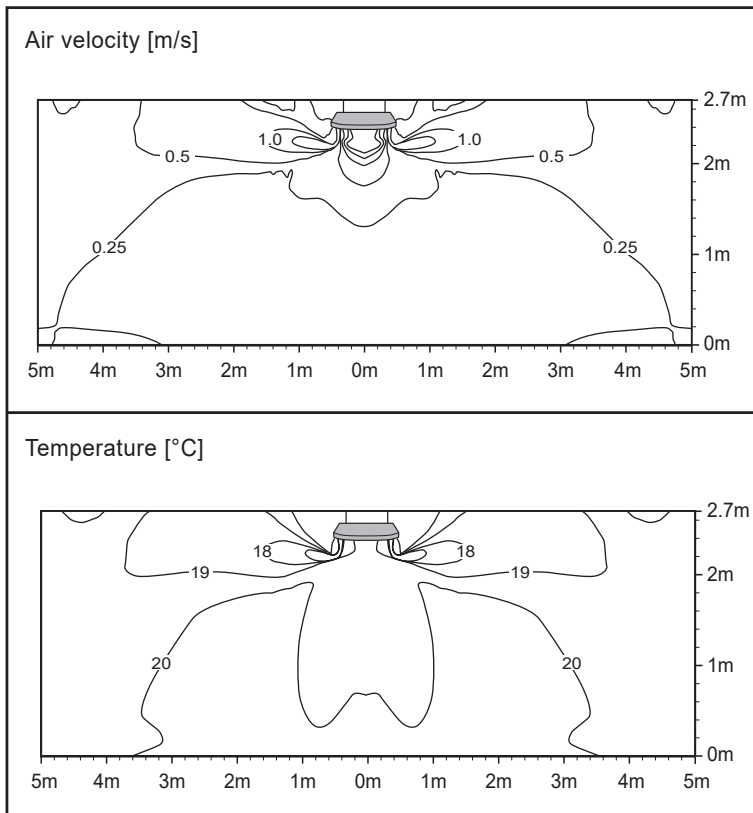
\* Measuring place : Anechoic chamber

## 1. ZTNQ36GYLA0

### 1.8 Air flow and temperature distributions

#### 1.8.1 Cooling operation

Vane : 1 step



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 2. ZTNQ48GYLA0

## 2.1 Specifications

Category		Unit	Value
Major	Minor		
Classification	Chassis	-	TY
Power Supply	#1	-	220-230-240, 1, 50/60
	#2	-	-
	Limit Range of Voltage	V	187~276
Power Input(Indoor)	Rated	W	125
Running Current	Maximum	A	1.2
Power Factor(Cooling/Heating)	Rated	-	0.99 / 0.99
Indoor Fan	Type	-	3D Turbo Fan
	Air Flow Rate((SH)/H/M/L)	m <sup>3</sup> /min	- / 29.0 / 25.0 / 21.0
	External Static Pressure_Standard mode	Pa	-
	External Static Pressure_Factory Set	Pa	-
Indoor Fan Motor	Type	-	BLDC
	Drive	-	Internal
	Output	W	136
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	(2 x 12 x 21) + ( 1 x 12 x 21)
	No.	-	2
	Face Area	m <sup>2</sup>	0.47
Dimensions	Net(W x H x D)	mm	1050 x 330 x 1050
	Shipping(W x H x D)	mm	1137 x 395 x 1132
Weight	Net	kg	30.0
	Shipping	kg	38.6
Exterior	Color	-	White
	RAL (Classic)	-	-
Protection Device	Fuse	-	O
	Overload Protector for Fan Motor	-	O
Refrigerant	Type	-	R32
	Control Type	-	-
Drain Pipe(Natural Drainage)	O.D / I.D	mm(inch)	-
Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	Ø32(1-1/4)/ Ø25(31/32)
Pipe Connecting Socket	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Sound Pressure Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	- / 47 / 44 / 40
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level(Indoor Unit)	Cooling ((SH)/H/M/L)	dB(A)	-
Measurement Standard (Power Level)	-	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> x cores	0.75 x 4C
Power Supply Type to Indoor	-	-	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA / Max)	A	1.2
Decoration Panel	Model Name	-	-
	Net Dimensions(W x H x D)	mm	-
	Shipping Dimensions(W x H x D)	mm	-
	Net Weight	kg	-
	Shipping Weight	kg	-

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code.



## 2. ZTNQ48GYLA0

---

And "Electric characteristics" should be considered for electrical work and design.

- Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard.  
Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

**2. ZTNQ48GYLA0****2.2 List of Functions**

Category	Functions	Value
Air Flow	Air Supply Outlet	Round
	Airflow Direction Control (left & right)	X
	Airflow Direction Control (up & down)	Auto
	Auto Swing (left & right)	X
	Auto Swing (up & down)	O
	Airflow Steps (fan/cool/heat)	4 / 5 / -
	Fan Speed Auto*	Advanced
	Power Cool/Heat	O / X
	Swirl Wind*	O
	Refresh Mode**	X
	Smart Mode**	X
	Indirect Wind*	O
	Direct Wind*	O
	Dry Operation	O
Air Purification	Air Purify	X
	Ionizer	X
	UV-C	X
	Allergy Filter	-
	Pre-Filter	O
	PM1.0 Filter	X
Reliability	Hot Start	X
	Self Diagnosis	O
Convenience	Auto Mode	X
	Auto Dry Operation	O
	Auto Restart	O
	Child Lock*	O
	Forced Operation	O
	Group Control*	O
	Sleep Timer	O
	Turn On/Off Reservation	O
	Schedule*	O
	Two Thermistor Control*	O
	External On/Off	O
Installation	Drain Pump	O
	High Ceiling Operation*	O
Special Functions	Wi-Fi Control	Accessory
	Comfort Cooling (Humidity Control)**	O
	Auto Elevation Grille	X
	Human Detection Function**	X
	Floor Detection Function**	X

**Note**

- O : Applied, X : Not Applied, - : Unconfirmed or irrelevant
- Embedded : A kit is provided by default for using this function when the product is manufactured.
- Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
- Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- 'Auto Mode' varies depending on the outdoor unit type.
  - Auto Change Over(Single Heat Pump Outdoor Unit)
  - Auto Mode Select(Multi Heat Pump Outdoor Unit)
  - Auto Intensity Control(Cooling Only Outdoor Unit)

## 2. ZTNQ48GYLA0

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- \* : These functions need to connect the wired remote controller.
- \*\* : This functions need to connect to the Standard III wired remote controller.

## 2. ZTNQ48GYLA0

## 2.3 Accessory Compatibility List

Category	Accessory Name	Model Name	Description	Value
Remote Controller	Wired - Premium	PREMTA000	-	O
		PREMTA000A	-	O
		PREMTA000B	-	O
	Wired - RS3 (Standard III)	PREMTB100	White	O
		PREMTBB10	Black	O
	Wired - RS2 (Standard II)	PREMTB001	White	O
		PREMTBB01	Black	O
	Wired - Simple	PQRCVCL0QW	White	O
		PQRCVCL0Q	Black	O
	Wired - Simple for hotel	PQRCHCA0QW	White	O
		PQRCHCA0Q	Black	O
	Wireless	PQWRQC0FDB	For Cooling only	O
		PQWRHQ0FDB	For Heat pump	X
		PWLSSB21C	For Cooling only	O
PWLSSB21H		For Heat pump	X	
Dry Contact	Simple	PDRYCB000	1 input port, AC 220 - 240V	O
		PDRYCB100	1 input port, AC 24V	O
	Communication	PDRYCB400	2 input port	O
		PDRYCB300	8 input port, For 3rd party Thermostat	O
		PDRYCB320	8 input port, For 3rd Party Thermostat (Analog Input)	O
PDRYCB500	For 3rd Party Controller(Modbus RTU)	O		
Integration Device	Remote Temperature sensor	PQRSTA0	-	O
	Group Control wire	PZCWRCG3	Cable Assembly for group control (Y-type cable : 0.25m, cable : 9.6m)	O
ETC	Extension wire	PZCWRC1	Extension wire for IDU-wired remote controller (9.6m)	O
	2-Remo Control wire	PZCWRC2	-	O
	Wi-Fi Modem	PWFMD200	-	O
	Wi-Fi Extension cable	PWYREW000	USB Extension cable : 10 m	O
	Independent Power Module	PRIP0	For Multi V Indoor Unit	X
	Multi-tenant Power module	PINPMB001	For Multi V Indoor Unit	X
	Refrigerant Leakage Detector	PRLDNVS0	For Multi V Indoor Unit (R410A)	X
	Human Detection Sensor	PTVSMA0	For Cassette 4-way	X
		PTVSAA0	For Cassette Dual Vane 4-way	X
	Floor Detection Sensor	PTFSMA0	For Cassette Dual Vane 4-way	X
	Auto Elevation Grille	PTEGM0	For Cassette 4-way, Dual Vane 4-way	X
	Air Purification Kit	PTAHTP0	For Cassette 1-way	X
		PTAHMP0	For Cassette 4-way	X
		PTAHYP0	For Cassette Round	X
	EEV Kit	PRGK024A0	For Multi V Indoor Unit	X
	Auxiliary Heater Relay Kit	PRARS1	For Wall Mounted / Art Cool Indoor Units	X
		PRARH1	For Cassette / Duct Indoor Units	X
	Ventilation Kit	PTVK430	For TR/TQ/TP/TN/TM Chassis	X
		PTVK410 / PTVK420	For TP/TN/TM Chassis	X
	Cassette Cover	PTDCQ	For TR/TQ Chassis	X
		PTDCM	For TP/TN/TM Chassis	X
PTDCA		For TM-A/TP-B Chassis	X	

