

## **Floor Standing Unit**

- 1.List of functions**
- 2.Specifications**
- 3.Dimensions**
- 4.Piping Diagrams**
- 5.Wiring Diagrams**
- 6.Capacity Tables**
- 7.Air Velocity and Temperature Distribution**
- 8.Electric Characteristics**
- 9.Sound Levels**
- 10.Installation**

# 1. List of functions

| Category             | Function                                | ARNU07GCEA4, ARNU09GCEA4, ARNU12GCEA4, ARNU15GCEA4, ARNU18GCFA4, ARNU24GCFA4, ARNU07GCEU4, ARNU09GCEU4, ARNU12GCEU4, ARNU15GCEU4, ARNU18GCFU4, ARNU24GCFU4 |
|----------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air flow             | Air supply outlet                       | 1                                                                                                                                                          |
|                      | Airflow direction control(left & right) | -                                                                                                                                                          |
|                      | Airflow direction control(up & down)    | -                                                                                                                                                          |
|                      | Auto swing(left & right)                | -                                                                                                                                                          |
|                      | Auto swing(up & down)                   | -                                                                                                                                                          |
|                      | Airflow steps(fan/cool/heat)            | 3 / 3 / 3                                                                                                                                                  |
|                      | Chaos swing                             | -                                                                                                                                                          |
|                      | Chaos wind(auto wind)                   | -                                                                                                                                                          |
|                      | Jet cool(Power wind)                    | -                                                                                                                                                          |
|                      | Swirl wind                              | -                                                                                                                                                          |
| Air purifying        | Deodorizing filter                      | X                                                                                                                                                          |
|                      | Plasma air purifier                     | X                                                                                                                                                          |
|                      | Prefilter(washable / anti-fungus)       | O                                                                                                                                                          |
| Installation         | Drain pump                              | X                                                                                                                                                          |
|                      | E.S.P. control*                         | O                                                                                                                                                          |
|                      | Electric heater(operation)              | X                                                                                                                                                          |
|                      | High ceiling operation*                 | -                                                                                                                                                          |
| Reliability          | Hot start                               | O                                                                                                                                                          |
|                      | Self diagnosis                          | O                                                                                                                                                          |
|                      | Soft dry operation                      | O                                                                                                                                                          |
| Convenience          | Auto changeover                         | O(Heat recovery)                                                                                                                                           |
|                      | Auto cleaning                           | X                                                                                                                                                          |
|                      | Auto operation(artificial intelligence) | O(Heat pump or Cooling only)                                                                                                                               |
|                      | Auto restart operation                  | O                                                                                                                                                          |
|                      | Child lock*                             | O                                                                                                                                                          |
|                      | Forced operation                        | -                                                                                                                                                          |
|                      | Group control*                          | O                                                                                                                                                          |
|                      | Sleep mode                              | X                                                                                                                                                          |
|                      | Timer(on/off)                           | O                                                                                                                                                          |
|                      | Timer(weekly)*                          | O                                                                                                                                                          |
|                      | Two thermistor control*                 | O                                                                                                                                                          |
|                      | External On/Off                         | O                                                                                                                                                          |
| Individual control   | Wide wired remote controller (RS2)      | PQRCVSL0/PQRCVSL0QW                                                                                                                                        |
|                      | Wide wired remote controller (RS2 Plus) | PREMTB001/PREMTBB01                                                                                                                                        |
|                      | Premium wired remote controller         | PREMTA000/PREMTA000A/PREMTA000B                                                                                                                            |
|                      | Simple wired remote controller          | PQRCVCL0Q(W)                                                                                                                                               |
|                      | Wired remote controller(for hotel use)  | PQRCHCA0Q(W)                                                                                                                                               |
|                      | Wireless LCD remote control             | PQWRH(C)Q0FDB                                                                                                                                              |
| Special function kit | Zone control                            | -                                                                                                                                                          |
|                      | CTIE                                    | -                                                                                                                                                          |
|                      | Electro thermostat                      | -                                                                                                                                                          |
|                      | Remote temperature sensor               | -                                                                                                                                                          |
|                      | Group control wire                      | PZCWRCG3                                                                                                                                                   |
|                      | Dry contact                             | PDRYCB000/PDRYCB300/PDRYCB400/PDRYCB500                                                                                                                    |

## Note

1. O : Applied

X : Not Applied

Accessory model name : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.

2. Some functions can be limited by remote controller.

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.

## 2. Specifications

| Type                                        |                           |          | Floor Standing                                     |                        |
|---------------------------------------------|---------------------------|----------|----------------------------------------------------|------------------------|
| Model                                       |                           | Unit     | ARNU07GCEA4                                        | ARNU09GCEA4            |
| Cooling Capacity                            |                           | kW       | 2.2                                                | 2.8                    |
|                                             |                           | kcal/h   | 1,900                                              | 2,400                  |
|                                             |                           | Btu/h    | 7,500                                              | 9,600                  |
| Heating Capacity                            |                           | kW       | 2.5                                                | 3.2                    |
|                                             |                           | kcal/h   | 2,200                                              | 2,800                  |
|                                             |                           | Btu/h    | 8,500                                              | 10,900                 |
| Power Input (H / M / L)                     |                           | W        | 24 / 17 / 14                                       | 30 / 24 / 17           |
| Casing                                      |                           |          | Galvanized Steel Plate                             | Galvanized Steel Plate |
| Dimensions (WxHxD)                          | Body                      | mm       | 1,067 x 635 x 203                                  | 1,067 x 635 x 203      |
|                                             |                           | inch     | 42 × 25 × 8                                        | 42 × 25 × 8            |
| Coil                                        | Rows x Columns x FPI      |          | 2 x 12 x 19                                        | 2 x 12 x 19            |
|                                             | Face Area                 | m²       | 0.16                                               | 0.16                   |
| Fan                                         | Type                      |          | Sirocco Fan                                        | Sirocco Fan            |
|                                             | Motor Output x Number     | W        | 19 x 1, 5 x 1                                      | 19 x 1, 5 x 1          |
|                                             | Running Current           | A        | 0.76                                               | 0.76                   |
|                                             | Air Flow Rate (H / M / L) | m³/min   | 8.5 / 7.5 / 6.5                                    | 9.5 / 8.5 / 7.5        |
|                                             |                           | ft³/min  | 300 / 265 / 229                                    | 335 / 300 / 265        |
|                                             | Drive                     |          | Direct                                             | Direct                 |
|                                             | Motor type                |          | BLDC                                               | BLDC                   |
| Temperature Control                         |                           |          | Microprocessor, Thermostat for cooling and heating |                        |
| Sound Absorbing Thermal Insulation Material |                           |          | Foamed polystyrene                                 | Foamed polystyrene     |
| Air Filter                                  |                           |          | Resin Net(washable)                                | Resin Net(washable)    |
| Safety Device                               |                           |          | Fuse                                               | Fuse                   |
| Pipe Connections                            | Liquid Side               | mm(inch) | Ø6.35(1/4)                                         | Ø6.35(1/4)             |
|                                             | Gas Side                  | mm(inch) | Ø12.7(1/2)                                         | Ø12.7(1/2)             |
|                                             | Drain Pipe(Internal Dia.) | mm(inch) | 12(15/32)                                          | 12(15/32)              |
| Net Weight                                  |                           | kg(lbs)  | 27(59.5)                                           | 27(59.5)               |
| Sound Pressure Levels (H / M / L)           |                           | dB(A)    | 35 / 33 / 31                                       | 36 / 34 / 32           |
| Sound Power Levels (H / M / L)              |                           | dB(A)    | 52 / 47 / 43                                       | 54 / 51 / 47           |
| Power Supply                                |                           | Ø, V, Hz | 1, 220-240, 50                                     | 1, 220-240, 50         |
|                                             |                           |          | 1, 220, 60                                         | 1, 220, 60             |
| Refrigerant Control                         |                           |          | EEV                                                | EEV                    |
| Transmission cable                          |                           | mm²      | 1.0~1.5 x 2C                                       | 1.0~1.5 x 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 reverberation rooms by ISO 3741 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 : Indoot Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - Heating : Indoot 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 Zero.

## 2. Specifications

| Type                                        |                           |          | Floor Standing                                     |                        |
|---------------------------------------------|---------------------------|----------|----------------------------------------------------|------------------------|
| Model                                       |                           | Unit     | ARNU12GCEA4                                        | ARNU15GCEA4            |
| Cooling Capacity                            |                           | kW       | 3.6                                                | 4.5                    |
|                                             |                           | kcal/h   | 3,100                                              | 3,900                  |
|                                             |                           | Btu/h    | 12,300                                             | 15,400                 |
| Heating Capacity                            |                           | kW       | 4.0                                                | 5.0                    |
|                                             |                           | kcal/h   | 3,400                                              | 4,300                  |
|                                             |                           | Btu/h    | 13,600                                             | 17,100                 |
| Power Input (H / M / L)                     |                           | W        | 36 / 30 / 24                                       | 44 / 35 / 28           |
| Casing                                      |                           |          | Galvanized Steel Plate                             | Galvanized Steel Plate |
| Dimensions (WxHxD)                          | Body                      | mm       | 1,067 x 635 x 203                                  | 1,067 x 635 x 203      |
|                                             |                           | inch     | 42 × 25 × 8                                        | 42 × 25 ×8             |
| Coil                                        | Rows x Columns x FPI      |          | 2 x 12 x 19                                        | 2 x 12 x 19            |
|                                             | Face Area                 | m²       | 0.16                                               | 0.16                   |
| Fan                                         | Type                      |          | Sirocco Fan                                        | Sirocco Fan            |
|                                             | Motor Output x Number     | W        | 19 x 1, 5 x 1                                      | 19 x 1, 5 x 1          |
|                                             | Running Current           | A        | 0.76                                               | 0.76                   |
|                                             | Air Flow Rate (H / M / L) | m³/min   | 10.5 / 9.5 / 8.5                                   | 11.5 / 10.0 / 9.5      |
|                                             |                           | ft³/min  | 371 / 335 / 300                                    | 406 / 353 / 335        |
|                                             | Drive                     |          | Direct                                             | Direct                 |
| Motor type                                  |                           | BLDC     | BLDC                                               |                        |
| Temperature Control                         |                           |          | Microprocessor, Thermostat for cooling and heating |                        |
| Sound Absorbing Thermal Insulation Material |                           |          | Foamed polystrene                                  | Foamed polystrene      |
| Air Filter                                  |                           |          | Resin Net(washable)                                | Resin Net(washable)    |
| Safety Device                               |                           |          | Fuse                                               | Fuse                   |
| Pipe Connections                            | Liquid Side               | mm(inch) | Ø6.35(1/4)                                         | Ø6.35(1/4)             |
|                                             | Gas Side                  | mm(inch) | Ø12.7(1/2)                                         | Ø12.7(1/2)             |
|                                             | Drain Pipe(Internal Dia.) | mm(inch) | 12(15/32)                                          | 12(15/32)              |
| Net Weight                                  |                           | kg(lbs)  | 27(59.5)                                           | 27(59.5)               |
| Sound Pressure Levels (H / M / L)           |                           | dB(A)    | 37 / 35 / 33                                       | 38 / 37 / 35           |
| Sound Power Levels (H / M / L)              |                           | dB(A)    | 54 / 51 / 50                                       | 55 / 54 / 51           |
| Power Supply                                |                           | Ø, V, Hz | 1, 220-240, 50                                     | 1, 220-240, 50         |
|                                             |                           |          | 1, 220, 60                                         | 1, 220, 60             |
| Refrigerant Control                         |                           |          | EEV                                                | EEV                    |
| Transmission cable                          |                           | mm²      | 1.0~1.5 x 2C                                       | 1.0~1.5 x 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 reverberation rooms by ISO 3741 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 : Indoot Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - Heating : Indoot 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 Zero.

