MULTI V™

Indoor Unit

# Ceiling Suspended Unit


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# 1. List of functions

## ◆ List of functions

| Category | Function | ARNU18GV1A4, ARNU24GV1A4, ARNU36GV2A4, ARNU48GV2A4 |
|---|---|---|
| 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 / 4 / 4 |
| | Fan Speed Auto* | Advanced |
| | Power Coo/Heat | O / O |
| | Swirl Wind* | X |
| | Refresh Mode** | X |
| | Smart Mode** | X |
| | Indirect Wind* | X |
| | Direct Wind* | X |
| | Dry Operation | O |
| Air Purification | Air Purify | X |
| | Ionizer | X |
| | UV-C | X |
| | Pre-Filter | O |
| Reliability | Hot Start | O |
| | Self Diagnosis | O |
| Convenience | Auto Mode | O |
| | 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 | X |
| | E.S.P. Control* | X |
| | High Ceiling Operation* | O |
| Special Functions | Wi-Fi | Accessory |
| | Auto Elevation Grille | X |
| | Human Detection Function** | X |
| | Floor Detection Function** | X |

***Note***

1. 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.
2. Some functions can be limited by remote controller.
3. In case of cassette type indoor units, Air Purification Kit and Auto Elevation Grille functions are not applicable at the same time.
4. 'Auto Mode' varies depending on the outdoor unit type.
   - Auto Change Over(Heat Recovery Outdoor Unit)
   - Auto Mode Select(Heat Pump Outdoor Unit)
   - Auto Intensity Control(Cooling Only Outdoor Unit)
5. * : These functions need to connect the wired remote controller.
6. ** : This functions need to connect to the Standard III wired remote controller.

# 1. List of functions

## ◆ Accessory Compatibility List

| Category | | Product | Remark | ARNU18GV1A4, ARNU24GV1A4, ARNU36GV2A4, ARNU48GV2A4 |
|---|---|---|---|---|
| Wireless Remote Controller | | PQWRHQ0FDB / PQWRCQ0FDB | Heat Pump / Cooling only | O |
| | | PWLSSB21H / PWLSSB21C | 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 |
| | | PREMTBB10** | Standard III (Black) | O |
| | Premium | PREMTA000(A/B)* | Premium | O |
| Dry contact | Simple Contact | PDRYCB000 | Simple Dry Contact | O |
| | Communication type | PDRYCB400 | 2 Points Dry Contact (For Setback) | O |
| | | PDRYCB300 | Dry Contact For 3rd Party Thermostat | O |
| | | PDRYCB320 | For 3rd Party Thermostat (Analog Input) | O |
| | | PDRYCB500 | Dry Contact For Modbus | O |
| Gateway | IDU PI485 | PHNFP14A0 | Without case | - |
| | | PSNFP14A0 | With case | - |
| ETC | Remote temperature sensor | PQRSTA0 | - | - |
| | Group control wire | PZCWRCG3 | 0.25m | O |
| | 2-Remo Control Wire | PZCWRC2 | 0.25m | - |
| | Extension Wire | PZCWRC1 | 10m | - |
| | Wi-Fi Controller* | PWFMDD200 | - | O |
| | Independent Power Module | PRIP0 | - | O |
| | Refrigerant Leakage Detector | PRLDNVS0 | - | O |
| | Human Detecting Controller | PHD-TM0 | - | - |
| | Air Purification Kit (1way) | PTAHTP0 | - | - |

***Note***

1. O: Possible, X: Impossible, - : Not applicable, Embedded : Included with product.
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))