**Note**

- O: Possible, X: Impossible, -: Unconfirmed or irrelevant.
- \*: Some advanced functions controlled by individual controller cannot be operated.
- Air Purification Kit and Auto Elevation Grille are not applicable at the same time.
- If there is a difference in development time between the product and the remote controller, some functions cannot be operated.
- If you need more detail, please refer to the Control(BECON) PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON)).

2. ZTNQ48GYLA0

2.4 Dimensions

2.4.1 Product

[Unit: mm]  
 Chassis code : TY  
 DWG No. : TBA36428201\_rev01

3D View

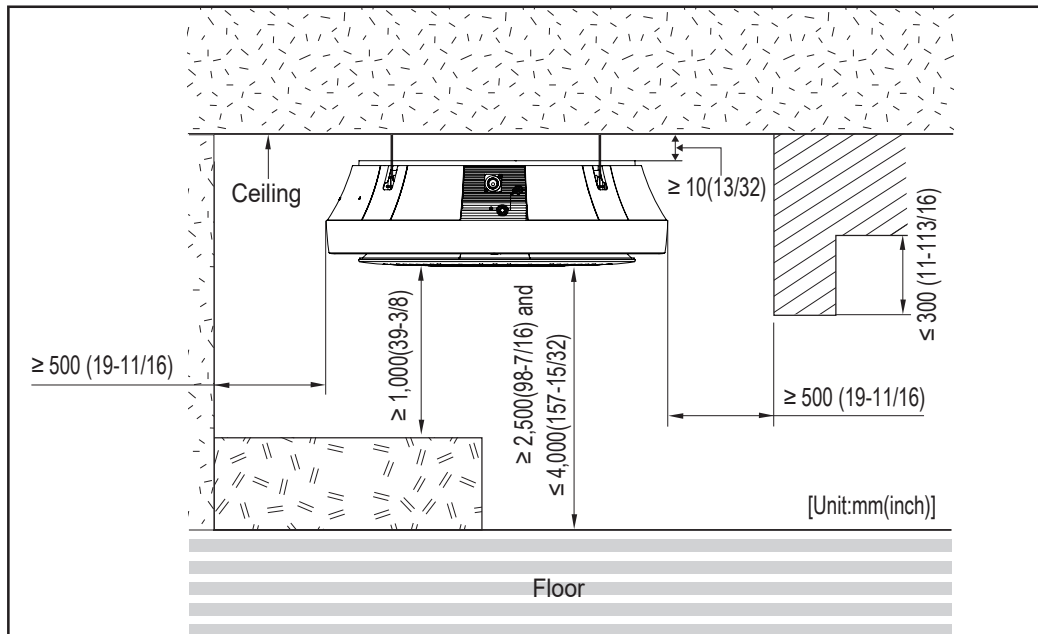
No.	Part Name	Description
9	Wired remote controller wire routing hole	-
8	Power and communication cable routing hole	-
7	Flexible Drain Hose	Supplied with product
6	Decor Panel Assembly	-
5	Air Outlet	-
4	Air Inlet	-
3	Drain Pipe Connection	-
2	Liquid Pipe Connection	-
1	Gas Pipe Connection	-
	No.	Part Name
		Description

**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- Drain pipe and liquid pipe should be supplied from the site. The site must comply with the local regulations or international codes.

## 2. ZTNQ48GYLA0

### 2.4.2 Install Space



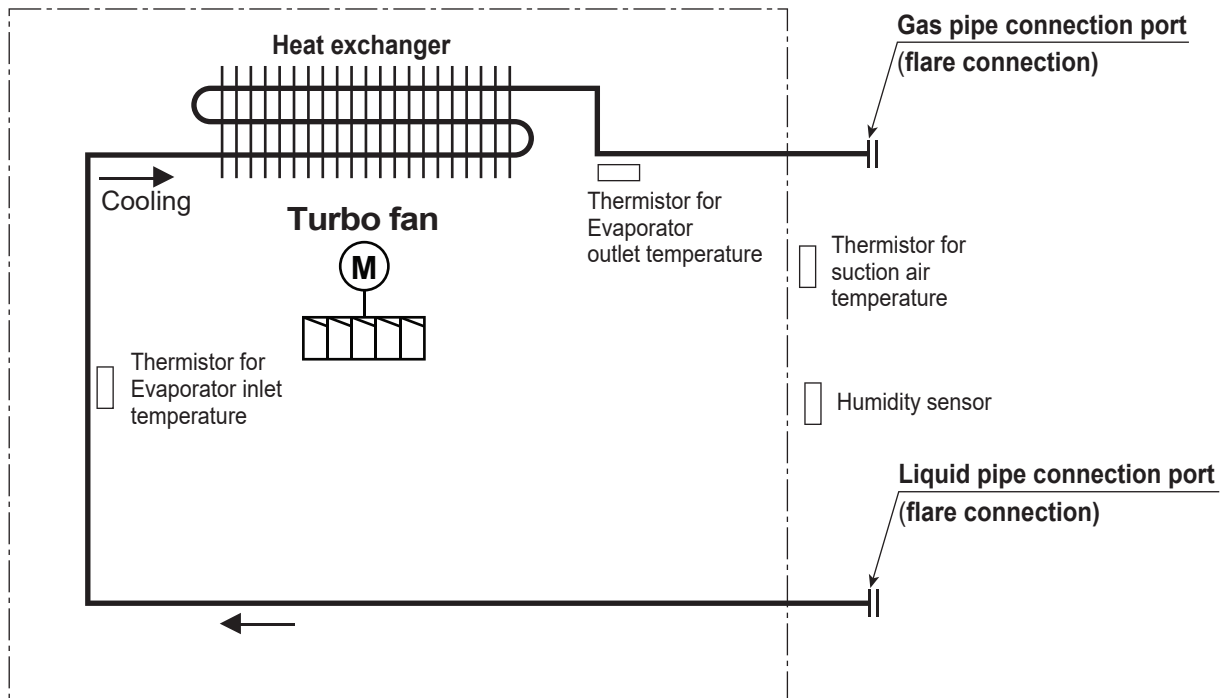
#### Note

- Places where products are installed should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- According to type of indoor unit, external appearance or installed structure could be different.
- According to product type, model line up, sales region..etc, applicability of each chassis could be different.
- This product is based on exposure installation. Do not install it in a landfill site such as ceiling tax.

## 2. ZTNQ48GYLA0

### 2.5 Piping Diagrams

#### 2.5.1 Normal



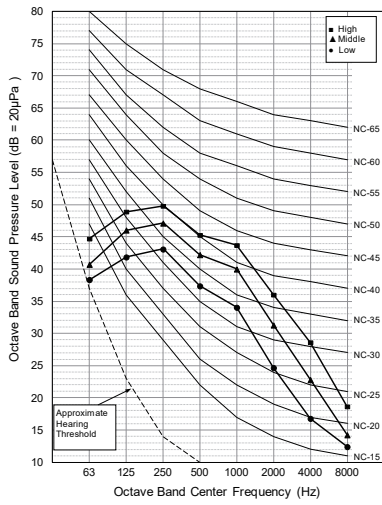




2. ZTNQ48GYLA0

2.7 Sound Levels

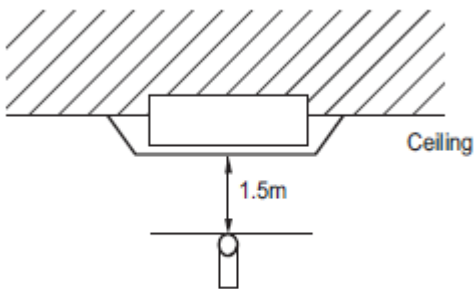
2.7.1 Pressure Levels\_Cooling



Sound level [ dB(A), @ Standard condition ]	
Cooling ((SH)/H/M/L)	- / 47 / 44 / 40

Note

- Sound measured at some distance away from the center of the unit.
- Data is valid at free field condition.
- Reference acoustic pressure 0dB = 20µPa.
- Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- Sound levels can be increased in accordance with installation and operating conditions.  
(Static pressure mode, used air guide, Room target temperature setting, etc)
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.