## 2. Specifications

| Type                                        |                           |          | Floor Standing                                     |                        |
|---------------------------------------------|---------------------------|----------|----------------------------------------------------|------------------------|
| Model                                       |                           | Unit     | ARNU18GCFA4                                        | ARNU24GCFA4            |
| Cooling Capacity                            |                           | kW       | 5.6                                                | 7.1                    |
|                                             |                           | kcal/h   | 4,800                                              | 6,100                  |
|                                             |                           | Btu/h    | 19,100                                             | 24,200                 |
| Heating Capacity                            |                           | kW       | 6.3                                                | 8.0                    |
|                                             |                           | kcal/h   | 5,400                                              | 6,900                  |
|                                             |                           | Btu/h    | 21,500                                             | 27,300                 |
| Power Input (H / M / L)                     |                           | W        | 54 / 41 / 29                                       | 84 / 54 / 41           |
| Casing                                      |                           |          | Galvanized Steel Plate                             | Galvanized Steel Plate |
| Dimensions (WxHxD)                          | Body                      | mm       | 1,345 x 635 x 203                                  | 1,345 x 635 x 203      |
|                                             |                           | inch     | 52-15/16 x 25 x 8                                  | 52-15/16 x 25 x 8      |
| Coil                                        | Rows x Columns x FPI      |          | 3 x 11 x 19                                        | 3 x 11 x 19            |
|                                             | Face Area                 | m²       | 0.23                                               | 0.23                   |
| Fan                                         | Type                      |          | Sirocco Fan                                        | Sirocco Fan            |
|                                             | Motor Output x Number     | W        | 19 x 2                                             | 19 x 2                 |
|                                             | Running Current           | A        | 0.97                                               | 0.97                   |
|                                             | Air Flow Rate (H / M / L) | m³/min   | 16.0 / 14.0 / 12.0                                 | 18.0 / 16.0 / 14.0     |
|                                             |                           | ft³/min  | 565 / 494 / 424                                    | 635 / 565 / 494        |
|                                             | Drive                     |          | Direct                                             | Direct                 |
|                                             | Motor type                |          | BLDC                                               | BLDC                   |
| Temperature Control                         |                           |          | Microprocessor, Thermostat for cooling and heating |                        |
| Sound Absorbing Thermal Insulation Material |                           |          | Foamed polystrene                                  | Foamed polystrene      |
| Air Filter                                  |                           |          | Resin Net(washable)                                | Resin Net(washable)    |
| 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 Pipe(Internal Dia.) | mm(inch) | 12(15/32)                                          | 12(15/32)              |
| Net Weight                                  |                           | kg(lbs)  | 34(75.0)                                           | 34(75.0)               |
| Sound Pressure Levels (H / M / L)           |                           | dB(A)    | 40 / 37 / 34                                       | 43 / 40 / 37           |
| Sound Power Levels (H / M / L)              |                           | dB(A)    | 57 / 54 / 50                                       | 61 / 57 / 54           |
| Power Supply                                |                           | Ø, V, Hz | 1, 220-240, 50                                     | 1, 220-240, 50         |
|                                             |                           |          | 1, 220, 60                                         | 1, 220, 60             |
| Refrigerant Control                         |                           |          | EEV                                                | EEV                    |
| Transmission cable                          |                           | mm²      | 1.0~1.5 x 2C                                       | 1.0~1.5 x 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 reverberation rooms by ISO 3741 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 : Indoot Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - Heating : Indoot 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 Zero.

## 2. Specifications

| Type                                        |                           |          | Floor Standing                                     |                            |
|---------------------------------------------|---------------------------|----------|----------------------------------------------------|----------------------------|
| Model                                       |                           | Unit     | ARNU07GCEU4                                        | ARNU09GCEU4                |
| Cooling Capacity                            |                           | kW       | 2.2                                                | 2.8                        |
|                                             |                           | kcal/h   | 1,900                                              | 2,400                      |
|                                             |                           | Btu/h    | 7,500                                              | 9,600                      |
| Heating Capacity                            |                           | kW       | 2.5                                                | 3.2                        |
|                                             |                           | kcal/h   | 2,200                                              | 2,800                      |
|                                             |                           | Btu/h    | 8,500                                              | 10,900                     |
| Power Input (H / M / L)                     |                           | W        | 24 / 17 / 14                                       | 30 / 24 / 17               |
| Casing                                      |                           |          | Galvanized Steel Plate                             | Galvanized Steel Plate     |
| Dimensions (WxHxD)                          | Body                      | mm       | 978 x 639 x 190                                    | 978 x 639 x 190            |
|                                             |                           | inch     | 38-1/2 x 25-5/32 x 7-15/32                         | 38-1/2 x 25-5/32 x 7-15/32 |
| Coil                                        | Rows x Columns x FPI      |          | 2 x 12 x 19                                        | 2 x 12 x 19                |
|                                             | Face Area                 | m²       | 0.16                                               | 0.16                       |
| Fan                                         | Type                      |          | Sirocco Fan                                        | Sirocco Fan                |
|                                             | Motor Output x Number     | W        | 19 x 1, 5 x 1                                      | 19 x 1, 5 x 1              |
|                                             | Running Current           | A        | 0.76                                               | 0.76                       |
|                                             | Air Flow Rate (H / M / L) | m³/min   | 8.5 / 7.5 / 6.5                                    | 9.5 / 8.5 / 7.5            |
|                                             |                           | ft³/min  | 300 / 265 / 229                                    | 335 / 300 / 265            |
|                                             | Drive                     |          | Direct                                             | Direct                     |
|                                             | Motor type                |          | BLDC                                               | BLDC                       |
| Temperature Control                         |                           |          | Microprocessor, Thermostat for cooling and heating |                            |
| Sound Absorbing Thermal Insulation Material |                           |          | Foamed polystyrene                                 | Foamed polystyrene         |
| Air Filter                                  |                           |          | Resin Net(washable)                                | Resin Net(washable)        |
| Safety Device                               |                           |          | Fuse                                               | Fuse                       |
| Pipe Connections                            | Liquid Side               | mm(inch) | Ø6.35(1/4)                                         | Ø6.35(1/4)                 |
|                                             | Gas Side                  | mm(inch) | Ø12.7(1/2)                                         | Ø12.7(1/2)                 |
|                                             | Drain Pipe(Internal Dia.) | mm(inch) | 12(15/32)                                          | 12(15/32)                  |
| Net Weight                                  |                           | kg(lbs)  | 20(44.1)                                           | 20(44.1)                   |
| Sound Pressure Levels (H / M / L)           |                           | dB(A)    | 35 / 33 / 31                                       | 36 / 34 / 32               |
| Sound Power Levels (H / M / L)              |                           | dB(A)    | 52 / 47 / 43                                       | 54 / 51 / 47               |
| Power Supply                                |                           | Ø, V, Hz | 1, 220-240, 50                                     | 1, 220-240, 50             |
|                                             |                           |          | 1, 220, 60                                         | 1, 220, 60                 |
| Refrigerant Control                         |                           |          | EEV                                                | EEV                        |
| Transmission cable                          |                           | mm²      | 1.0~1.5 x 2C                                       | 1.0~1.5 x 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 reverberation rooms by ISO 3741 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 : Indoot Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - Heating : Indoot 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 Zero.

## 2. Specifications

| Type                                        |                           |          | Floor Standing                                     |                            |
|---------------------------------------------|---------------------------|----------|----------------------------------------------------|----------------------------|
| Model                                       |                           | Unit     | ARNU12GCEU4                                        | ARNU15GCEU4                |
| Cooling Capacity                            |                           | kW       | 3.6                                                | 4.5                        |
|                                             |                           | kcal/h   | 3,100                                              | 3,900                      |
|                                             |                           | Btu/h    | 12,300                                             | 15,400                     |
| Heating Capacity                            |                           | kW       | 4.0                                                | 5.0                        |
|                                             |                           | kcal/h   | 3,400                                              | 4,300                      |
|                                             |                           | Btu/h    | 13,600                                             | 17,100                     |
| Power Input (H / M / L)                     |                           | W        | 36 / 30 / 24                                       | 44 / 35 / 28               |
| Casing                                      |                           |          | Galvanized Steel Plate                             | Galvanized Steel Plate     |
| Dimensions (WxHxD)                          | Body                      | mm       | 978 x 639 x 190                                    | 978 x 639 x 190            |
|                                             |                           | inch     | 38-1/2 x 25-5/32 x 7-15/32                         | 38-1/2 x 25-5/32 x 7-15/32 |
| Coil                                        | Rows x Columns x FPI      |          | 2 x 12 x 19                                        | 2 x 12 x 19                |
|                                             | Face Area                 | m²       | 0.16                                               | 0.16                       |
| Fan                                         | Type                      |          | Sirocco Fan                                        | Sirocco Fan                |
|                                             | Motor Output x Number     | W        | 19 x 1, 5 x 1                                      | 19 x 1, 5 x 1              |
|                                             | Running Current           | A        | 0.76                                               | 0.76                       |
|                                             | Air Flow Rate (H / M / L) | m³/min   | 10.5 / 9.5 / 8.5                                   | 11.5 / 10.0 / 9.5          |
|                                             |                           | ft³/min  | 371 / 335 / 300                                    | 406 / 353 / 335            |
|                                             | Drive                     |          | Direct                                             | Direct                     |
|                                             | Motor type                |          | BLDC                                               | BLDC                       |
| Temperature Control                         |                           |          | Microprocessor, Thermostat for cooling and heating |                            |
| Sound Absorbing Thermal Insulation Material |                           |          | Foamed polystyrene                                 | Foamed polystyrene         |
| Air Filter                                  |                           |          | Resin Net(washable)                                | Resin Net(washable)        |
| Safety Device                               |                           |          | Fuse                                               | Fuse                       |
| Pipe Connections                            | Liquid Side               | mm(inch) | Ø6.35(1/4)                                         | Ø6.35(1/4)                 |
|                                             | Gas Side                  | mm(inch) | Ø12.7(1/2)                                         | Ø12.7(1/2)                 |
|                                             | Drain Pipe(Internal Dia.) | mm(inch) | 12(15/32)                                          | 12(15/32)                  |
| Net Weight                                  |                           | kg(lbs)  | 20(44.1)                                           | 20(44.1)                   |
| Sound Pressure Levels (H / M / L)           |                           | dB(A)    | 37 / 35 / 33                                       | 38 / 37 / 35               |
| Sound Power Levels (H / M / L)              |                           | dB(A)    | 54 / 51 / 50                                       | 55 / 54 / 51               |
| Power Supply                                |                           | Ø, V, Hz | 1, 220-240, 50                                     | 1, 220-240, 50             |
|                                             |                           |          | 1, 220, 60                                         | 1, 220, 60                 |
| Refrigerant Control                         |                           |          | EEV                                                | EEV                        |
| Transmission cable                          |                           | mm²      | 1.0~1.5 x 2C                                       | 1.0~1.5 x 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 reverberation rooms by ISO 3741 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 : Indoot Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - Heating : Indoot 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 Zero.

