

ARNU24GTBB4

Multi V | Indoor Unit - Submittal

R410A | Ceiling Mounted Cassette (Dual Vane 4Way)



More information can be found at:
partner.lge.com

*The actual product may look slightly different from the product image above.

Specification

Power Supply	Case 1	-	220 V~ 60 Hz
	Limit Range of Voltage(Case 1)	-	198 - 242
	Running Current by Voltage (Rated)	A	0.34 / 032 / 0.31
Cooling Capacity	Nominal	kW	7.10
		Btu/h	24200
	Sensible Heat	kW	5.10
		Btu/h	17400
Heating Capacity	Nominal	kW	8.00
		Btu/h	27300
Power Input(Indoor)	H/M/L	W	32 / 27 / 20
Indoor Fan	Type	-	3D Turbo Fan
	Air Flow Rate(Cooling,(SH)/H/M/L)	m³/min	- / 18 / 17 / 15
	Air Flow Rate(Heating,(SH)/H/M/L)	m³/min	- / 18 / 17 / 15
Indoor Fan Motor	Type	-	Brushless DC
	Drive	-	Direct
	Output	W	51
		No.	1
Heat Exchanger	Rows x Columns x FPI	-	3 x 8 x 21
	No.	-	1
	Face Area	m²	0.33
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	21
	Shipping	kg	26
Exterior	Color	-	White
	RAL (Classic)	-	RAL9003
Air Filter	Type	-	Long life
Temperature Control	-	-	Microprocessor, Thermostat for cooling and heating
Sound Absorbing / Thermal Insulation Material	-	-	Foamed polystyrene
Protection Dvices	Fuse	-	0
	Type	-	R410A
Refrigerant	Additional Charging amount	kg(each)	0.32
	Control Type	-	EEV

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Drain Pipe(using Drain Pump)	O.D / I.D	mm(inch)	32 / 25
Connecting Pipe	Liquid	mm(inch)	Φ9.52 (3/8)
	Gas	mm(inch)	Φ15.88 (5/8)
Piping Connection Type	Liquid	-	Flare
	Gas	-	Flare
Sound Pressure Level (Indoor Unit)	Heating((SH)/H/M/L)	dB(A)	- / 39 / 37 / 35
Measurement Standard (Pressure Level)	-	-	ISO 3745
Sound Power Level (Indoor Unit)	Heating((SH)/H/M/L)	dB(A)	- / 46 / 44 / 42
Measurement Standard (Power Level)	-	-	ISO 9614
Connecting Cable	Communication Cable(VCTF-SB)	mm ² × cores	1.0~1.5 x 2
Electrical Characteristic	Minimum Circuit Amperes (MCA)	A	1.23
	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.98

Notes

- 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" 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 depend on the ambient conditions and values are normally higher in actual operation.
- 4 Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit.
Adapt after checking the specifications of outdoor unit.
- 5 Voltage supplied to the unit terminals should be within the minimum and maximum range.
- 6 Maximum allowable voltage unbalance between phase is 2%.
- 7 $MCA = 1.25 \times FLA$ / $MFA = 1.1 \times MCA$, $MFA \leq 4 \times FLA$.
If MFA is smaller than minimum standard value, Use minimum standard value in region for selecting circuit breaker.
- 8 Select wire size based on the MCA. And instead of Fuse, use Circuit Breaker.
- 9 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.
- 10 Some functions need to connect to the Standard III wired remote controller.
- 11 Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field

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Functions

- Air Supply Outlet : 4
- Airflow Direction Control (up & down) : Auto
- Auto Swing (up & down)
- Airflow Steps (fan/cool/heat) : 4 / 5 / 5
- Fan Speed Auto : Advanced
- Power Cool/Heat
- Swirl Wind
- Refresh Mode
- Smart Mode
- Indirect Wind
- Direct Wind
- Dry Operation
- Pre-Filter
- Air Purify : Accessory
- Ionizer : Accessory
- Hot Start
- Self Diagnosis
- Auto Mode
- Auto Dry Operation
- Auto Restart
- Child Lock
- Forced Operation
- Group Control
- Sleep Timer
- Turn On/Off Reservation
- Schedule
- Two Thermistor Control
- External On/Off
- Drain Pump
- High Ceiling Operation
- Duty Rotation / Back up Operation
- Wi-Fi Control : Embedded
- Human Detection Function : Accessory
- Floor Detection Function : Accessory

Control & Accesories

- PREMTA000 Premium Wired Remote Controller (English, Portuguese, Spanish, French)
- PREMTA000A Premium Wired Remote Controller (English, Italian, Russian, Chinese)
- PREMTA000B Premium Wired Remote Controller (English, German, Polish, Czech)
- PQRCVCL0Q Simple Wired Remote Controller (Black)
- PQRCHCA0Q Simple Wired Remote Controller (Black, for hotel)
- PQRCVCL0QW Simple Wired Remote Controller (White)
- PQRCHCA0QW Simple Wired Remote Controller (White, for hotel)
- PREMTBB01 Standard II Wired Remote Controller (Black)
- PREMTB001 Standard II Wired Remote Controller (White)
- PREMTBB10 Standard III Wired Remote Controller (Black)
- PREMTB100 Standard III Wired Remote Controller (White)
- PDRYCB320 Dry Contact for Thermostat (with Universal Input)
- PDRYCB500 Dry Contact for Modbus
- PDRYCB300 Dry Contact for Thermostat
- PDRYCB000 Simple Dry Contact with Case
- PDRYCB400 Two Setpoint Dry Contact
- PQWRHQ0FDB Wireless LCD Remote Control
- PWFMD200 Wi-Fi Module
- PQRSTA0 Remote Temperature Sensor, 1set / 1 indoor unit
- PT-AFGW0 Premium Panel
- PTVSAA0 Human detection sensor (required Standard III Controller)
- PZCWRCG3 Group Control Kit
- PT-AFGW0S Front panel & Air purification kit (4 Way)
- PTFSMA0 Floor Detection Sensor
- PT-AEGW0 Elevation Grille

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Control & Accesorries

- PT-AAGW0 Standard Panel
 - PTDCA Cassette Cover
 - PRARH1 Auxiliary Heater Relay Kit (for Duct, CST, CVT)
 - PTAHMP0 Air Purification Kit (4 Way)
 - PRLDNVS0 Refrigerant Leakage Detector
 - PLDRNV1S REFRIGERANT LEAKAGE DETECTOR (For R32)
 - PINPMB001 Multi-tenant Power Module
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[Unit: mm]

Chassis code : TP-B

DWG No. : TBA36588601_Rev02

Top View: Dimensions include 875 (Ceiling Opening), 787 (Hanging Bolt), 393, 342, 684 (Hanging Bolt), 875 (Ceiling Opening).

Side View: Dimensions include 840, 420, 79, 159, 55, 950, 577 (Air outlet hole), 577 (Air outlet hole), 950. Labels include A, B, C, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11.

Detail View: Dimensions include 121, 71, 34, 71, 157, 70, 71, 121. Label includes 11.

Labels: View, Fresh Air Intake Hole, Head of Water lift : 700 or less, Ceiling Board, Installation position of body, Knock-out type, Supplied with product, Supplied with panel, PT-A*GW0 / PF-A*WA***, Air Outlet, Air Inlet, Wired remote controller wire routing hole, Power and communication cable routing hole, Drain Pipe Connection, Liquid Pipe Connection, Gas Pipe Connection.

Symbols

➤ View Direction

➤ Datum line

➤ Refrigerant/Drain Piping Direction

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.

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