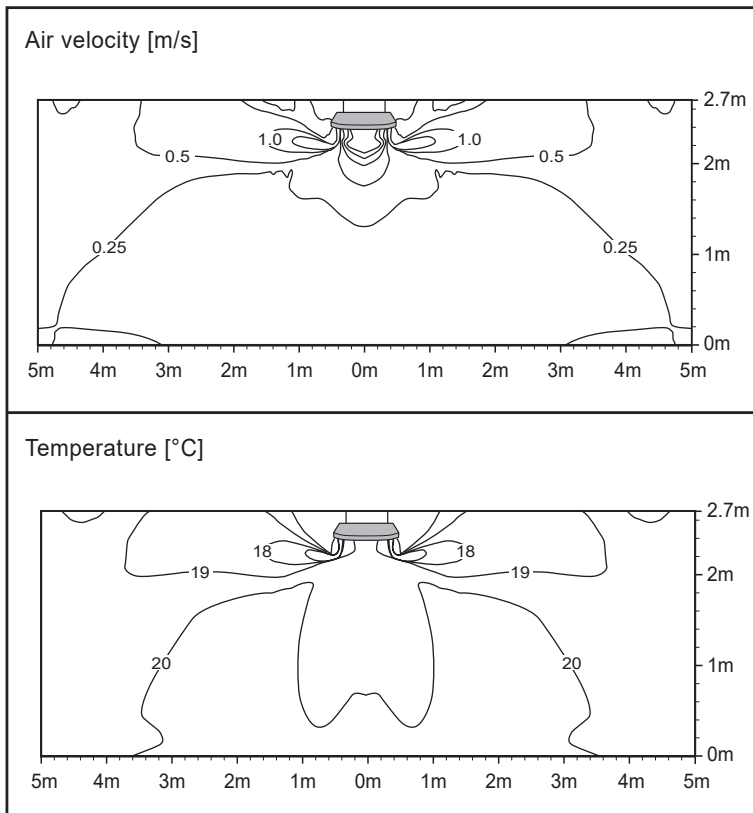
\* Measuring place : Anechoic chamber

## 2. ZTNQ48GYLA0

### 2.8 Air flow and temperature distributions

#### 2.8.1 Cooling operation

Vane : 1 step



#### Note

- These figures are accordance with normal certain condition and environment.  
(Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## Accessory

**UVnano Filter Box**  
**Air Purification Kit**

## 1. PBM13M1UA0

## 1.1 Specifications

Category		Unit	Value
Major	Minor		
Model Name	Factory model	-	PBM13M1UA0
	Factory suffix	-	ENCXGLO
	Buyer model	-	PBM13M1UA0
	Buyer suffix	-	ENCXGLO
Applied Chassis	-	-	M1
Weight	Net	kg	9.1
	Shipping	kg	11.4
Dimensions	Net(W x H x D)	mm	900 x 270 x 280
	Shipping(W x H x D)	mm	1048 x 340 x 377
Filter (1)	Size(W x H x D)	mm	600 x 251 x 50.8
	Quantity	EA	1
	Grade 1	-	ePM1 65%
	Grade 2	-	MERV 13
Filter (2)	Size(W x H x D)	mm	250 x 251 x 50.8
	Quantity	EA	1
	Grade 1	-	ePM1 65%
	Grade 2	-	MERV 13
Pre-Filter (1)	Size(W x H x D)	mm	596 x 247 x 4
	Quantity	EA	1
	Mesh	-	34 x 39
	Color	-	BLACK
Pre-Filter (2)	Size(W x H x D)	mm	247 x 247 x 4
	Quantity	EA	1
	Mesh	-	34 x 39
	Color	-	BLACK
UVnano	LED Quantity	EA	8
	Input	EA	DC 12V
	Wavelength	nm	275