## 2. Specifications

| Type                                        |                           |          | Floor Standing                                     |                             |
|---------------------------------------------|---------------------------|----------|----------------------------------------------------|-----------------------------|
| Model                                       |                           | Unit     | ARNU18GCFU4                                        | ARNU24GCFU4                 |
| Cooling Capacity                            |                           | kW       | 5.6                                                | 7.1                         |
|                                             |                           | kcal/h   | 4,800                                              | 6,100                       |
|                                             |                           | Btu/h    | 19,100                                             | 24,200                      |
| Heating Capacity                            |                           | kW       | 6.3                                                | 8.0                         |
|                                             |                           | kcal/h   | 5,400                                              | 6,900                       |
|                                             |                           | Btu/h    | 21,500                                             | 27,300                      |
| Power Input (H / M / L)                     |                           | W        | 54 / 41 / 29                                       | 84 / 54 / 41                |
| Casing                                      |                           |          | Galvanized Steel Plate                             | Galvanized Steel Plate      |
| Dimensions (WxHxD)                          | Body                      | mm       | 1,256 x 639 x 190                                  | 1,256 x 639 x 190           |
|                                             |                           | inch     | 49-7/16 x 25-5/32 x 7-15/32                        | 49-7/16 x 25-5/32 x 7-15/32 |
| Coil                                        | Rows x Columns x FPI      |          | 3 x 11 x 19                                        | 3 x 11 x 19                 |
|                                             | Face Area                 | m²       | 0.23                                               | 0.23                        |
| Fan                                         | Type                      |          | Sirocco Fan                                        | Sirocco Fan                 |
|                                             | Motor Output x Number     | W        | 19 x 2                                             | 19 x 2                      |
|                                             | Running Current           | A        | 0.97                                               | 0.97                        |
|                                             | Air Flow Rate (H / M / L) | m³/min   | 16.0 / 14.0 / 12.0                                 | 18.0 / 16.0 / 14.0          |
|                                             |                           | ft³/min  | 565 / 494 / 424                                    | 635 / 565 / 494             |
|                                             | Drive                     |          | Direct                                             | Direct                      |
|                                             | Motor type                |          | BLDC                                               | BLDC                        |
| Temperature Control                         |                           |          | Microprocessor, Thermostat for cooling and heating |                             |
| Sound Absorbing Thermal Insulation Material |                           |          | Foamed polystyrene                                 | Foamed polystyrene          |
| Air Filter                                  |                           |          | Resin Net(washable)                                | Resin Net(washable)         |
| 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 Pipe(Internal Dia.) | mm(inch) | 12(15/32)                                          | 12(15/32)                   |
| Net Weight                                  |                           | kg(lbs)  | 27(59.5)                                           | 27(59.5)                    |
| Sound Pressure Levels (H / M / L)           |                           | dB(A)    | 40 / 37 / 34                                       | 43 / 40 / 37                |
| Sound Power Levels (H / M / L)              |                           | dB(A)    | 57 / 54 / 50                                       | 61 / 57 / 54                |
| Power Supply                                |                           | Ø, V, Hz | 1, 220-240, 50                                     | 1, 220-240, 50              |
|                                             |                           |          | 1, 220, 60                                         | 1, 220, 60                  |
| Refrigerant Control                         |                           |          | EEV                                                | EEV                         |
| Transmission cable                          |                           | mm²      | 1.0~1.5 x 2C                                       | 1.0~1.5 x 2C                |

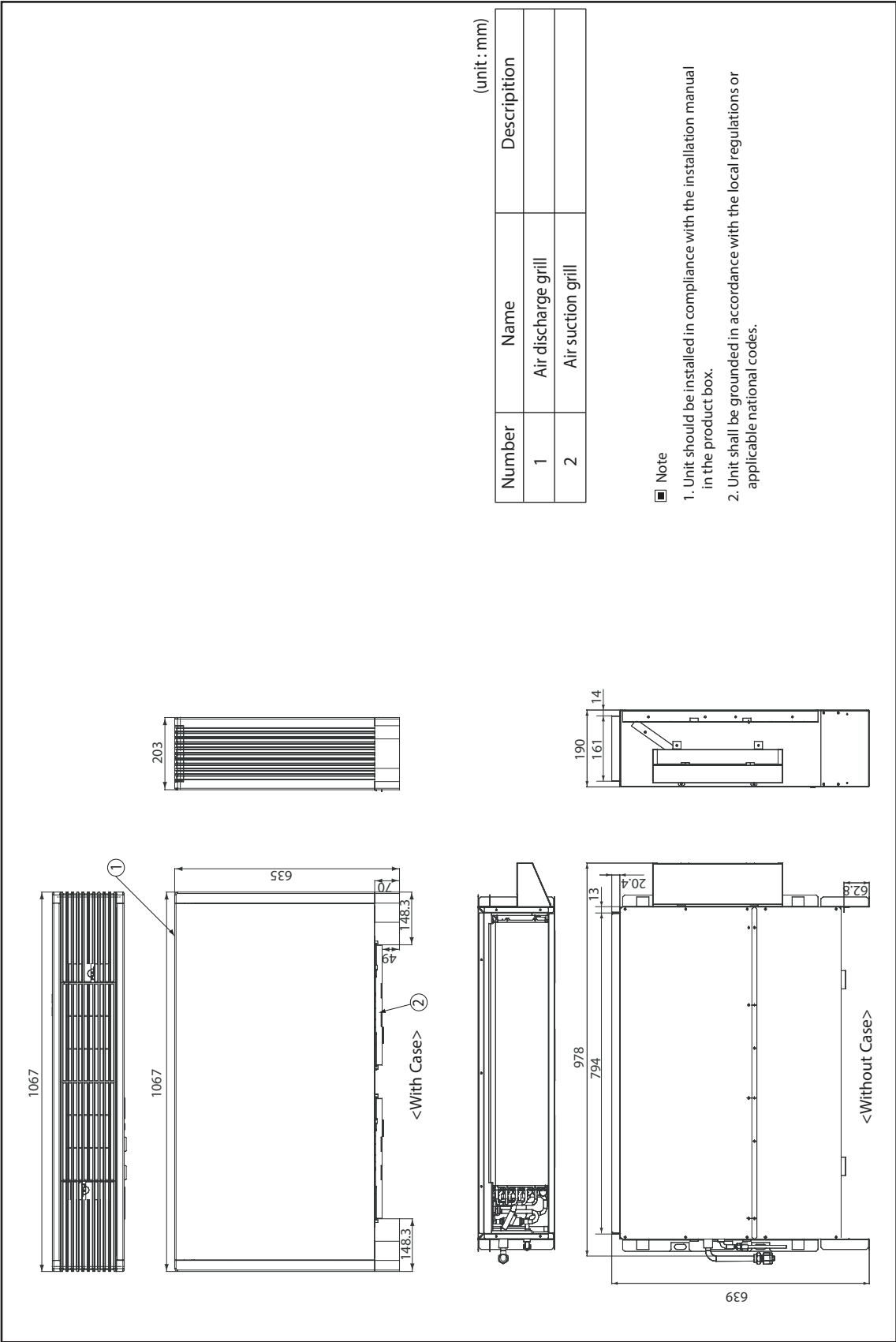
### Note

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 reverberation rooms by ISO 3741 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 : Indoot Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - Heating : Indoot 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 Zero.



