

SINGLE

Cooling Only

Ceiling Mounted Cassette 4-way

- 1.List of Functions**
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- 3.Dimensions**
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- 7.Sound levels**
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1. List of functions

◆ List of function

Category	Functions	ATNQ30GPLA4
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 / -
	Chaos wind(auto wind)	X
	Jet cool/heat	O / X
	Swirl wind*	O
Air purifying	Comfort Air	O
	Triple filter	X
	Air purifier (Plasma)	PTPKQ0
	Air purifier (Ionizer)	X
	Allergy Safe filter	X
Installation	Long-life prefilter (washable / anti-fungus)	O
	Drain pump	O
	E.S.P. control*	X
	Electric heater	X
Reliability	High ceiling operation*	O
	Self diagnosis	O
Convenience	Hot start	X
	Auto cleaning	X
	Auto changeover	X
	Auto operation(artificial intelligence)	O
	Auto Restart	O
	Child lock*	O
	Forced operation	X
	Group control*	O
	Sleep mode	O
	Timer(on/off)	O
	Timer(weekly)*	O
	Two thermistor control*	O
Special Functions	Auto Elevation Grille*	PTEGM0
	Wi-Fi	O (Accessory)
	Humidity Control	O
	Human Detecting Control	X
Wireless remote controller Supply (included with product)	VAV (Variable Air Volume) Control	X
		O
		O
Wired remote controller Supply (included with product)		X
Network Solution(LGAP)		O

Note

- O : Applied, X : Not applied
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 ducted type indoor units using the wireless remote controller, it needs to connect the wired remote controller for received the signal of that.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- * : These functions need to connect the wired remote controller.

1. List of functions

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Category	Functions	ATNQ40GNLA4 ATNQ60GMLA4
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 / -
	Chaos wind(auto wind)	X
	Jet cool/heat	O / X
	Swirl wind*	O
	Comfort Air	O
Air purifying	Triple filter	X
	Air purifier (Plasma)	PTPKQ0
	Air purifier (Ionizer)	X
	Allergy Safe filter	X
	Long-life prefilter (washable / anti-fungus)	O
Installation	Drain pump	O
	E.S.P. control*	X
	Electric heater	X
	High ceiling operation*	O
Reliability	Self diagnosis	O
	Hot start	X
Convenience	Auto cleaning	X
	Auto changeover	X
	Auto operation(artificial intelligence)	O
	Auto Restart	O
	Child lock*	O
	Forced operation	X
	Group control*	O
	Sleep mode	O
	Timer(on/off)	O
	Timer(weekly)*	O
	Two thermistor control*	O
	Auto Elevation Grille*	PTEGM0
Special Functions	Wi-Fi	O (Accessory)
	Humidity Control	O
	Human Detecting Control	O (Accessory)
	VAV (Variable Air Volume) Control	X
Wireless remote controller Supply (included with product)		O
Wired remote controller Supply (included with product)		X
Network Solution(LGAP)		O

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3. In case of ducted type indoor units using the wireless remote controller, it needs to connect the wired remote controller for received the signal of that.

4. In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.

5. * : These functions need to connect the wired remote controller.

1. List of functions

◆ Accessory Compatibility List

Category		Product	Remark	ATNQ30GPLA4
Wireless Remote Controller		PQWRHQ0FDB / PQWRCQ0FDB	Heat Pump / Cooling Only	O
Wired Remote Controller	Simple	PQRCVCL0Q(W)	Simple	O
		PQRCHCA0Q(W)	for Hotel	O
	Standard	PREMTB001	Standard II (White)	O
		PREMTBB01	Standard II (Black)	O
		PREMTB100**	Standard III (White)	O
	Premium	PREMTA000(A/B)	Premium	O
Dry contact	Simple Contact	PDRYCB000	Simple Dry Contact	O
		PDRYCB400	2 Points Dry Contact (For Setback)	O
	Communication type	PDRYCB300	Dry Contact For 3rd Party Thermostat	O
		PDRYCB500	Dry Contact For Modbus	O
Gateway	IDU PI485	PHNFP14A0	Without case	X
		PSNFP14A0	With case	X
ETC	Remote temperature sensor	PQRSTA0	-	O
	Zone controller	ABZCA	-	X
	CO ₂ Sensor	PES-C0RV0	For ERV, ERV DX Indoor units	X
	Group control wire	PZCWRCG3	0.25m	O
	2-Remo Control Wire	PZCWRC2	0.25m	X
	Extension Wire	PZCWRC1	10m	O
	Wi-Fi Controller*	PWFMD200	-	O
	Independent Power Module	PRIP0	-	X
	Refrigerant Leakage Detector	PRLDNVS0	-	X
	Human Detecting Controller	PTVSMA0	-	X