**Note**

- Grade 1 : ISO EN 16890
- Grade 2 : ASHRAE 52.2

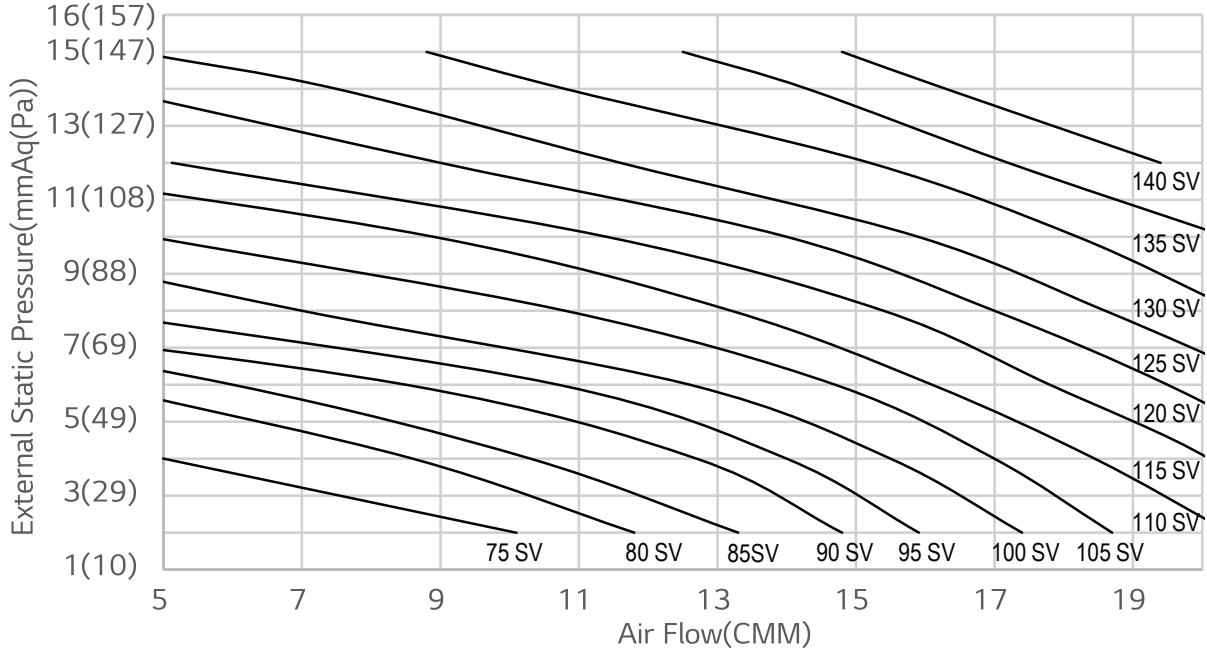


# 1. PBM13M1UA0

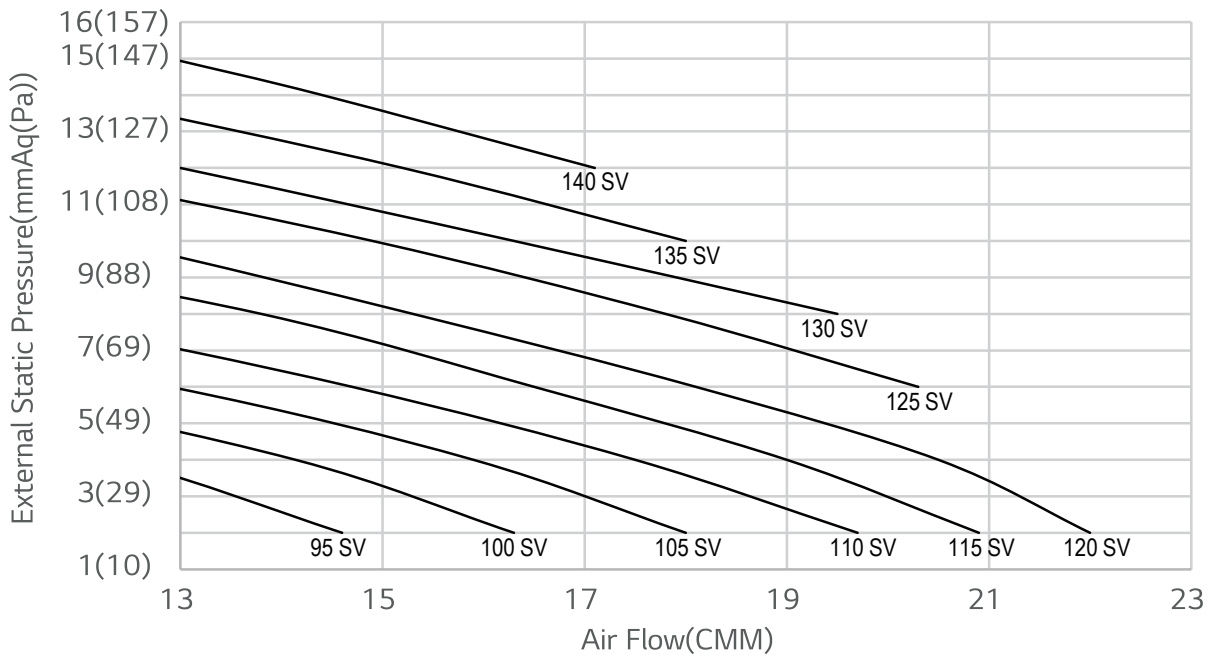
## 1.3 Fan Performance data

### 1.3.1 PQ Curve

#### ◆ 18~24 kBtu/h



#### ◆ 30 kBtu/h



**Note**

- SV : Setting Value
- The available range of External Static Pressure and Setting Value depends on the applied model. Please check the specifications of the applied model.
- Auto E.S.P Setting is also available with UVnano Filter Box.

2. PBM13M2UA0

2.1 Specifications

Category		Unit	Value
Major	Minor		
Model Name	Factory model	-	PBM13M2UA0
	Factory suffix	-	ENCXGLO
	Buyer model	-	PBM13M2UA0
	Buyer suffix	-	ENCXGLO
Applied Chassis	-	-	M2
Weight	Net	kg	11.6
	Shipping	kg	14.7
Dimensions	Net(W x H x D)	mm	1250 x 270 x 280
	Shipping(W x H x D)	mm	1440 x 340 x 377
Filter (1)	Size(W x H x D)	mm	600 x 251 x 50.8
	Quantity	EA	2
	Grade 1	-	ePM1 65%
	Grade 2	-	MERV 13
Filter (2)	Size(W x H x D)	mm	-
	Quantity	EA	-
	Grade 1	-	-
	Grade 2	-	-
Pre-Filter (1)	Size(W x H x D)	mm	596 x 247 x 4
	Quantity	EA	2
	Mesh	-	34 x 39
	Color	-	BLACK
Pre-Filter (2)	Size(W x H x D)	mm	-
	Quantity	EA	-
	Mesh	-	-
	Color	-	-
UVnano	LED Quantity	EA	8
	Input	EA	DC 12V
	Wavelength	nm	275

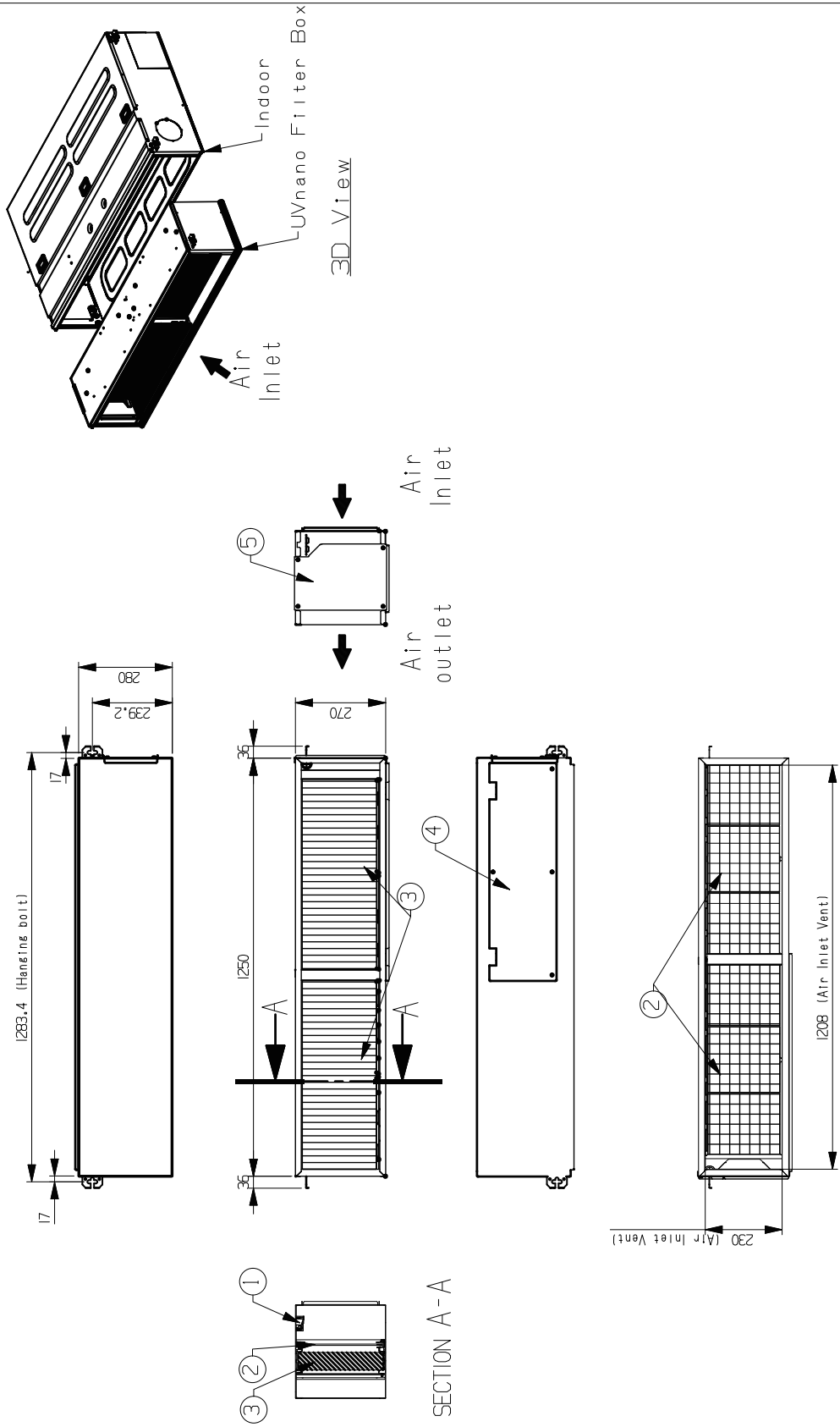
**Note**

- Grade 1 : ISO EN 16890
- Grade 2 : ASHRAE 52.2

2. PBM13M2UA0

2.2 Dimensions

[Unit : mm]  
DWG No. : TBB36536701\_Rev.01



Symbols		Note	
↑	View Direction	1.	Unit should be installed in compliance with the installation manual in the product box.
□	Datum line	2.	Unit should be grounded in accordance with the local regulations or applicable national codes.
▲	Refrigerant/Drain Piping Direction	3.	All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
5	Side Panel	For Service	
4	Lower Panel	For Service	
3	Filter (2EA)	Replacement (MERV13, ePM1 65%)	
2	Pre-Filter (2EA)	Reusable	
1	UV Module	-	
No.	Part Name	Description	