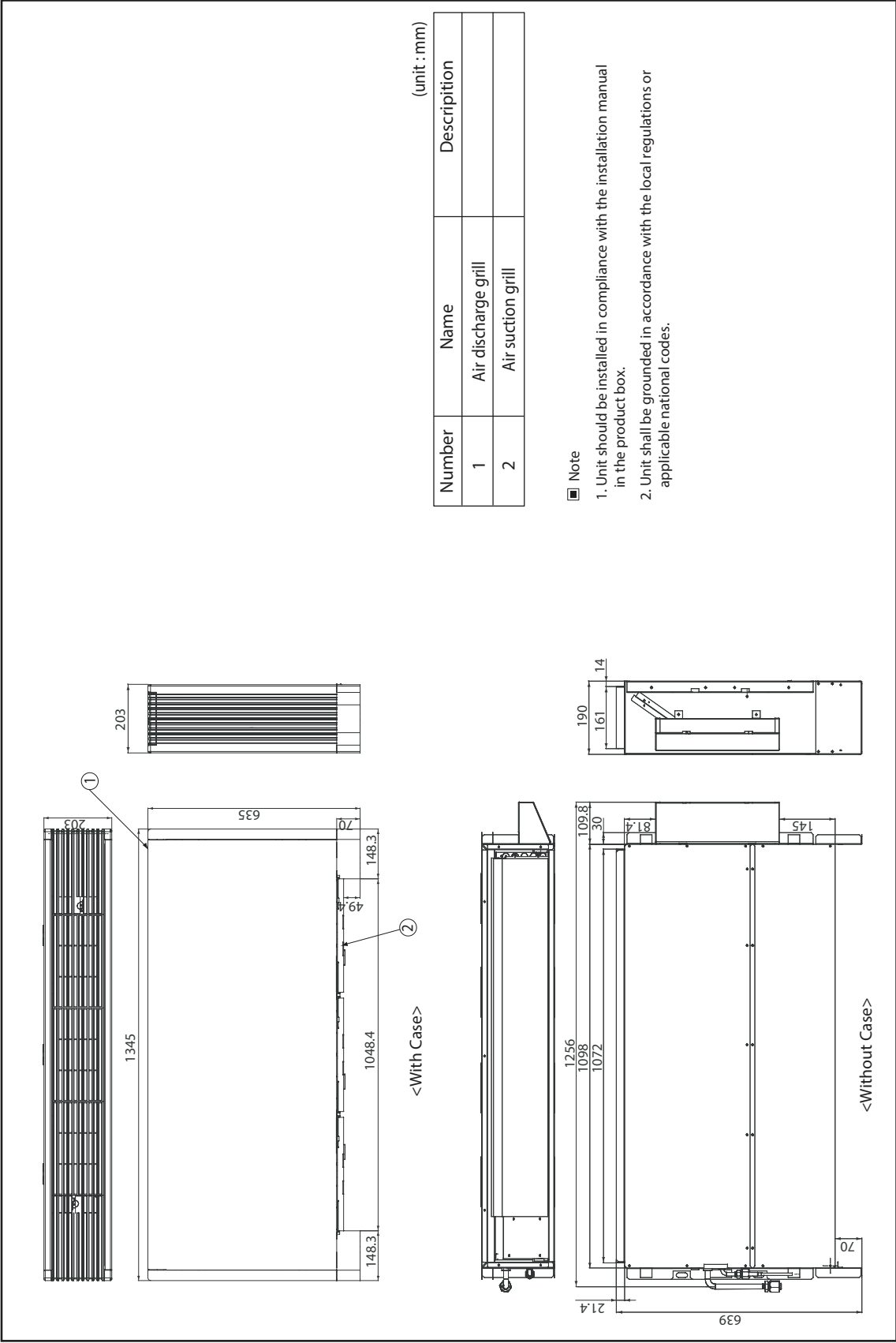
### 3. Dimensions

ARNU07GCEA4 / ARNU09GCEA4 / ARNU12GCEA4 / ARNU15GCEA4  
ARNU07GCEU4 / ARNU09GCEU4 / ARNU12GCEU4 / ARNU15GCEU4

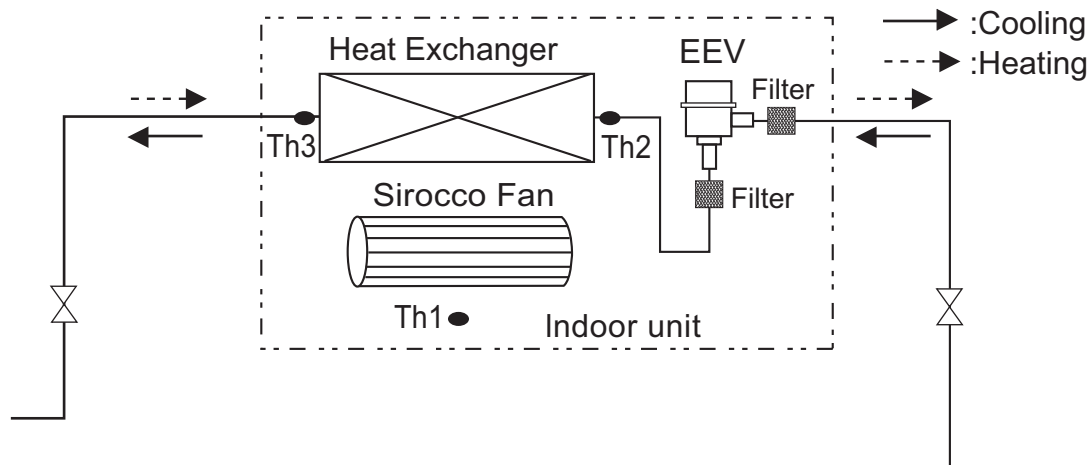


3. Dimensions

ARNU18GCFA4 / ARNU24GCFA4 / ARNU18GCFU4 / ARNU24GCFU4



## 4. Piping Diagrams



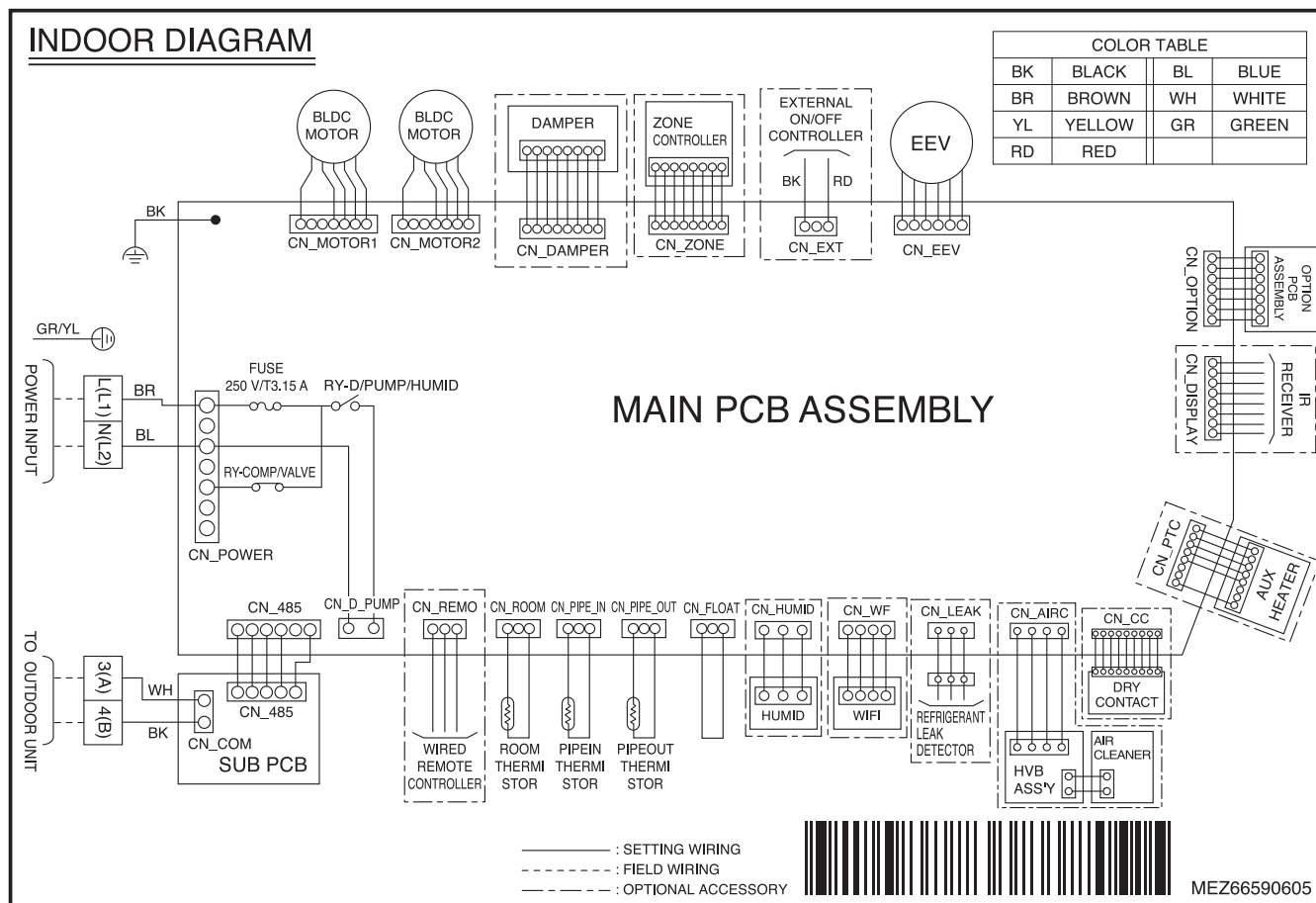
### ◆ Refrigerant pipe connection port diameter

| Model       | Gas<br>[mm(inch)] | Liquid<br>[mm(inch)] |
|-------------|-------------------|----------------------|
| ARNU07GCEA4 | Ø12.7(1/2)        | Ø6.35(1/4)           |
| ARNU07GCEU4 |                   |                      |
| ARNU09GCEA4 |                   |                      |
| ARNU09GCEU4 |                   |                      |
| ARNU12GCEA4 | Ø12.7(1/2)        | Ø6.35(1/4)           |
| ARNU12GCEU4 |                   |                      |
| ARNU15GCEA4 |                   |                      |
| ARNU15GCEU4 |                   |                      |
| ARNU18GCFA4 | Ø12.7(1/2)        | Ø6.35(1/4)           |
| ARNU18GCFU4 |                   |                      |
| ARNU24GCFA4 |                   |                      |
| ARNU24GCFU4 |                   |                      |
|             | Ø15.88(5/8)       | Ø9.52(3/8)           |

| LOC. | Description                         | PCB Connector (Color) |
|------|-------------------------------------|-----------------------|
| Th1  | Thermistor for room air temperature | CN-ROOM (Yellow)      |
| Th2  | Thermistor for pipe in temperature  | CN-PIPE_IN (White)    |
| Th3  | Thermistor for pipe out temperature | CN-PIPE_OUT (Red)     |

## 5. Wiring Diagrams

### ■ CE/CF Chassis



| CONNECTOR NUMBER | SPEC.                 | DESCRIPTION                               |
|------------------|-----------------------|-------------------------------------------|
| CN-POWER         | AC power supply       | AC Power line input for indoor controller |
| CN-MOTOR1        | Fan motor output      | Motor output of BLDC                      |
| CN-MOTOR2        | Fan motor output      | Motor output of BLDC                      |
| CN-COMM          | Communication         | Communication between indoor and outdoor  |
| CN-EEV           | Float switch input    | EEV Control output                        |
| CN-PIPE_IN       | Suction pipe sensor   | Pipe in thermistor                        |
| CN-PIPE_OUT      | Discharge pipe sensor | Pipe out thermistor                       |
| CN-ROOM          | Room sensor           | Room thermistor                           |
| CN-REMO          | Remote controller     | Remote control line                       |
| CN-OPTION        | Option PCB            | Communication between main and option     |
| CN-ZONE          | Zone controller       | Zone control line                         |
| CN-DISPLAY       | RF Remote controller  | RF Remote control line                    |
| CN-CC            | Dry contact           | Dry contact line                          |
| CN-EXT           | External On/Off       | External On/Off signal input              |

## 5. Wiring Diagrams

|     | Function                 | Description                     | Setting Off                                                                 | Setting On        | Default |
|-----|--------------------------|---------------------------------|-----------------------------------------------------------------------------|-------------------|---------|
| SW1 | Communication            | N/A (Default)                   | -                                                                           | -                 | Off     |
| SW2 | Cycle                    | N/A (Default)                   | -                                                                           | -                 | Off     |
| SW3 | Group Control            | Selection of Master or Slave    | Master                                                                      | Slave             | Off     |
| SW4 | Dry Contact Mode         | Selection of Dry Contact Mode   | Wired/Wireless remote controller selection of Manual or Auto operation Mode | Auto              | Off     |
| SW5 | Installation             | Fan continuous operation        | Continuous operation Removal                                                | -                 | Off     |
| SW6 | Heater linkage           | N/A                             | -                                                                           | -                 | Off     |
| SW7 | Ventilator linkage       | Selection of Ventilator linkage | Linkage Removal                                                             | Working           | Off     |
|     | Vane selection (Console) | Selection of up/down side Vane  | Up side + Down side Vane                                                    | Up side Vane Only |         |
|     | Region selection         | Selection tropical region       | General model                                                               | Tropical model    |         |
| SW8 | Etc.                     | Spare                           | -                                                                           | -                 | Off     |



### CAUTION

For Multi V Model, Dip Switch 1,2,6,8 must be set OFF.

## 6. Capacity Tables

### 6.1 Cooling Capacity

| Capacity Index | Outdoor air temp.<br>(DB, °C) | Indoor air temp. (DB/WB, °C) |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------------|-------------------------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                |                               | 20                           |     | 23  |     | 26  |     | 27  |     | 28  |     | 30  |     | 32  |     |
|                |                               | 14                           |     | 16  |     | 18  |     | 19  |     | 20  |     | 22  |     | 24  |     |
|                |                               | TC                           | SHC | TC  | SHC | TC  | SHC | TC  | SHC | TC  | SHC | TC  | SHC | TC  | SHC |
| 2.2            | 10                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.9 | 1.7 |
|                | 12                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.9 | 1.6 |
|                | 14                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.8 | 1.6 |
|                | 16                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.8 | 1.6 |
|                | 18                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.7 | 1.6 |
|                | 20                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.7 | 1.6 |
|                | 21                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.7 | 1.5 |
|                | 23                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.6 | 1.5 |
|                | 25                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.6 | 1.7 | 2.6 | 1.5 |
|                | 27                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.5 | 1.6 | 2.6 | 1.5 |
|                | 29                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.5 | 1.6 | 2.5 | 1.5 |
|                | 31                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.5 | 1.6 | 2.5 | 1.4 |
|                | 33                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.4 | 1.5 | 2.5 | 1.4 |
|                | 35                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.4 | 1.5 | 2.4 | 1.4 |
| 2.8            | 37                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.6 | 2.3 | 1.5 | 2.4 | 1.4 |
|                | 39                            | 1.5                          | 1.3 | 1.8 | 1.4 | 2.1 | 1.5 | 2.2 | 1.6 | 2.2 | 1.5 | 2.3 | 1.5 | 2.3 | 1.4 |
|                | 10                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.7 | 2.2 |
|                | 12                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.6 | 2.1 |
|                | 14                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.6 | 2.1 |
|                | 16                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.5 | 2.1 |
|                | 18                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.5 | 2.1 |
|                | 20                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.4 | 2.0 |
|                | 21                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.4 | 2.0 |
|                | 23                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.4 | 2.2 | 3.4 | 2.0 |
|                | 25                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.3 | 2.2 | 3.3 | 2.0 |
|                | 27                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.2 | 2.1 | 3.3 | 1.9 |
|                | 29                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.2 | 2.1 | 3.2 | 1.9 |
|                | 31                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.1 | 2.1 | 3.2 | 1.9 |
| 3.6            | 33                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.1 | 2.0 | 3.1 | 1.9 |
|                | 35                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 3.0 | 2.1 | 3.0 | 2.0 | 3.1 | 1.8 |
|                | 37                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 2.9 | 2.1 | 3.0 | 1.9 | 3.0 | 1.8 |
|                | 39                            | 1.9                          | 1.7 | 2.3 | 1.9 | 2.6 | 2.0 | 2.8 | 2.0 | 2.9 | 2.0 | 2.9 | 1.9 | 3.0 | 1.8 |
|                | 10                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.7 | 2.8 |
|                | 12                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.7 | 2.8 |
|                | 14                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.6 | 2.8 |
|                | 16                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.6 | 2.7 |
|                | 18                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.5 | 2.7 |
|                | 20                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.4 | 2.7 |
|                | 21                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.4 | 2.6 |
|                | 23                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.3 | 2.9 | 4.3 | 2.6 |
|                | 25                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.2 | 2.8 | 4.3 | 2.6 |
|                | 27                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.1 | 2.8 | 4.2 | 2.5 |
|                | 29                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.1 | 2.7 | 4.2 | 2.5 |
| 4.5            | 31                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.0 | 2.7 | 4.1 | 2.5 |
|                | 33                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.0 | 2.6 | 4.0 | 2.4 |
|                | 35                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 3.9 | 2.6 | 4.0 | 2.4 |
|                | 37                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.7 | 2.7 | 3.8 | 2.5 | 3.9 | 2.3 |
|                | 39                            | 2.4                          | 2.2 | 2.9 | 2.4 | 3.4 | 2.6 | 3.6 | 2.7 | 3.7 | 2.6 | 3.7 | 2.5 | 3.8 | 2.3 |
|                | 10                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.9 | 3.5 |
|                | 12                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.8 | 3.5 |
|                | 14                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.8 | 3.4 |
|                | 16                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.7 | 3.4 |
|                | 18                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.6 | 3.4 |
|                | 20                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.5 | 3.3 |
|                | 21                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.5 | 3.3 |
|                | 23                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.4 | 3.6 | 5.4 | 3.2 |
|                | 25                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.3 | 3.5 | 5.3 | 3.2 |
|                | 27                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.2 | 3.4 | 5.3 | 3.2 |
|                | 29                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.1 | 3.4 | 5.2 | 3.1 |
|                | 31                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 5.1 | 3.3 | 5.1 | 3.0 |
|                | 33                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 4.9 | 3.3 | 5.0 | 3.0 |
|                | 35                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.8 | 3.4 | 4.9 | 3.2 | 4.9 | 3.0 |
|                | 37                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 4.8 | 3.2 | 4.9 | 2.9 |
|                | 39                            | 3.0                          | 2.7 | 3.6 | 3.0 | 4.2 | 3.2 | 4.5 | 3.3 | 4.6 | 3.2 | 4.7 | 3.1 | 4.8 | 2.8 |