Note

1. O: Possible, X: Impossible, -: Not applicable
2. *: Some advanced functions controlled by individual controller cannot be operated.
3. **: It could not be operated some functions.
4. If you need more detail, please refer to the **BECON** PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

1. List of functions

◆ Accessory Compatibility List

Category		Product	Remark	ATNQ40GNLA4 ATNQ60GMLA4
Wireless Remote Controller		PQWRHQ0FDB / PQWRCQ0FDB	Heat Pump / Cooling Only	O
Wired Remote Controller	Simple	PQRCVCL0Q(W)	Simple	O
		PQRCHCA0Q(W)	for Hotel	O
	Standard	PREMTB001	Standard II (White)	O
		PREMTBB01	Standard II (Black)	O
		PREMTB100**	Standard III (White)	O
	Premium	PREMTA000(A/B)	Premium	O
Dry contact	Simple Contact	PDRYCB000	Simple Dry Contact	O
		PDRYCB400	2 Points Dry Contact (For Setback)	O
	Communication type	PDRYCB300	Dry Contact For 3rd Party Thermostat	O
		PDRYCB500	Dry Contact For Modbus	O
Gateway	IDU PI485	PHNFP14A0	Without case	X
		PSNFP14A0	With case	X
ETC	Remote temperature sensor	PQRSTA0	-	O
	Zone controller	ABZCA	-	X
	CO ₂ Sensor	PES-C0RV0	For ERV, ERV DX Indoor units	X
	Group control wire	PZCWRCG3	0.25m	O
	2-Remo Control Wire	PZCWRC2	0.25m	X
	Extension Wire	PZCWRC1	10m	O
	Wi-Fi Controller*	PWFMD200	-	O
	Independent Power Module	PRIP0	-	X
	Refrigerant Leakage Detector	PRLDNVS0	-	X
	Human Detecting Controller	PTVSMA0	-	O

Note

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2. *: Some advanced functions controlled by individual controller cannot be operated.
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2. Specifications

Model Name	Factory model	-	ATNQ30GPLA4	ATNQ40GNLA4
Power Supply	#1	V, Φ , Hz	220-240, 1, 50/60	220-240, 1, 50/60
Power Input	H/M/L	W	-	-
Running Current	H/M/L	A	-	-
Indoor Fan	Type	-	2D Turbo Fan	2D Turbo Fan
	Air Flow Rate(H/M/L)	m ³ /min	17.0 / 15.0 / 13.0	23.0 / 21.0 / 19.0
Indoor Fan Motor	Type	-	BLDC	BLDC
	Drive	-	-	-
	Output	W x No.	50.3 x 1	124 x 1
	FLA(Full Load Ampere)	A	0.6	1.28
Dehumidification Rate	-	ℓ/h	2.4	2.5
Heat Exchanger	(Rows x Columns x FPI) x No.	-	(2 x 8 x 19) x 1	(2 x 10 x 19) x 1
	Face Area	m ² (ft ²)	0.35 (3.77)	0.43
Dimensions	Net(W x H x D)	mm	840 x 204 x 840	840 x 246 x 840
	Shipping(W x H x D)	mm	922 x 276 x 917	922 x 318 x 917
Weight	Net	kg	21.0	24.0
	Shipping	kg	27.0	30.0
Exterior	Color	-	Warm Gray	Warm Gray
Protection Device	-	-	Fuse	Fuse
Refrigerant	Control Type	-	EEV	EEV
Drain Pipe	O.D / I.D	mm	32 / 25	32 / 25
Piping Connection	Liquid	mm(inch)	Φ9.52 (3/8)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)	Φ15.88 (5/8)
Sound Pressure Level	Cooling(H/M/L)	dB(A)	38 / 36 / 34	40 / 38 / 36
Sound Power Level	Cooling(H/M/L)	dB(A)	-	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm ² x cores	0.75 x 4	0.75 x 4
Decoration Panel	Model Name	-	PT-MCHW0	PT-MCHW0
	Color	-	Morning Fog	Morning Fog
	Net Dimensions (W x H x D)	mm	950 x 35 x 950	950 x 35 x 950
	Shipping Dimensions (W x H x D)	mm	1,004 x 110 x 1,019	1,004 x 110 x 1,019
	Net Weight	kg	6.3	6.3
	Shipping Weight	kg	8.4	8.4