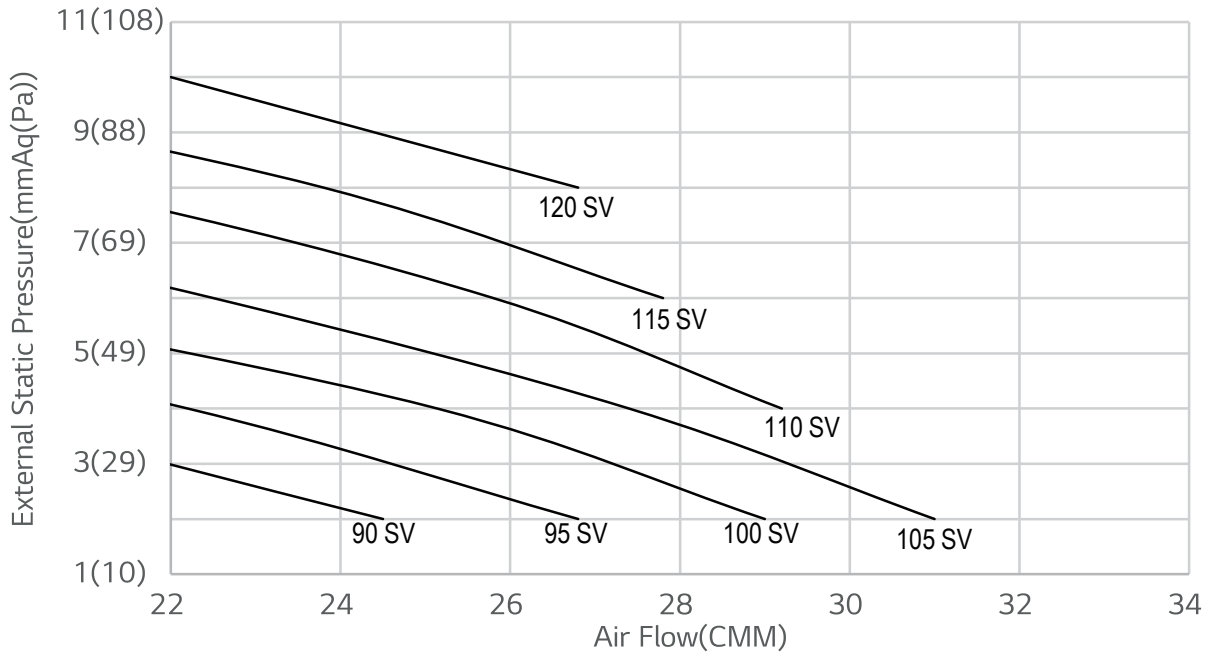


2. PBM13M2UA0

2.3 Fan Performance data

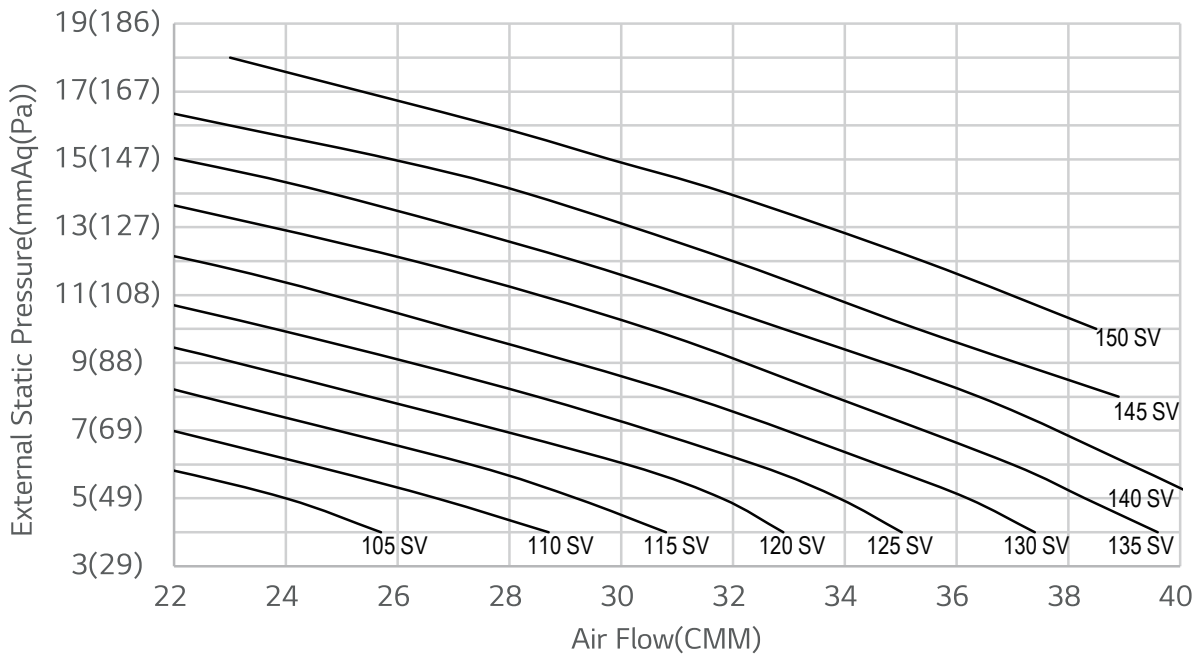
2.3.1 PQ Curve

◆ 30 kBtu/h



\* This Curve is for ABN\*30GM2\*\* only.

◆ 36 ~ 42 kBtu/h



Note

- SV : Setting Value
- The available range of External Static Pressure and Setting Value depends on the applied model. Please check the specifications of the applied model.
- Auto E.S.P Setting is also available with UVnano Filter Box.

### 3. PBM13M3UA0

#### 3.1 Specifications

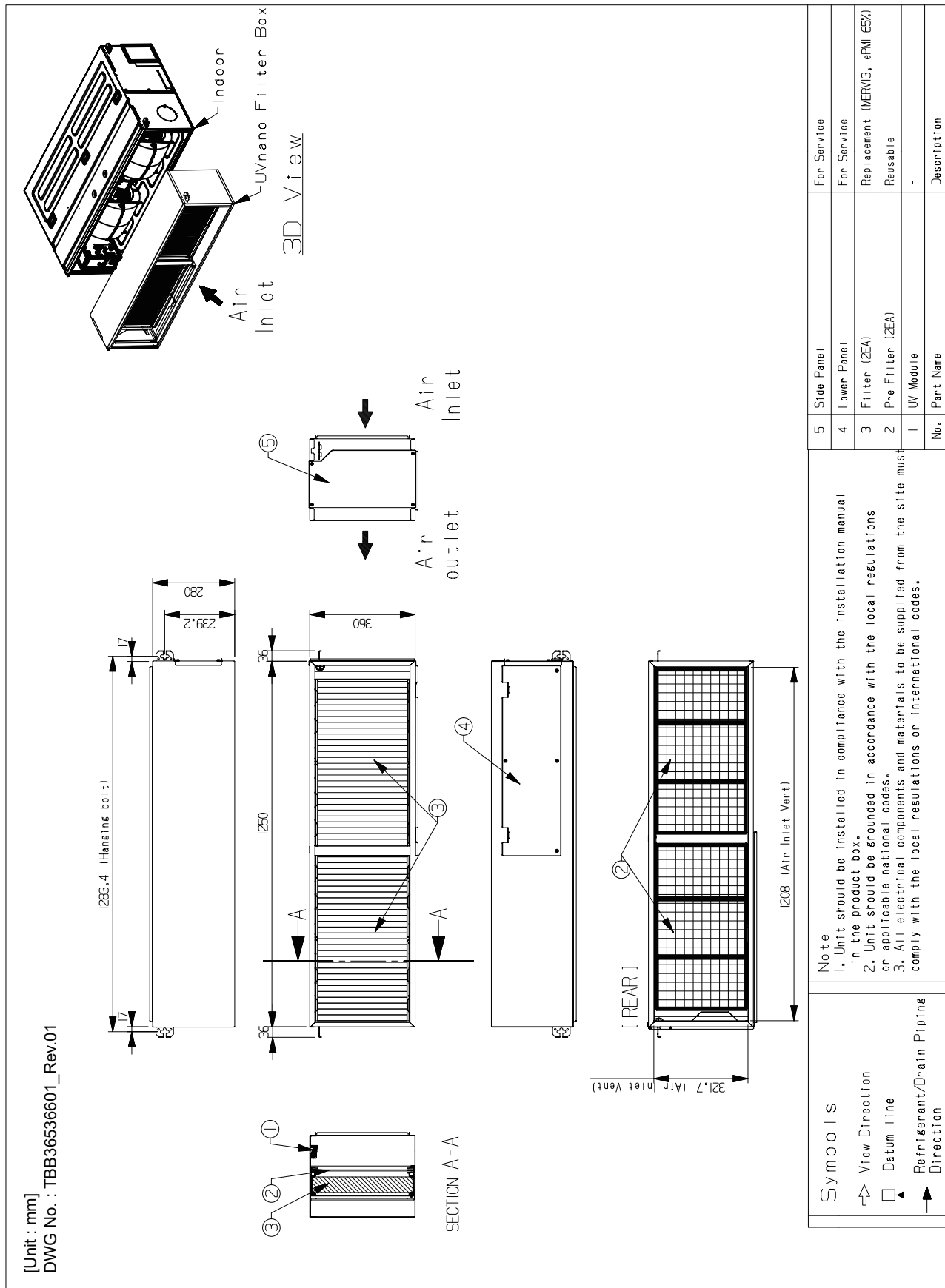
Category		Unit	Value
Major	Minor		
Model Name	Factory model	-	PBM13M3UA0
	Factory suffix	-	ENCXGLO
	Buyer model	-	PBM13M3UA0
	Buyer suffix	-	ENCXGLO
Applied Chassis	-	-	M3
Weight	Net	kg	12.7
	Shipping	kg	16.2
Dimensions	Net(W x H x D)	mm	1250 x 360 x 280
	Shipping(W x H x D)	mm	1440 x 430 x 377
Filter (1)	Size(W x H x D)	mm	600 x 341 x 50.8
	Quantity	EA	2
	Grade 1	-	ePM1 65%
	Grade 2	-	MERV 13
Filter (2)	Size(W x H x D)	mm	-
	Quantity	EA	-
	Grade 1	-	-
	Grade 2	-	-
Pre-Filter (1)	Size(W x H x D)	mm	596 x 377 x 4
	Quantity	EA	2
	Mesh	-	34 x 39
	Color	-	BLACK
Pre-Filter (2)	Size(W x H x D)	mm	-
	Quantity	EA	-
	Mesh	-	-
	Color	-	-
UVnano	LED Quantity	EA	8
	Input	EA	DC 12V
	Wavelength	nm	275