## 6. Capacity Tables

| Capacity Index | Outdoor air temp.<br>(DB, °C) | Indoor air temp. (DB/WB, °C) |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------------|-------------------------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                |                               | 20                           |     | 23  |     | 26  |     | 27  |     | 28  |     | 30  |     | 32  |     |
|                |                               | 14                           |     | 16  |     | 18  |     | 19  |     | 20  |     | 22  |     | 24  |     |
|                |                               | TC                           | SHC | TC  | SHC | TC  | SHC | TC  | SHC | TC  | SHC | TC  | SHC | TC  | SHC |
| 5.6            | 10                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 7.4 | 4.3 |
|                | 12                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 7.3 | 4.2 |
|                | 14                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 7.2 | 4.2 |
|                | 16                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 7.1 | 4.1 |
|                | 18                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 7.0 | 4.1 |
|                | 20                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 6.9 | 4.0 |
|                | 21                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 6.8 | 4.0 |
|                | 23                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.7 | 4.3 | 6.7 | 3.9 |
|                | 25                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.6 | 4.3 | 6.6 | 3.9 |
|                | 27                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.4 | 4.2 | 6.6 | 3.8 |
|                | 29                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.4 | 4.1 | 6.5 | 3.8 |
|                | 31                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.3 | 4.1 | 6.4 | 3.7 |
|                | 33                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.2 | 4.0 | 6.3 | 3.7 |
|                | 35                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 6.0 | 4.2 | 6.0 | 3.9 | 6.2 | 3.6 |
|                | 37                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 5.8 | 4.1 | 5.9 | 3.8 | 6.1 | 3.6 |
|                | 39                            | 3.8                          | 3.3 | 4.5 | 3.7 | 5.2 | 4.0 | 5.6 | 4.0 | 5.7 | 4.0 | 5.8 | 3.8 | 6.0 | 3.5 |
| 7.1            | 10                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 9.3 | 5.4 |
|                | 12                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 9.2 | 5.3 |
|                | 14                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 9.1 | 5.2 |
|                | 16                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 9.0 | 5.2 |
|                | 18                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 8.8 | 5.1 |
|                | 20                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 8.7 | 5.0 |
|                | 21                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 8.7 | 5.0 |
|                | 23                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.5 | 5.4 | 8.5 | 4.9 |
|                | 25                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.4 | 5.4 | 8.4 | 4.8 |
|                | 27                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.2 | 5.2 | 8.3 | 4.8 |
|                | 29                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.1 | 5.2 | 8.2 | 4.7 |
|                | 31                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 8.0 | 5.1 | 8.1 | 4.6 |
|                | 33                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 7.8 | 5.0 | 7.9 | 4.6 |
|                | 35                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.6 | 5.2 | 7.7 | 4.9 | 7.8 | 4.5 |
|                | 37                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.4 | 5.1 | 7.5 | 4.8 | 7.7 | 4.4 |
|                | 39                            | 4.8                          | 4.1 | 5.7 | 4.6 | 6.6 | 5.0 | 7.1 | 5.0 | 7.2 | 5.0 | 7.4 | 4.7 | 7.6 | 4.4 |

### Note

1. TC: Total Capacity(kW), SHC: Sensible Heat Capacity(kW)
2. Capacity tables show the average value of conditions which may occur.
3. Refer to Capacity tables and correction factor in the outdoor unit PDB for the actual performance data of each indoor unit and outdoor unit combination.

## 6. Capacity Tables

### 6.2 Heating Capacity

| Capacity Index | Outdoor air temp. |        | Indoor air temp. (DB, °C) |          |          |          |          |          |
|----------------|-------------------|--------|---------------------------|----------|----------|----------|----------|----------|
|                | DB(°C)            | WB(°C) | 16                        | 18       | 20       | 21       | 22       | 24       |
|                |                   |        | TC<br>kW                  | TC<br>kW | TC<br>kW | TC<br>kW | TC<br>kW | TC<br>kW |
| 2.2            | -24.8             | -25.0  | 1.4                       | 1.4      | 1.4      | 1.4      | 1.4      | 1.4      |
|                | -21.8             | -22.0  | 1.7                       | 1.7      | 1.7      | 1.7      | 1.7      | 1.7      |
|                | -19.8             | -20.0  | 1.8                       | 1.8      | 1.8      | 1.8      | 1.8      | 1.8      |
|                | -18.8             | -19.0  | 1.9                       | 1.9      | 1.9      | 1.9      | 1.9      | 1.9      |
|                | -16.7             | -17.0  | 2.0                       | 2.0      | 2.0      | 2.0      | 2.0      | 2.0      |
|                | -14.7             | -15.0  | 2.1                       | 2.1      | 2.1      | 2.1      | 2.1      | 2.0      |
|                | -12.6             | -13.0  | 2.2                       | 2.2      | 2.2      | 2.2      | 2.1      | 2.1      |
|                | -10.5             | -11.0  | 2.3                       | 2.3      | 2.2      | 2.2      | 2.2      | 2.2      |
|                | -9.5              | -10.0  | 2.3                       | 2.3      | 2.3      | 2.3      | 2.3      | 2.2      |
|                | -8.5              | -9.1   | 2.3                       | 2.3      | 2.3      | 2.3      | 2.3      | 2.2      |
|                | -7.0              | -7.6   | 2.4                       | 2.4      | 2.4      | 2.4      | 2.3      | 2.2      |
|                | -5.0              | -5.6   | 2.5                       | 2.5      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | -3.0              | -3.7   | 2.6                       | 2.6      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | 0.0               | -0.7   | 2.7                       | 2.6      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | 3.0               | 2.2    | 2.7                       | 2.7      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | 5.0               | 4.1    | 2.8                       | 2.7      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | 7.0               | 6.0    | 2.8                       | 2.7      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | 9.0               | 7.9    | 2.8                       | 2.7      | 2.5      | 2.4      | 2.3      | 2.2      |
| 2.8            | 11.0              | 9.8    | 2.8                       | 2.7      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | 13.0              | 11.8   | 2.8                       | 2.7      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | 15.0              | 13.7   | 2.8                       | 2.7      | 2.5      | 2.4      | 2.3      | 2.2      |
|                | -24.8             | -25.0  | 1.9                       | 1.9      | 1.8      | 1.8      | 1.8      | 1.8      |
|                | -21.8             | -22.0  | 2.2                       | 2.2      | 2.2      | 2.2      | 2.2      | 2.2      |
|                | -19.8             | -20.0  | 2.4                       | 2.4      | 2.3      | 2.3      | 2.3      | 2.3      |
|                | -18.8             | -19.0  | 2.4                       | 2.4      | 2.4      | 2.4      | 2.4      | 2.4      |
|                | -16.7             | -17.0  | 2.5                       | 2.5      | 2.5      | 2.5      | 2.5      | 2.5      |
|                | -14.7             | -15.0  | 2.7                       | 2.7      | 2.6      | 2.6      | 2.6      | 2.6      |
|                | -12.6             | -13.0  | 2.8                       | 2.8      | 2.8      | 2.8      | 2.7      | 2.7      |
|                | -10.5             | -11.0  | 2.9                       | 2.9      | 2.9      | 2.9      | 2.9      | 2.8      |
|                | -9.5              | -10.0  | 3.0                       | 3.0      | 2.9      | 2.9      | 2.9      | 2.8      |
|                | -8.5              | -9.1   | 3.0                       | 3.0      | 3.0      | 3.0      | 3.0      | 2.8      |
|                | -7.0              | -7.6   | 3.1                       | 3.1      | 3.1      | 3.1      | 3.0      | 2.8      |
|                | -5.0              | -5.6   | 3.2                       | 3.2      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | -3.0              | -3.7   | 3.4                       | 3.3      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | 0.0               | -0.7   | 3.4                       | 3.3      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | 3.0               | 2.2    | 3.5                       | 3.4      | 3.2      | 3.1      | 3.0      | 2.8      |
| 3.6            | 5.0               | 4.1    | 3.6                       | 3.4      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | 7.0               | 6.0    | 3.6                       | 3.4      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | 9.0               | 7.9    | 3.6                       | 3.4      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | 11.0              | 9.8    | 3.6                       | 3.4      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | 13.0              | 11.8   | 3.6                       | 3.4      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | 15.0              | 13.7   | 3.6                       | 3.4      | 3.2      | 3.1      | 3.0      | 2.8      |
|                | -24.8             | -25.0  | 2.3                       | 2.3      | 2.3      | 2.3      | 2.3      | 2.3      |
|                | -21.8             | -22.0  | 2.8                       | 2.8      | 2.8      | 2.8      | 2.8      | 2.8      |
|                | -19.8             | -20.0  | 2.9                       | 2.9      | 2.9      | 2.9      | 2.9      | 2.9      |
|                | -18.8             | -19.0  | 3.0                       | 3.0      | 3.0      | 3.0      | 3.0      | 3.0      |
|                | -16.7             | -17.0  | 3.1                       | 3.1      | 3.1      | 3.1      | 3.1      | 3.1      |
|                | -14.7             | -15.0  | 3.3                       | 3.3      | 3.3      | 3.3      | 3.3      | 3.3      |
|                | -12.6             | -13.0  | 3.5                       | 3.4      | 3.4      | 3.4      | 3.4      | 3.4      |
|                | -10.5             | -11.0  | 3.6                       | 3.6      | 3.6      | 3.6      | 3.6      | 3.5      |
|                | -9.5              | -10.0  | 3.7                       | 3.7      | 3.7      | 3.7      | 3.7      | 3.5      |
|                | -8.5              | -9.1   | 3.8                       | 3.8      | 3.7      | 3.7      | 3.7      | 3.5      |
|                | -7.0              | -7.6   | 3.9                       | 3.9      | 3.9      | 3.8      | 3.7      | 3.5      |
|                | -5.0              | -5.6   | 4.0                       | 4.0      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | -3.0              | -3.7   | 4.2                       | 4.1      | 4.0      | 3.9      | 3.7      | 3.5      |
| 3.6            | 0.0               | -0.7   | 4.3                       | 4.1      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | 3.0               | 2.2    | 4.4                       | 4.3      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | 5.0               | 4.1    | 4.5                       | 4.3      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | 7.0               | 6.0    | 4.5                       | 4.3      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | 9.0               | 7.9    | 4.5                       | 4.3      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | 11.0              | 9.8    | 4.5                       | 4.3      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | 13.0              | 11.8   | 4.5                       | 4.3      | 4.0      | 3.9      | 3.7      | 3.5      |
|                | 15.0              | 13.7   | 4.5                       | 4.3      | 4.0      | 3.9      | 3.7      | 3.5      |