# 2. Specifications

| Type | | | Ceiling Suspended Unit | |
|---|---|---|---|---|
| Model | | Unit | ARNU18GV1A4 | ARNU24GV1A4 |
| Cooling Capacity | | kW | 5.6 | 7.1 |
| | | kcal/h | 4,800 | 6,100 |
| | | Btu/h | 19,100 | 24,200 |
| Heating Capacity | | kW | 6.3 | 8 |
| | | kcal/h | 5,400 | 6,900 |
| | | Btu/h | 21,500 | 27,300 |
| Power Input (H / M / L) | | W | 23 / 20 / 17 | 25 / 21 / 17 |
| Casing | | | Galvanized Steel Plate + Painting | |
| Dimensions (W × H × D) | Body | mm | 1,200 × 235 × 690 | 1,200 × 235 × 690 |
| | | inch | 47-1/4 × 9-1/4 × 27-3/16 | 47-1/4 × 9-1/4 × 27-3/16 |
| Coil | Rows × Columns × FPI | | 3 × 18 × 18 | 3 × 18 × 18 |
| | Face Area | m² | 0.32 | 0.32 |
| Fan | Type | | Cross Flow Fan | Cross Flow Fan |
| | Motor Output × Number | W × No. | 85.9 × 1 | 85.9 × 1 |
| | Air Flow Rate (H / M / L) | m³/min | 13.5 / 12.5 / 12 .0 | 14.0 / 13.0 / 12.0 |
| | | ft³/min | 477 / 441 / 424 | 495 / 459 / 424 |
| | Drive | | Direct | Direct |
| | Motor type | | BLDC | BLDC |
| Temperature Control | | | Microprocessor, Thermostat for cooling and heating | |
| Sound Absorbing Thermal Insulation Material | | | Foamed polystrene | Foamed polystrene |
| Safety Device | | | Fuse | Fuse |
| Pipe Connections | Liquid Side | mm(inch) | Ø6.35(1/4) | Ø9.52(3/8) |
| | Gas Side | mm(inch) | Ø12.7(1/2) | Ø15.88(5/8) |
| | Drain (O.D. / I.D.) | mm | Ø 25.0 / 16.0 | Ø 25.0 / 16.0 |
| Net Weight | | kg(lbs) | 29.0 (63.9) | 29.0 (63.9) |
| Shipping Weight | | kg(lbs) | 36.0 (79.4) | 36.0 (79.4) |
| Sound Pressure Levels (H / M / L) | | dB(A) | 36 / 34 / 33 | 37 / 35 / 33 |
| Sound Power Levels (H / M / L) | | dB(A) | 61 / 59 / 56 | 62 / 59 / 56 |
| Power Supply | | Ø, V, Hz | 1, 220 - 230 - 240, 50/60 | 1, 220 - 230 - 240, 50/60 |
| Running Current by voltage | Rated | A | 0.18 - 0.17 - 0.16 | 0.20 - 0.19 - 0.18 |
| Maximum Running Current | | A | 0.97 | 0.97 |
| Refrigerant | Type | - | R410A | R410A |
| | Additional Charging Amount (CF Value of IDU) | kg(each) | 0.53 | 0.53 |
| | Control | - | EEV | EEV |
| Transmission Cable | | mm² × Cores | 1.0 ~ 1.5 × 2C | 1.0 ~ 1.5 × 2C |

***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 pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard.
   Therefore, these values can be increased owing to ambient conditions during 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.
5. 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.

# 2. Specifications

| Type | | | Ceiling Suspended Unit | |
|---|---|---|---|---|
| **Model** | | **Unit** | **ARNU36GV2A4** | **ARNU48GV2A4** |
| Cooling Capacity | | kW | 10.6 | 14.1 |
| | | kcal/h | 9,100 | 12,100 |
| | | Btu/h | 36,200 | 48,100 |
| Heating Capacity | | kW | 11.9 | 15.9 |
| | | kcal/h | 10,200 | 13,200 |
| | | Btu/h | 40,600 | 51,200 |
| Power Input (H / M / L) | | W | 84 / 77 / 66 | 91 / 79 / 66 |
| Casing | | | Galvanized Steel Plate + Painting | |
| Dimensions (W × H × D) | Body | mm | 1,600 × 235 × 690 | 1,600 × 235 × 690 |
| | | inch | 63 × 9-1/4 × 27-5/32 | 63 × 9-1/4 × 27-5/32 |
| Coil | Rows × Columns × FPI | | 3 × 18 × 18 | 3 × 18 × 18 |
| | Face Area | m² | 0.46 | 0.46 |
| Fan | Type | | Cross Flow Fan | Cross Flow Fan |
| | Motor Output × Number | W × No. | 125 × 1 | 125 × 1 |
| | Air Flow Rate (H / M / L) | m³/min | 27.0 / 24.0 / 20.0 | 29.0 / 24.0 / 20.0 |
| | | ft³/min | 954 / 848 / 706 | 1,024 / 848/ 706 |
| | Drive | | Direct | Direct |
| | Motor type | | BLDC | BLDC |
| Temperature Control | | | Microprocessor, Thermostat for cooling and heating | |
| Sound Absorbing Thermal Insulation Material | | | Foamed polystrene | Foamed polystrene |
| Safety Device | | | Fuse | Fuse |
| Pipe Connections | Liquid Side | mm(inch) | Ø9.52(3/8) | Ø9.52(3/8) |
| | Gas Side | mm(inch) | Ø15.88(5/8) | Ø15.88(5/8) |
| | Drain (O.D. / I.D.) | mm | Ø 25.0 / 16.0 | Ø 25.0 / 16.0 |
| Net Weight | Body | kg(lbs) | 37.0 (81.6) | 37.0 (81.6) |
| Shipping Weight | | kg(lbs) | 45.5 (100.3) | 45.5 (100.3) |
| Sound Pressure Levels (H / M / L) | | dB(A) | 45 / 44 / 40.5 | 47 / 44 / 40.5 |
| Sound Power Levels (H / M / L) | | dB(A) | 68 / 66 / 64 | 68 / 67 / 66 |
| Power Supply | | Ø, V, Hz | 1, 220 - 230 - 240, 50/60 | 1, 220 - 230 - 240, 50/60 |
| Running Current by voltage | Rated | A | 0.46 - 0.44 - 0.42 | 0.50 - 0.48 - 0.46 |
| Maximum Running Current | | A | 0.97 | 0.97 |
| Refrigerant | Type | - | R410A | R410A |
| | Additional Charging Amount (CF Value of IDU) | kg(each) | 0.79 | 0.79 |
| | Control | - | EEV | EEV |
| Transmission Cable | | mm² × Cores | 1.0 ~ 1.5 × 2C | 1.0 ~ 1.5 × 2C |

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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.
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   Adapt after checking the specifications of outdoor unit.