**Note**

- Grade 1 : ISO EN 16890
- Grade 2 : ASHRAE 52.2

3. PBM13M3UA0

3.2 Dimensions

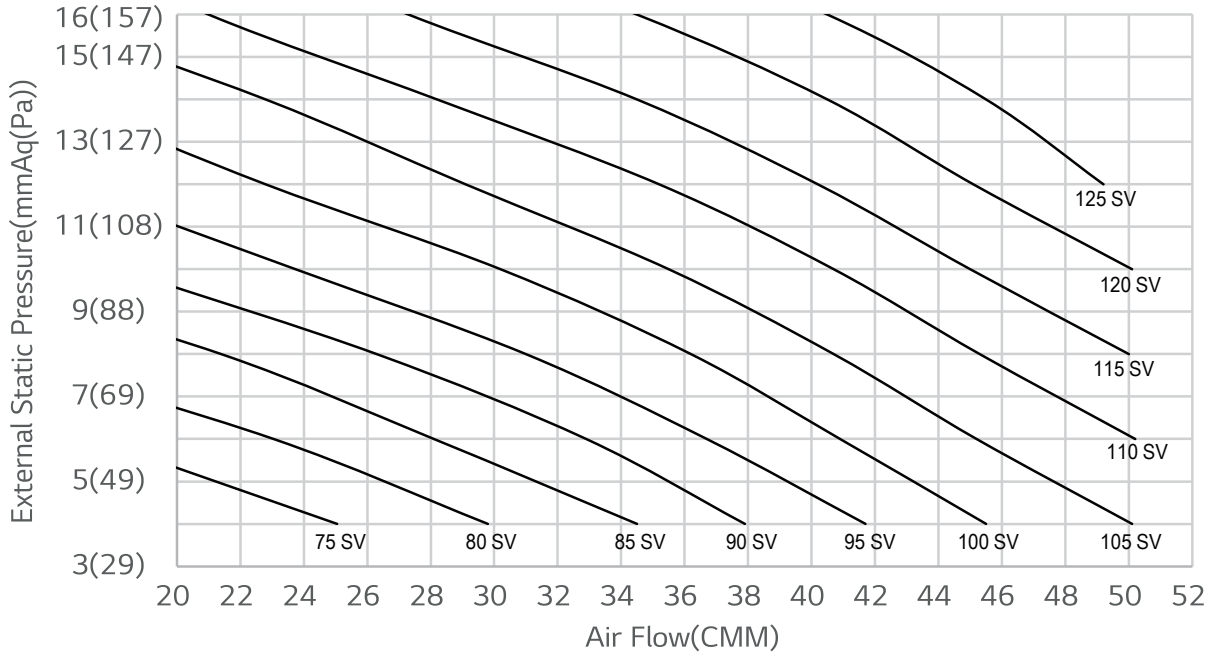


### 3. PBM13M3UA0

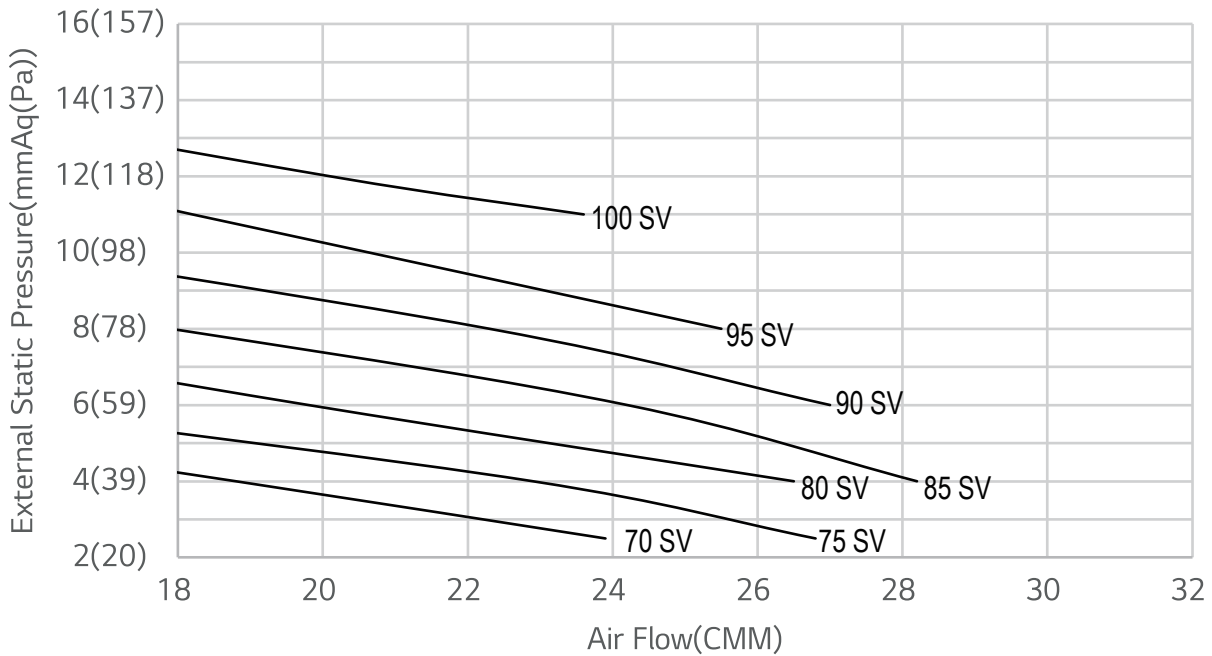
#### 3.3 Fan Performance data

##### 3.3.1 PQ Curve

###### ◆ 36~60 kBTu/h



###### ◆ 36 kBTu/h



\* This Curve is for ABN\*36GM3\*\* only.

**Note**

- SV : Setting Value
- The available range of External Static Pressure and Setting Value depends on the applied model. Please check the specifications of the applied model.
- Auto E.S.P Setting is also available with UVnano Filter Box.

## 1. PTAHMP0

### 1.1 Specifications

Category		Unit	Value
Major	Minor		
Air Purification Kit	Applied Chassis	-	TP/TN/TM/TP-B/TM-A
	Applied Panel	-	PT-MPGW0 (U-style) / PT-AFGW0 (Dual Vane)
PM 1.0 Sensor	Size(W x H x D)	mm	59 x 45 x 22
	Supply Voltage	V	5
	Measure	-	PM1.0 / PM2.5 / PM10
HVPS	Size(W x H x D)	mm	99 X 50 X 30
	Input	-	DC 12V
	Output(Electrification / Dust Collection)	-	-7.7kV / -5.2kV
PM 1.0 Filter	Size(W x H x D)	mm	500 x 38 x 395
	Weight	g	2,090
Deodorization Filter	Material	-	Pulp + Carbon (Corrugate)
	Size(W x H x D)	mm	478 x 14 x 138
	Weight	g	180
Ionizer	Size(W x H x D)	mm	71 x 19 x 30
	Input	-	DC 12V
	Output	-	-3.2kV
	Amount of Ion Emission	EA / cc	3,000,000

## 2. PTAHTP0

### 2.1 Specifications

Category		Unit	Value
Major	Minor		
Air Purification Kit	Applied Chassis	-	TU / TT
	Applied Panel	-	PT-UPHG0 / PT-TPHG0
PM 1.0 Sensor	Size(W x H x D)	mm	59 x 45 x 22
	Supply Voltage	V	5
	Measure	-	PM1.0 / PM2.5 / PM10
HVPS	Size(W x H x D)	mm	99 X 50 X 30
	Input	-	DC 12V
	Output(Electrification / Dust Collection)	-	-7.7kV / -5.2kV
PM 1.0 Filter	Size(W x H x D)	mm	524 x 18 x 141
	Weight	g	430
Deodorization Filter	Material	-	Pulp + Carbon (Corrugate)
	Size(W x H x D)	mm	301 x 11 x 100
	Weight	g	40
Ionizer	Size(W x H x D)	mm	71 x 19 x 30
	Input	-	DC 12V
	Output	-	-3.2kV
	Amount of Ion Emission	EA / cc	3,000,000