## 6. Capacity Tables

| Capacity Index | Outdoor air temp. |        | Indoor air temp. (DB, °C) |          |          |          |          |          |
|----------------|-------------------|--------|---------------------------|----------|----------|----------|----------|----------|
|                | DB(°C)            | WB(°C) | 16                        | 18       | 20       | 21       | 22       | 24       |
|                |                   |        | TC<br>kW                  | TC<br>kW | TC<br>kW | TC<br>kW | TC<br>kW | TC<br>kW |
| 4.5            | -24.8             | -25.0  | 2.9                       | 2.9      | 2.9      | 2.9      | 2.9      | 2.9      |
|                | -21.8             | -22.0  | 3.5                       | 3.5      | 3.5      | 3.5      | 3.5      | 3.5      |
|                | -19.8             | -20.0  | 3.7                       | 3.7      | 3.7      | 3.7      | 3.7      | 3.6      |
|                | -18.8             | -19.0  | 3.8                       | 3.7      | 3.7      | 3.7      | 3.7      | 3.7      |
|                | -16.7             | -17.0  | 3.9                       | 3.9      | 3.9      | 3.9      | 3.9      | 3.9      |
|                | -14.7             | -15.0  | 4.1                       | 4.1      | 4.1      | 4.1      | 4.1      | 4.1      |
|                | -12.6             | -13.0  | 4.3                       | 4.3      | 4.3      | 4.3      | 4.3      | 4.3      |
|                | -10.5             | -11.0  | 4.5                       | 4.5      | 4.5      | 4.5      | 4.5      | 4.4      |
|                | -9.5              | -10.0  | 4.6                       | 4.6      | 4.6      | 4.6      | 4.6      | 4.4      |
|                | -8.5              | -9.1   | 4.7                       | 4.7      | 4.7      | 4.7      | 4.7      | 4.4      |
|                | -7.0              | -7.6   | 4.8                       | 4.8      | 4.8      | 4.8      | 4.7      | 4.4      |
|                | -5.0              | -5.6   | 5.0                       | 5.0      | 5.0      | 4.8      | 4.7      | 4.4      |
|                | -3.0              | -3.7   | 5.3                       | 5.1      | 5.0      | 4.8      | 4.7      | 4.4      |
|                | 0.0               | -0.7   | 5.3                       | 5.2      | 5.0      | 4.8      | 4.7      | 4.4      |
|                | 3.0               | 2.2    | 5.5                       | 5.3      | 5.0      | 4.8      | 4.7      | 4.4      |
|                | 5.0               | 4.1    | 5.6                       | 5.3      | 5.0      | 4.8      | 4.7      | 4.4      |
|                | 7.0               | 6.0    | 5.6                       | 5.3      | 5.0      | 4.8      | 4.7      | 4.4      |
|                | 9.0               | 7.9    | 5.6                       | 5.3      | 5.0      | 4.8      | 4.7      | 4.4      |
| 5.6            | -24.8             | -25.0  | 3.6                       | 3.6      | 3.6      | 3.6      | 3.6      | 3.6      |
|                | -21.8             | -22.0  | 4.4                       | 4.4      | 4.4      | 4.4      | 4.4      | 4.4      |
|                | -19.8             | -20.0  | 4.6                       | 4.6      | 4.6      | 4.6      | 4.6      | 4.6      |
|                | -18.8             | -19.0  | 4.8                       | 4.7      | 4.7      | 4.7      | 4.7      | 4.7      |
|                | -16.7             | -17.0  | 5.0                       | 5.0      | 5.0      | 4.9      | 4.9      | 4.9      |
|                | -14.7             | -15.0  | 5.2                       | 5.2      | 5.2      | 5.2      | 5.2      | 5.2      |
|                | -12.6             | -13.0  | 5.5                       | 5.4      | 5.4      | 5.4      | 5.4      | 5.4      |
|                | -10.5             | -11.0  | 5.7                       | 5.7      | 5.7      | 5.7      | 5.7      | 5.5      |
|                | -9.5              | -10.0  | 5.8                       | 5.8      | 5.8      | 5.8      | 5.8      | 5.5      |
|                | -8.5              | -9.1   | 5.9                       | 5.9      | 5.9      | 5.9      | 5.9      | 5.5      |
|                | -7.0              | -7.6   | 6.1                       | 6.1      | 6.1      | 6.0      | 5.9      | 5.5      |
|                | -5.0              | -5.6   | 6.3                       | 6.3      | 6.3      | 6.1      | 5.9      | 5.5      |
|                | -3.0              | -3.7   | 6.6                       | 6.5      | 6.3      | 6.1      | 5.9      | 5.5      |
|                | 0.0               | -0.7   | 6.7                       | 6.5      | 6.3      | 6.1      | 5.9      | 5.5      |
|                | 3.0               | 2.2    | 6.9                       | 6.7      | 6.3      | 6.1      | 5.9      | 5.5      |
|                | 5.0               | 4.1    | 7.0                       | 6.7      | 6.3      | 6.1      | 5.9      | 5.5      |
|                | 7.0               | 6.0    | 7.1                       | 6.7      | 6.3      | 6.1      | 5.9      | 5.5      |
|                | 9.0               | 7.9    | 7.1                       | 6.7      | 6.3      | 6.1      | 5.9      | 5.5      |
| 7.1            | -24.8             | -25.0  | 4.6                       | 4.6      | 4.6      | 4.6      | 4.6      | 4.6      |
|                | -21.8             | -22.0  | 5.6                       | 5.6      | 5.6      | 5.6      | 5.6      | 5.5      |
|                | -19.8             | -20.0  | 5.9                       | 5.9      | 5.9      | 5.9      | 5.9      | 5.8      |
|                | -18.8             | -19.0  | 6.0                       | 6.0      | 6.0      | 6.0      | 6.0      | 6.0      |
|                | -16.7             | -17.0  | 6.3                       | 6.3      | 6.3      | 6.3      | 6.3      | 6.3      |
|                | -14.7             | -15.0  | 6.6                       | 6.6      | 6.6      | 6.6      | 6.6      | 6.6      |
|                | -12.6             | -13.0  | 6.9                       | 6.9      | 6.9      | 6.9      | 6.9      | 6.9      |
|                | -10.5             | -11.0  | 7.2                       | 7.2      | 7.2      | 7.2      | 7.2      | 7.0      |
|                | -9.5              | -10.0  | 7.4                       | 7.4      | 7.3      | 7.3      | 7.3      | 7.0      |
|                | -8.5              | -9.1   | 7.5                       | 7.5      | 7.5      | 7.5      | 7.5      | 7.0      |
|                | -7.0              | -7.6   | 7.7                       | 7.7      | 7.7      | 7.7      | 7.5      | 7.0      |
|                | -5.0              | -5.6   | 8.0                       | 8.0      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | -3.0              | -3.7   | 8.4                       | 8.2      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 0.0               | -0.7   | 8.6                       | 8.3      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 3.0               | 2.2    | 8.8                       | 8.5      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 5.0               | 4.1    | 8.9                       | 8.5      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 7.0               | 6.0    | 9.0                       | 8.5      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 9.0               | 7.9    | 9.0                       | 8.5      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 11.0              | 9.8    | 9.0                       | 8.5      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 13.0              | 11.8   | 9.0                       | 8.5      | 8.0      | 7.7      | 7.5      | 7.0      |
|                | 15.0              | 13.7   | 9.0                       | 8.5      | 8.0      | 7.7      | 7.5      | 7.0      |

## 6. Capacity Tables

---

### **Note**

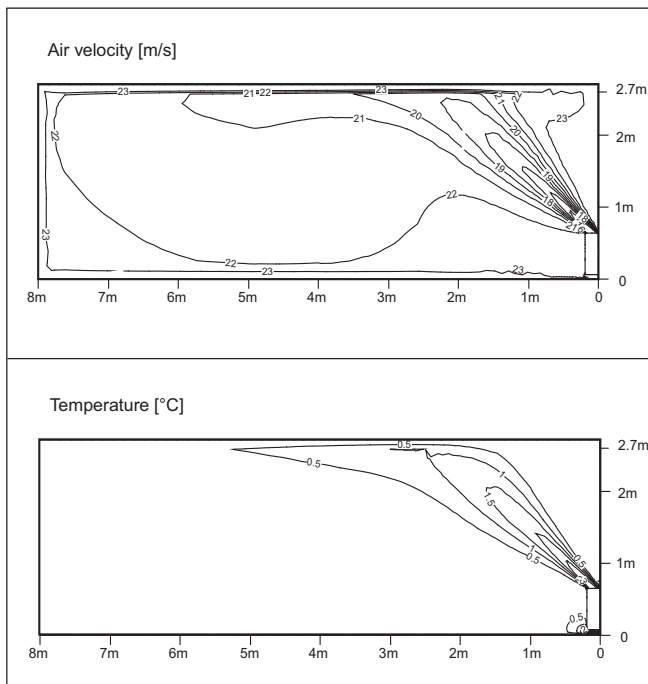
1. TC: Total Capacity(kW)
  2. Capacity tables show the average value of conditions which may occur.
  3. In the range beyond the operation limit of the outdoor unit, continuous operation and performance can not be guaranteed. When selecting the outdoor units, avoid the air temperature range that is not guaranteed continuous operation.
  4. In accordance with operation limits of outdoor unit, applicable range of capacity tables is different.
  5. Refer to Capacity tables and correction factor in the outdoor unit PDB for the actual performance data of each indoor unit and outdoor unit combination.
-