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "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.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.
 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

2. Specifications

Model Name	Factory model	-	ATNQ60GMLA4
Power Supply	#1	V, Φ , Hz	220-240, 1, 50/60
Power Input	H/M/L	W	-
Running Current	H/M/L	A	-
Indoor Fan	Type	-	2D Turbo Fan
	Air Flow Rate(H/M/L)	m ³ /min	31.0 / 28.0 / 25.0
Indoor Fan Motor	Type	-	BLDC
	Drive	-	-
	Output	W x No.	124 x 1
	FLA(Full Load Ampere)	A	1.28
Dehumidification Rate	-	ℓ/h	5.2
Heat Exchanger	(Rows x Columns x FPI) x No.	-	(2 x 12 x 19) x 1
	Face Area	m ² (ft ²)	0.53 (5.65)
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	28.0
	Shipping	kg	34.0
Exterior	Color	-	Warm Gray
Protection Divice	-	-	Fuse
Refrigerant	Control Type	-	EEV
Drain Pipe	O.D / I.D	mm	32 / 25
Piping Connection	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ19.05 (3/4)
Sound Pressure Level	Cooling(H/M/L)	dB(A)	47 / 45 / 42
Sound Power Level	Cooling(H/M/L)	dB(A)	-
Connecting Cable	Power and Communication cable(H07RN-F)	mm ² x cores	0.75 x 4
Decoration Panel	Model Name	-	PT-MCHW0
	Color	-	Morning Fog
	Net Dimensions (W x H x D)	mm	950 x 35 x 950
	Shipping Dimensions (W x H x D)	mm	1,004 x 110 x 1,019
	Net Weight	kg	6.3
	Shipping Weight	kg	8.4

Note

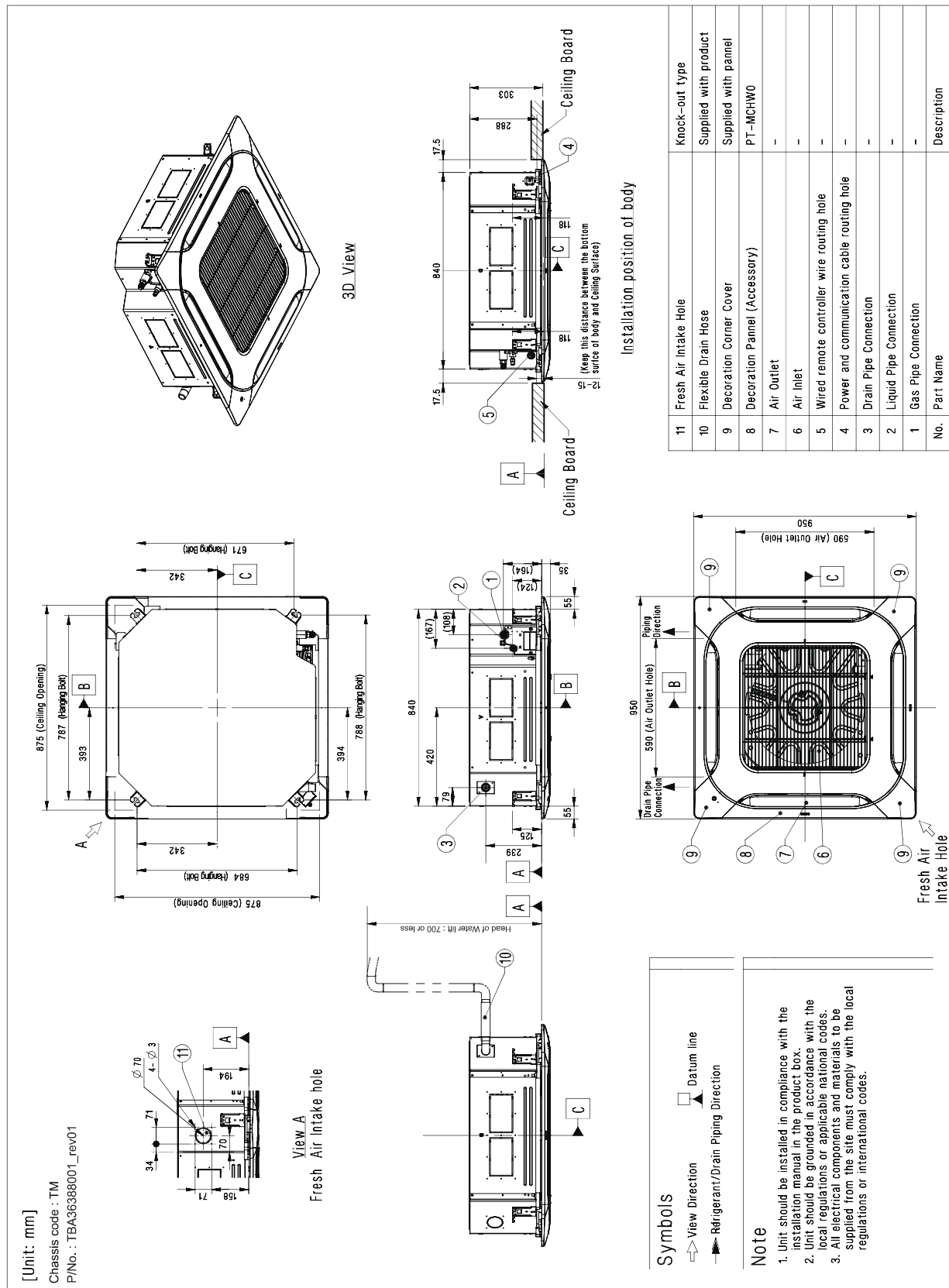
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 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.