## 3. PTAHYP0

## 3.1 Specifications

Category		Unit	Value
Major	Minor		
Air Purification Kit	Applied Chassis	-	TY
	Applied Panel	-	-
PM 1.0 Sensor	Size(W x H x D)	mm	59 x 45 x 16.6
	Supply Voltage	V	5
	Measure	-	PM1.0 / PM2.5 / PM10
HVPS	Size(W x H x D)	mm	99 x 50 x 30
	Input	-	DC 12V
	Output(Electrification / Dust Collection)	-	-7.7kV / -5.7kV
PM 1.0 Filter	Size(W x H x D)	mm	500 x 38 x 395
	Weight	g	2,090
Deodorization Filter	Material	-	Pulp + Carbon(corrugate)
	Size(W x H x D)	mm	478 x 14 x 138
	Weight	g	180
Ionizer	Size(W x H x D)	mm	-
	Input	-	-
	Output	-	-
	Amount of Ion Emission	EA / cc	-

Installation

**Installation of Indoor Units**



## 1. Selection of the best Location

---

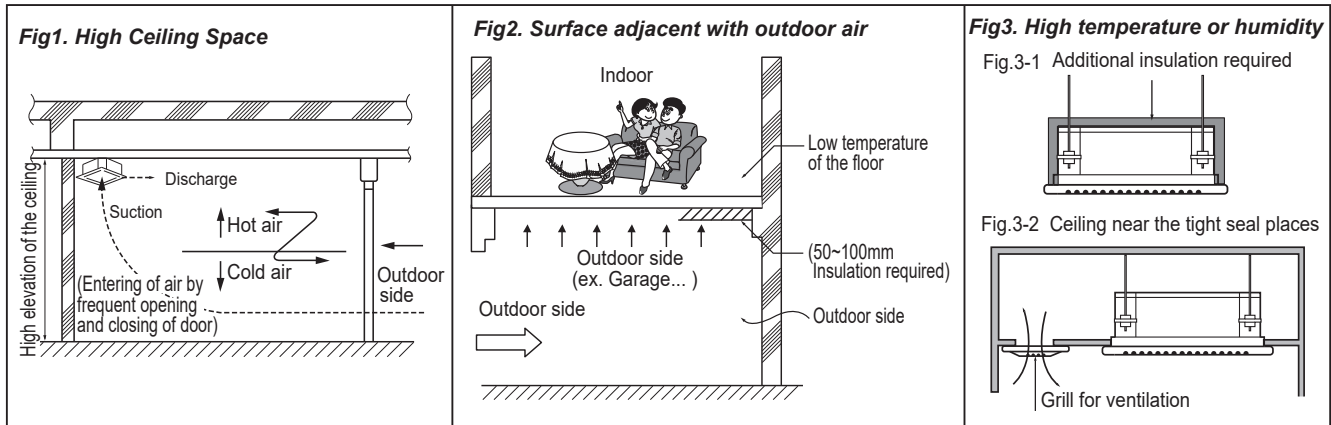
When selecting a location the product is installed, it is recommended to consider the following:

- The unit must be installed indoor area.
- Do not install the unit near the door.
- There should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- The place where the unit is leveled.
- The place shall allow easy water drainage.
- The place where bear a load exceeding four times of weight of the unit.
- The mounting ceiling or wall should be solid enough to protect it from the vibration.
- The place where the unit is not affected by an electrical noise.
- The place where noise prevention is taken into consideration.
- The place where the maintenance space for product is sufficient.
- The servicing inspection hole of the ceiling should be larger than the indoor unit, and that location should be approved by the customer.
- There should not be any heat source or steam near the unit. Avoid the following installation location.
  - 1) Such places as restaurants and kitchen where considerable amount of oil steam and flour is generated. These may cause heat exchange efficiency reduction, or water drops, drain pump mal-function. In these cases, take the following actions;
    - Make sure that ventilation fan is enough to cover all noxious gases from this place.
    - Ensure enough distance from the cooking room to install the unit in such a place where it may not suck oily steam.
  - 2) Avoid installing the unit in such places where cooking oil or iron powder is generated.
  - 3) Avoid places where inflammable gas is generated.
  - 4) Avoid places where noxious gas is generated.
  - 5) Avoid places near high frequency generators.

### < ! > CAUTIONS

- If the temperature rise above 30°C or the humidity rise above RH 80%, additional insulation working is needed to the unit body for protection of dew formation.
  - Use the glass wool material or polyethylene foam and it make sure to be thick of 10mm at least.

## 2. Precautions regarding cassette indoor unit installation



### ■ In case of High Ceiling space installation [Fig.1]

In general commercial places and offices though the height of the ceiling is 2.7m, and the ceiling height could be over 3 m. In such cases because of the temperature difference with the floor the heating effect can fall down.

#### • Countermeasure method

- Air conditioner should be able to operate in high ceiling operation mode.
- Plan to install the circulator.
- The air discharge port should be made to give more airflow to the down floor directions.
- The gate or exit of the building is protected by dual door system to minimize inflow of outdoor air.

### ■ In case the floor or surfaces is contact with the outdoor air directly [Fig.2]

If the floor of air conditioned room contact with the outside air, like the store room or garage, the floor temperature will be decreased and users can have a cold feeling in the feet.

In such places where the feet comes in direct contact with floors will give a cold feeling to the foot.

#### • Countermeasure method

- Use the carpet on the floor.  
(compared to the tiles the carpet over it will have a 3 degree rise in temperature)
- Insulating the floor.
- Floor heating.

#### <!/ CAUTIONS

In case there is a cold air intake, the duct surface may have some dew drops.

So a insulation on the duct is a must.(Insulation material: a glass wool of thickness 25 mm will be appropriate.)

### ■ In case of installation where high temperature or humidity [Fig.3]

- In case of places having the temperature and humidity of the surrounding water sources(sea, river etc.)
- In case the steam is generated between the false ceiling and the ceiling slab due to some nearby by steam source.
- In case of temperature of 30 degree and humidity above 80%, the units body as well as the piping insulation should be strengthened. Refer to the psychrometric chart.

#### • Countermeasure method

- Indoor unit: Insulate the unit body with some insulation like glass wool at least 10 mm in thickness.
- Refrigerant piping: Increase the piping insulation thickness with thickness above 20 mm.
- Others: Inside the ceiling near the air tight seal places. (To escape of the humidity inside false ceiling)

### 3. Connecting pipes

---

#### ■ Refrigerant piping work

To detail information for connecting the refrigerant pipes, please refer to the installation manual included with product.

#### < ! > CAUTIONS

- When mechanical connectors are reused, indoors' sealing parts shall be renewed.
- When flared joints are reused, indoors' the flare part shall be re-fabricated.

#### ■ Piping insulation work

- Perform heat insulation work completely on both gas and the liquid pipe.

Because improper insulation will result condensate formation over pipe.

- Use the heat insulation material for the refrigerant piping which has an excellent heat resistance (over 120°C (248°F)).
- Precautions in high humidity circumstance
  - This air conditioner has been tested according to the "KS Conditions" and confirmed.
  - If it is operated for a long time in high humid atmosphere (dew point temperature: more than 23°C(73°F)), water drops are liable to fall. In this case, add heat insulation material according to the following procedure.
    - : Heat insulation material : Adiabatic glass wool with thickness of 10~20mm(13/32 ~13/16 inch).
    - : Stick glass wool on all air conditioners that are located in ceiling atmosphere.

#### < ! > CAUTIONS

- Make sure to insulate any field piping all the way to the piping connection inside the unit.  
Any exposed piping may cause condensation or burns if touched.

## 4. Electrical Wiring

---

### 4.1 General Instruction

For wiring work, it is recommended to consider the following:

- All field supplied parts and materials, electric works must conform to local codes. Use copper wire only.
- Follow the "**WIRING DIAGRAM**" attached to the unit body to wire the outdoor unit, indoor units and the remote controller.
- All wiring must be performed by an authorized electrician.
- A circuit breaker capable of shutting down the power supply to the entire system must be installed.

#### < ! > CAUTIONS

After the confirmation of the above conditions, prepare the wiring as follows:

- Never fail to have separate power specially for the air conditioner.
- Provide a circuit breaker switch between power source and the unit.
- Confirm the Specification of power source. Confirm that electrical capacity is sufficient.
- Be sure that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.
- Confirm that the cable thickness is as specified in the power sources specification.  
(Particularly note the relation between cable length and thickness.)
- Do not install the leakage breaker in a place which is wet or moist. Water or moist may cause short circuit.
- The following troubles would be caused by voltage drop-down.
  - Vibration of a magnetic switch, damage on the contact point there of, fuse breaking, disturbance to the normal function of a overload protection device.
  - Proper starting power is not given to the compressor.