## 7. Air Velocity and Temperature Distribution

### ◆ ARNU07GCEA4 /ARNU07GCEU4

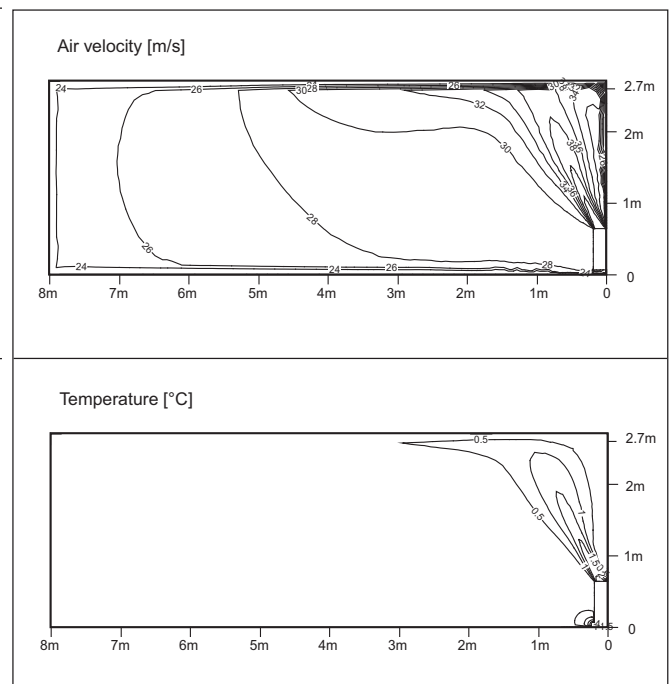
#### Cooling

Discharge angle:45°



#### Heating

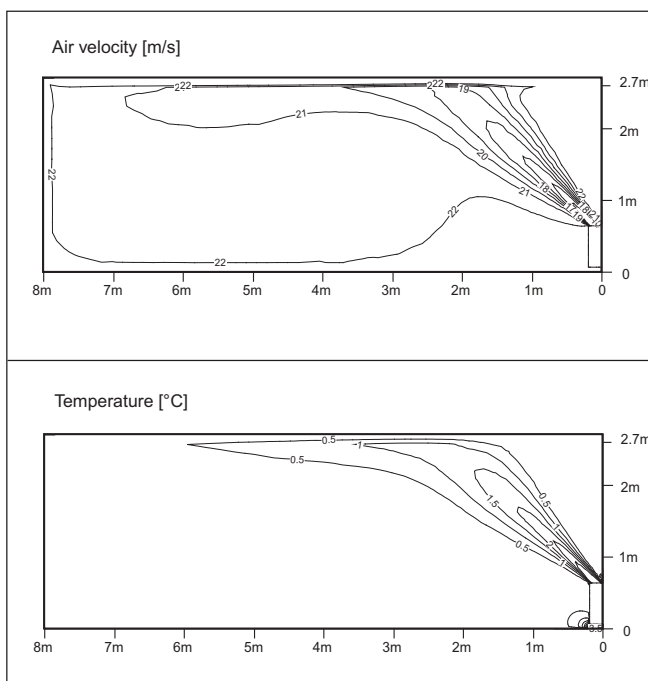
Discharge angle:60°



### ◆ ARNU09GCEA4 /ARNU09GCEU4

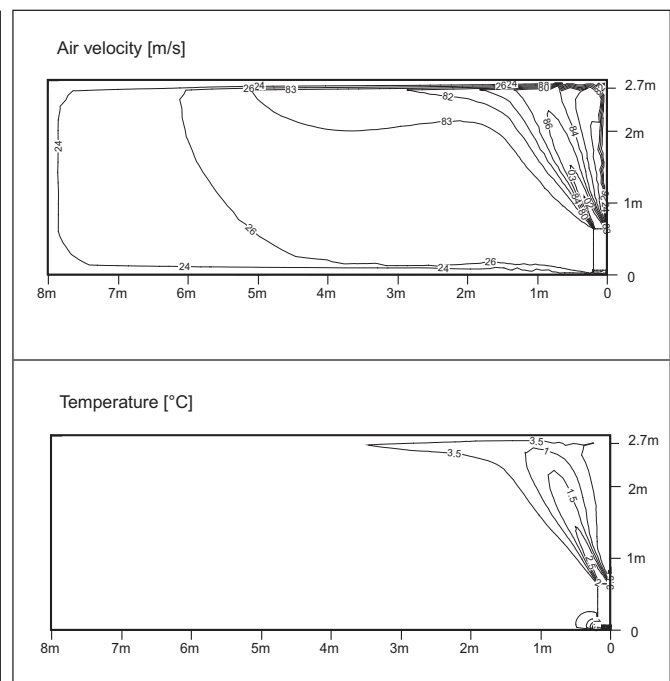
#### Cooling

Discharge angle:45°



#### Heating

Discharge angle:60°

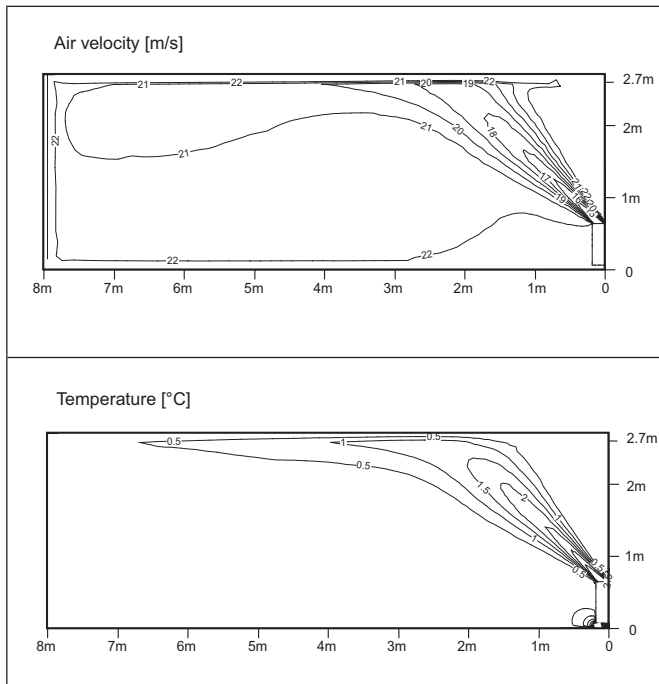


## 7. Air Velocity and Temperature Distribution

### ◆ ARNU12GCEA4 /ARNU12GCEU4

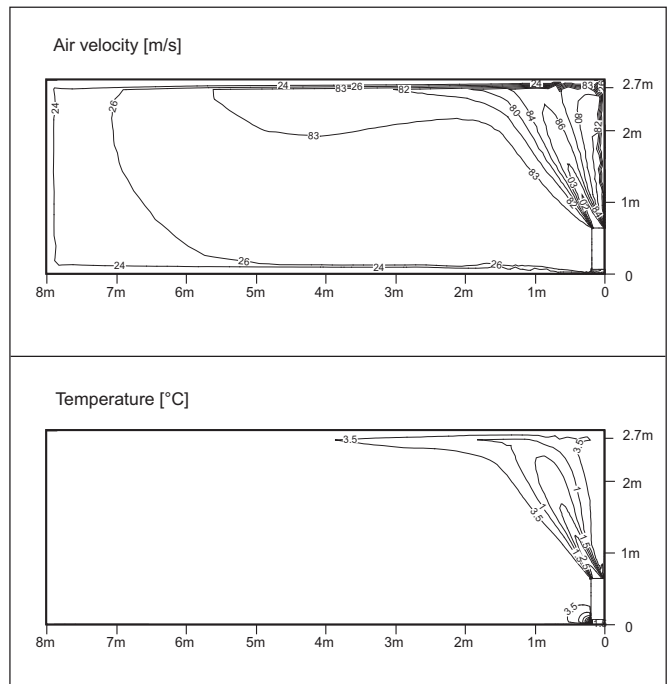
#### Cooling

Discharge angle:45°



#### Heating

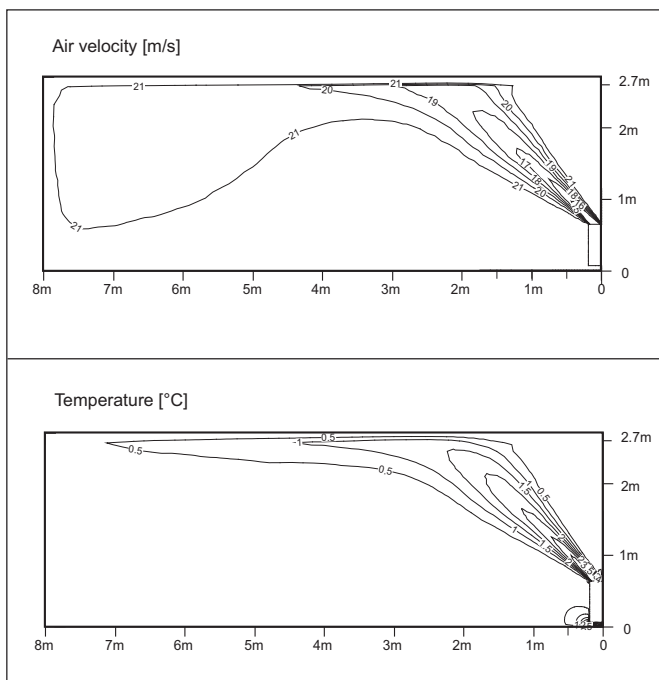
Discharge angle:60°



### ◆ ARNU15GCEA4 /ARNU15GCEU4

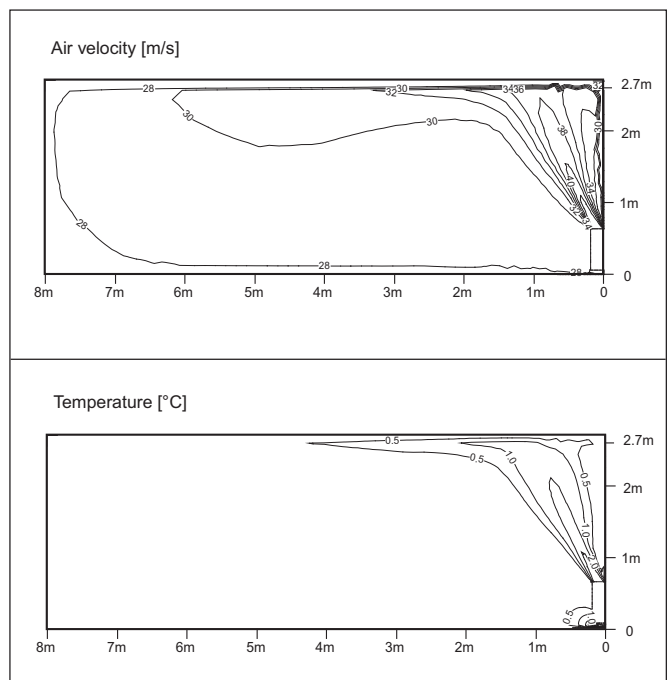
#### Cooling

Discharge angle:45°



#### Heating

Discharge angle:60°

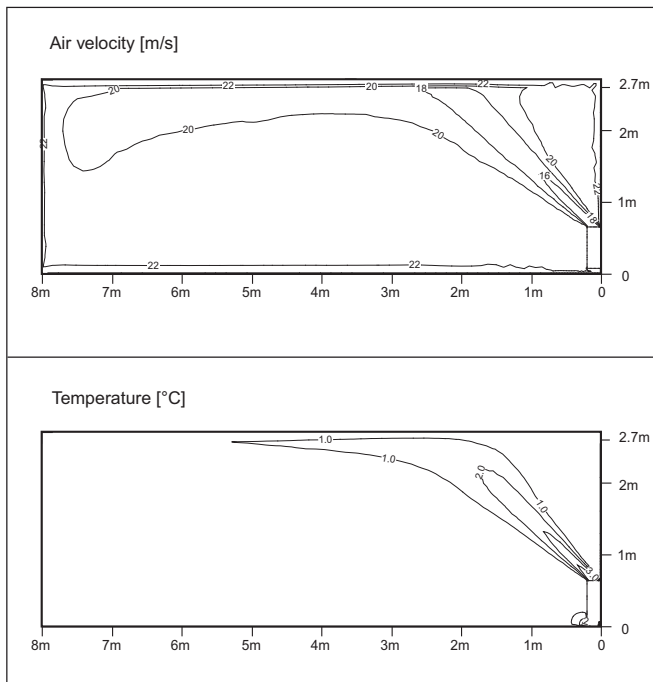


## 7. Air Velocity and Temperature Distribution

### ◆ ARNU18GCFA4 / ARNU18GCFU4

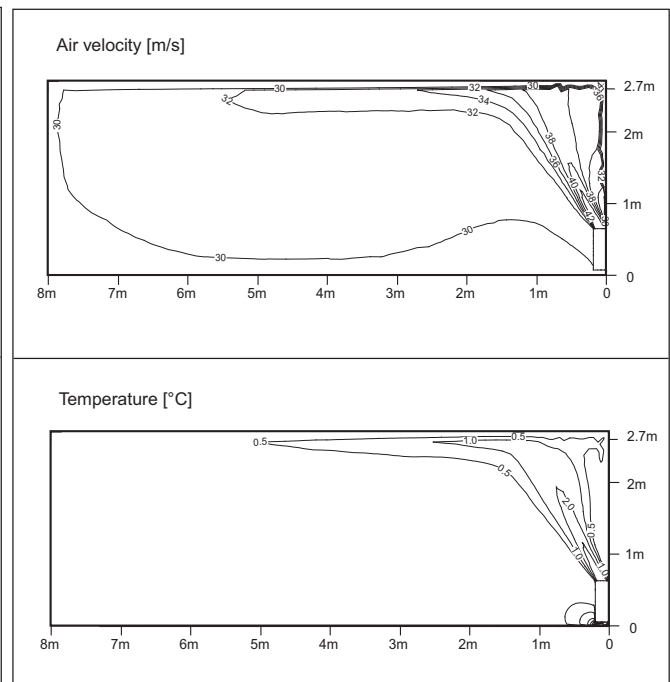
#### Cooling

Discharge angle: 45°



#### Heating

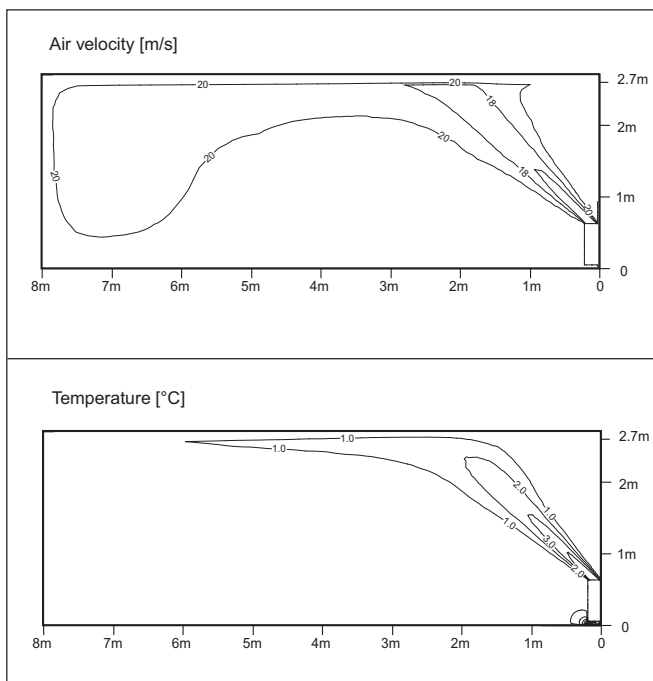
Discharge angle: 60°



### ◆ ARNU24GCFA4/ARNU24GCFU4

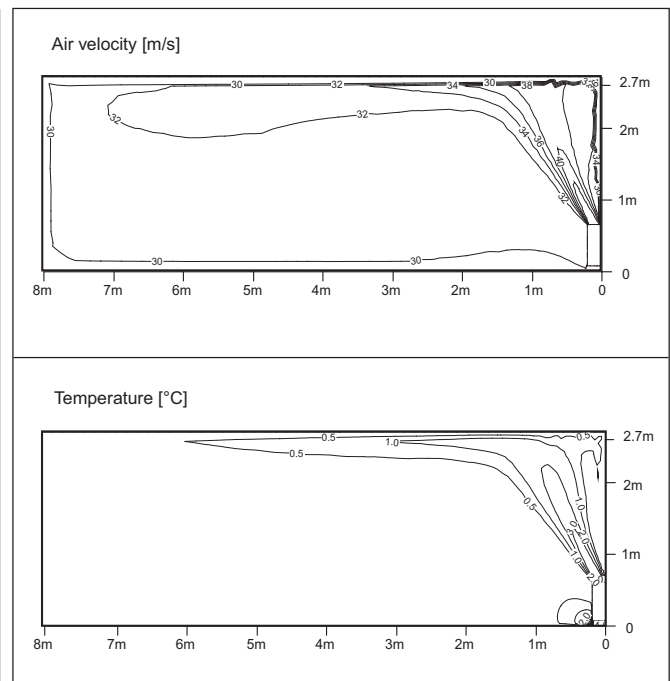
#### Cooling

Discharge angle: 45°



#### Heating

Discharge angle: 60°



## 8. Electric Characteristics

| Units       |      |    |         |                    | Power Supply |     | IFM   |      | PI      |         |
|-------------|------|----|---------|--------------------|--------------|-----|-------|------|---------|---------|
| Model       | Type | Hz | Volts   | Voltage Range      | MCA          | MFA | kW    | FLA  | Cooling | Heating |
| ARNU07GCEA4 | CE   | 50 | 220-240 | MAX.264<br>MIN.198 | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU07GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU09GCEA4 | CE   |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU09GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU12GCEA4 | CE   |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU12GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU15GCEA4 | CE   |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU15GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU18GCFA4 | CF   |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |
| ARNU18GCFU4 |      |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |
| ARNU24GCFA4 | CF   |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |
| ARNU24GCFU4 |      |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |
| ARNU07GCEA4 | CE   | 60 | 220     | MAX.242<br>MIN.198 | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU07GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU09GCEA4 | CE   |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU09GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU12GCEA4 | CE   |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU12GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU15GCEA4 | CE   |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU15GCEU4 |      |    |         |                    | 1.00         | 15  | 0.024 | 0.76 | 85      | 85      |
| ARNU18GCFA4 | CF   |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |
| ARNU18GCFU4 |      |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |
| ARNU24GCFA4 | CF   |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |
| ARNU24GCFU4 |      |    |         |                    | 1.20         | 15  | 0.038 | 0.97 | 115     | 115     |