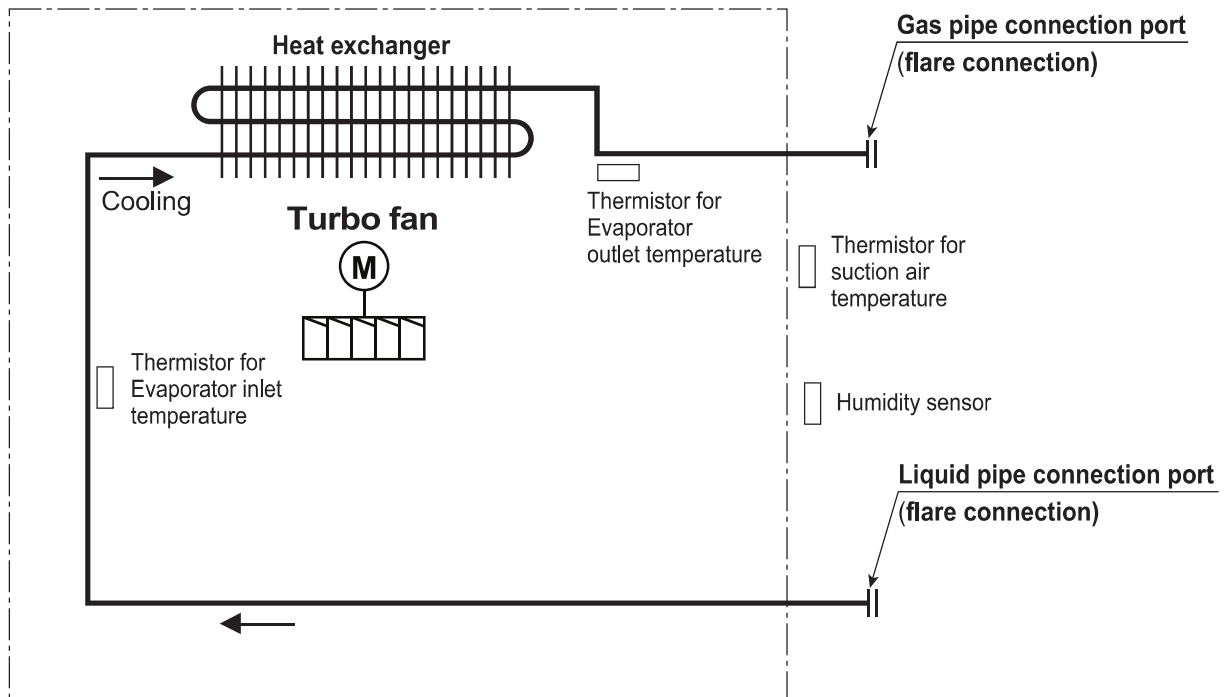


3. Dimensions

[TM Chassis] ATNQ60GMLA4



4. Piping diagrams



Description	PCB Connector
Thermistor for suction air temperature	CN_ROOM
Thermistor for evaporator inlet temperature	CN_PIPE_IN
Thermistor for evaporator outlet temperature	CN_PIPE_OUT
Humidity sensor	CN_HUMID

5. Wiring Diagrams

Models : ATNQ30GPLA4, ATNQ40GNLA4, ATNQ60GMLA4