### ■ Wiring Connections

- Connect the wires to the terminals on the control board individually according to the outdoor unit connection.
- Ensure that the color of the wires of outdoor unit and the terminal No. are the same as those of indoor unit respectively.
- In case of the system with multiple indoor units, mark each indoor unit as unit A, unit B, etc and be sure the terminal board wiring to the outdoor unit and indoor units are properly matched.

If wiring and piping between the outdoor unit and indoor unit are mismatched, the system may cause a malfunction.

#### < ! > CAUTIONS

- Make sure that the screws of the terminal are fixed tightly.
- The screw which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened.  
(If they are loose, it could give rise to burn-out of the wires.)
- Make sure to attach the sealing material or (field supplied) to hole of wiring to prevent the infiltration of foreign particle from outside. Otherwise a short-circuit may occur inside the electric parts box.
- When clamping the wires, be sure no pressure is applied to the wire connections by using the included clamping material to make appropriate clamps. Also, when wiring, make sure the cover on the electric parts box fits snugly by arranging the wires neatly and attaching the electric parts box cover firmly. When attaching the electric parts box cover, make sure no wires get caught in the edges. Pass wiring through the wiring through holes to prevent damage to them.
- Make sure the remote controller wiring, the wiring between the units, and other electrical wiring do not pass through the same locations outside of the unit, separating them properly, otherwise electrical noise (external static) could cause product malfunction.

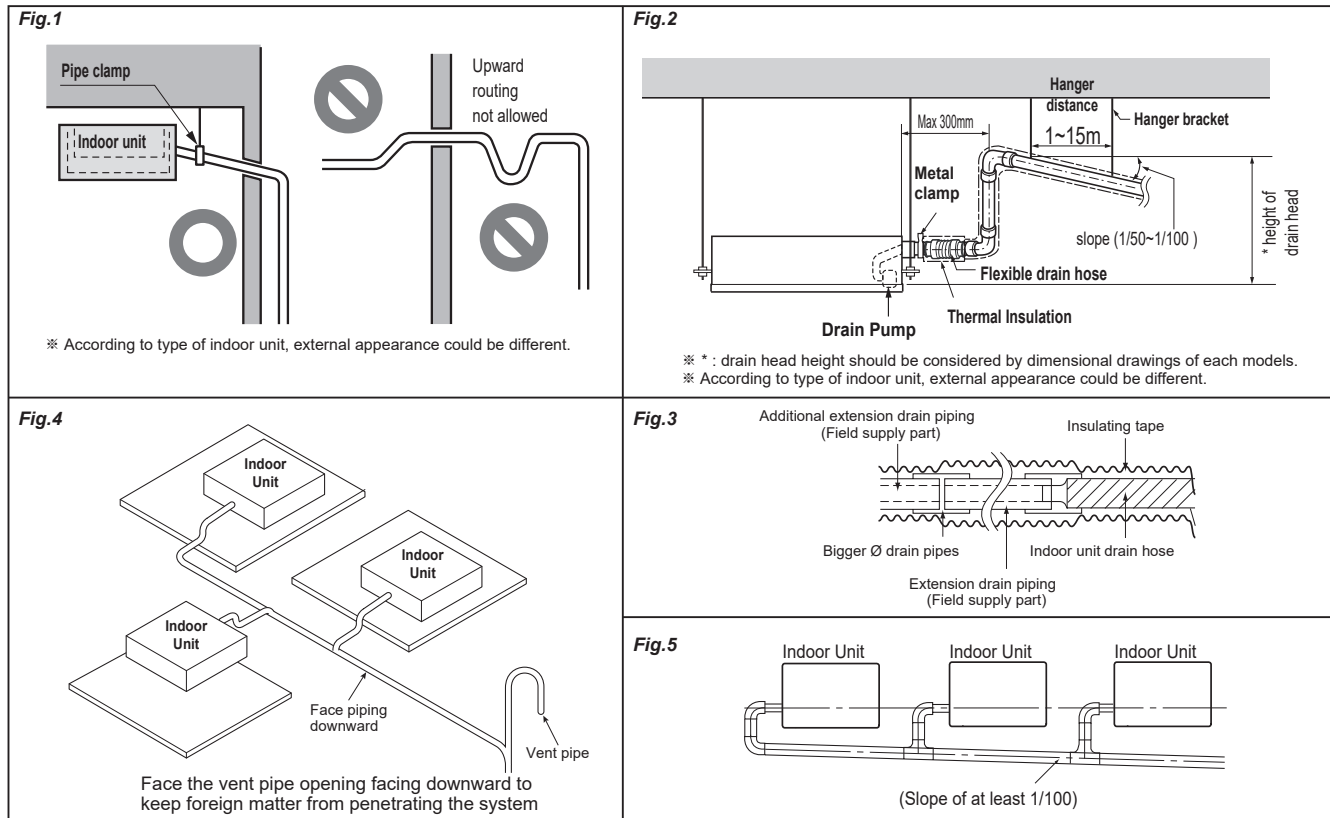
## 4. Electrical Wiring

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### 4.2 Installation of Wired remote controller(Optional)

- Since the room temperature sensor is in the remote controller, the remote controller box should be installed in a place away from direct sunlight, high humidity and direct supply of cold air to maintain proper space temperature.
- Install the remote controller about 5ft(1.5m) above the floor in an area with good air circulation at an average temperature.
- Do not install the remote controller where it can be affected by :
  - Drafts, or dead spots behind doors and in corners.
  - Hot or cold air from ducts.
  - Radiant heat from sun or appliances.
  - Concealed pipes and chimneys.
  - Uncontrolled areas such as an outside wall behind the remote controller.
  - This remote controller is equipped with a seven segment LED display. For proper display of the remote controller LED's, the remote controller should be installed properly.  
(The standard height is 1.2~1.5 m from floor level.)

5. Drain pipe connection



- The drain pipe should be at least equal in size to drain conduit of the indoor unit.
- The drain pipe is thermally insulated to prevent the formation of condensation inside the pipe.
- The drain up mechanism should be fitted before the indoor unit is installed and when the electricity has been connected a little of water should be added to the drain pan and the drain pump to check and see if it is functioning correctly.
- All connections should be secure. (Special care is needed with PVC pipe)

■ Dimension of drain pipe connection [Fig. 1, Fig. 2]

- Drain piping must have down-slope (1/50 to 1/100). Be sure not to provide up-and-down slope to prevent reversal flow.
- During drain piping connection, be careful not to exert force on the drain port on the indoor unit.
- The outside diameter of the drain connection on the indoor unit and drain piping fittings should be referenced from 'Specifications' of each models.
  - Piping material: Use the Polyvinyl chloride pipe. VP 20 or VP 25 pipe fittings.
- Be sure to install heat insulation on the drain piping.
  - Heat insulation material: Polyethylene foam with thickness more than 8 mm (5/16 inch).
- Possible drain head height is specified to range of 700 ~ 800 mm (27-6/19 ~ 31-1/2 inch). So the drain head should be installed below that (Refer to Dimensional Drawings of each).

■ Connection of an auxiliary(flexible) drain hose [Fig. 3]

- To connect drain pipe to the drain socket on the indoor unit, an auxiliary flexible drain hose should be used. Auxiliary flexible drain hose allows that the drain pipe can be connected to the socket without breaking by excessive strain.

< ! > CAUTIONS

- The supplied flexible drain hose should not be curved, neither screwed. The curved or screwed hose may cause a leakage of water.
- It is need to insulate the auxiliary drain hose with thermal insulation material.
  - When extending the drain hose, use a commercially available drain extension hose, and be sure to insulate the extended section of the drain hose which is indoors.
  - Make sure the diameter of the extension drain piping is the same as the indoor unit drain hose size or bigger.

## 5. Drain pipe connection

---

### ■ Ground drain piping [Fig.4, Fig.5]

- Select diameter of drain piping which adapts to the capacity of the unit connected. The pipe down from the combination should be as large as possible.
- The pipe work should be kept as short as possible and the number of indoor units per group kept to a minimum.
- Face the vent pipe opening facing downward to keep foreign matter from penetrating the system.



---

Air Solution

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Yeongdeungpo-gu, Seoul, Korea  
(07336)

<http://partner.lge.com>

<http://sedc.lge.com>

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The air conditioners manufactured by LG have received ISO9001 certificate for quality assurance and ISO14001 certificate for environmental management system.  
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