### Symbols

**MCA** : Minimum Circuit Amperes (A)

**MFA** : Maximum Fuse Amperes (A)

**kW** : Fan Motor Rated Output (kW)

**FLA** : Full Load Amperes (A)

**IFM** : Indoor Fan Motor

**PI** : Maximum Power Input (W)

### Note

1. Voltage range

Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above the listed range limits.

2. Maximum allowable voltage unbalance between phases is 2%.

3. MCA/MFA

$MCA = 1.25 \times FLA$

$MFA \leq 4 \times FLA$

(Next lower standard fuse rating. Minimum 15A)

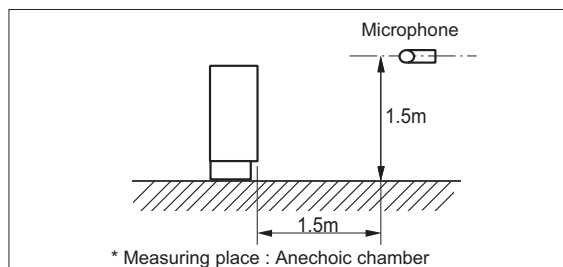
4. Select wire size based on the MCA

5. Instead of fuse, use Circuit Breaker.

## 9. Sound Levels

### 9.1 Sound Pressure Levels

#### Overall

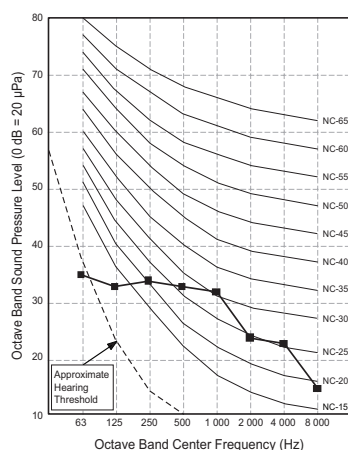


#### Note

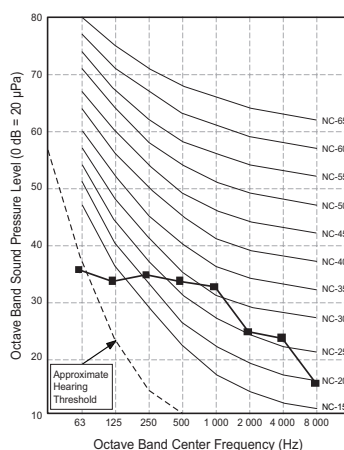
1. Sound measured at some distance away from the center of the unit.
2. Data is valid at free field condition.
3. Reference acoustic pressure 0dB = 20μPa.
4. Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
5. Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
6. Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.

| Model       |             | Sound Pressure Levels [dB(A)] |    |    |
|-------------|-------------|-------------------------------|----|----|
|             |             | H                             | M  | L  |
| ARNU07GCEA4 | ARNU07GCEU4 | 35                            | 33 | 31 |
| ARNU09GCEA4 | ARNU09GCEU4 | 36                            | 34 | 32 |
| ARNU12GCEA4 | ARNU12GCEU4 | 37                            | 35 | 33 |
| ARNU15GCEA4 | ARNU15GCEU4 | 38                            | 37 | 35 |
| ARNU18GCFA4 | ARNU18GCFU4 | 40                            | 37 | 34 |
| ARNU24GCFA4 | ARNU24GCFU4 | 43                            | 40 | 37 |

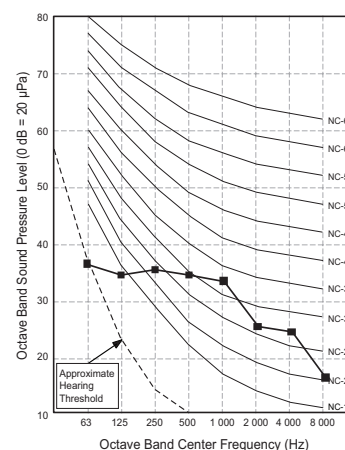
**ARNU07GCEA4  
ARNU07GCEU4**



**ARNU09GCEA4  
ARNU09GCEU4**

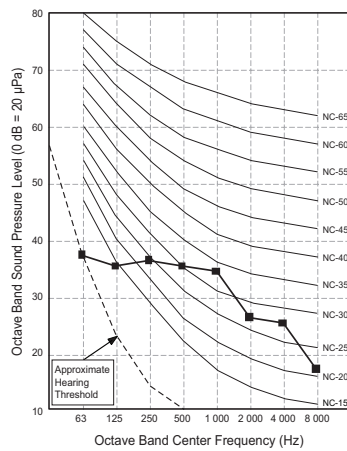


**ARNU12GCEA4  
ARNU12GCEU4**

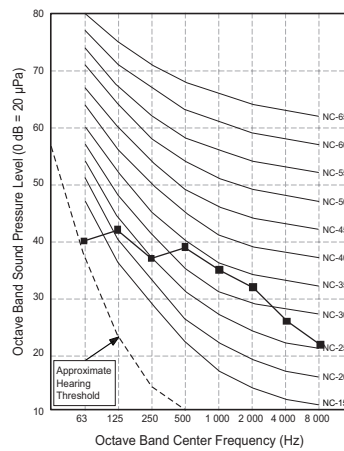


## 9. Sound Levels

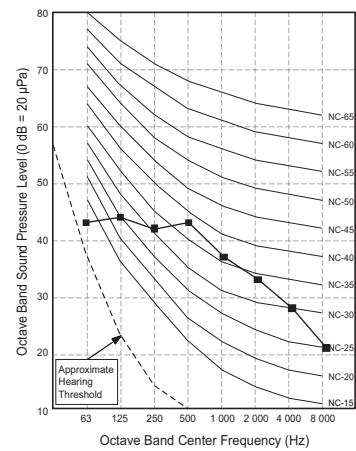
**ARNU15GCEA4  
ARNU15GCEU4**



**ARNU18GCFA4  
ARNU18GCFU4**



**ARNU24GCFA4  
ARNU24GCFU4**





## 9. Sound Levels

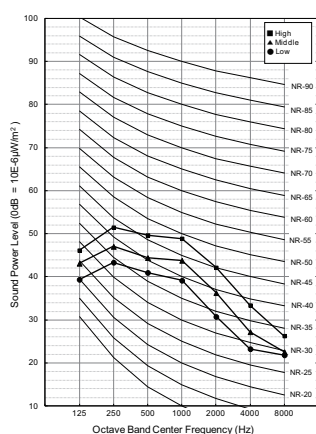
### 9.2 Sound Power Levels

#### Note

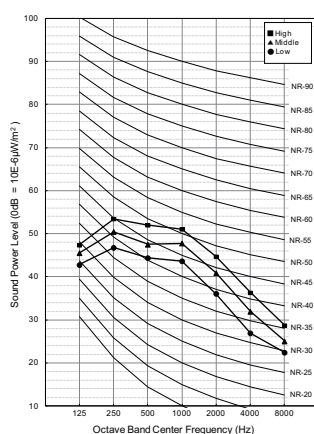
- Data is valid at diffuse field condition
- Data is valid at nominal operating condition
- Sound level can be increased in static pressure mode or used air guide.
- Sound power level is measured on the rated condition in the reverberation rooms.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- Reference acoustic intensity  $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$

| Model       |             | Sound Power Levels [dB(A)] |    |    |
|-------------|-------------|----------------------------|----|----|
|             |             | H                          | M  | L  |
| ARNU07GCEA4 | ARNU07GCEU4 | 52                         | 47 | 43 |
| ARNU09GCEA4 | ARNU09GCEU4 | 54                         | 51 | 47 |
| ARNU12GCEA4 | ARNU12GCEU4 | 54                         | 51 | 50 |
| ARNU15GCEA4 | ARNU15GCEU4 | 55                         | 54 | 51 |
| ARNU18GCFA4 | ARNU18GCFU4 | 57                         | 54 | 50 |
| ARNU24GCFA4 | ARNU24GCFU4 | 61                         | 57 | 54 |

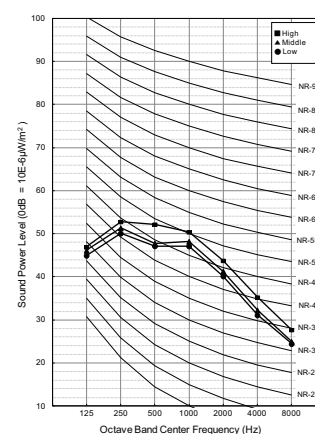
**ARNU07GCEA4  
ARNU07GCEU4**



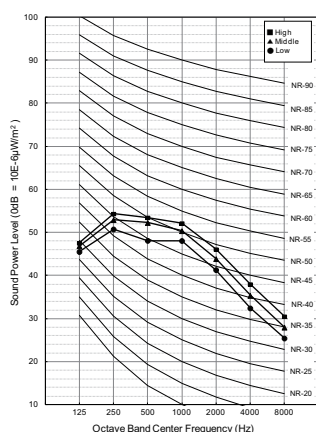
**ARNU09GCEA4  
ARNU09GCEU4**



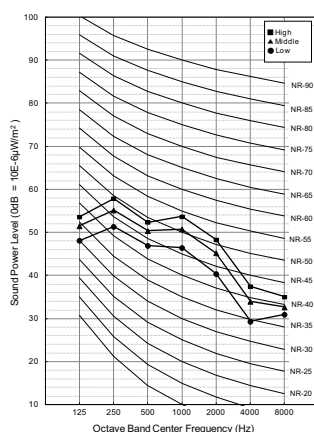
**ARNU12GCEA4  
ARNU12GCEU4**



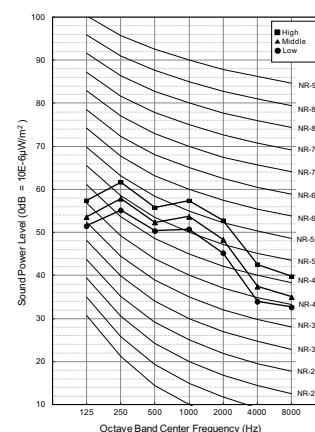
**ARNU15GCEA4  
ARNU15GCEU4**



**ARNU18GCFA4  
ARNU18GCFU4**



**ARNU24GCFA4  
ARNU24GCFU4**

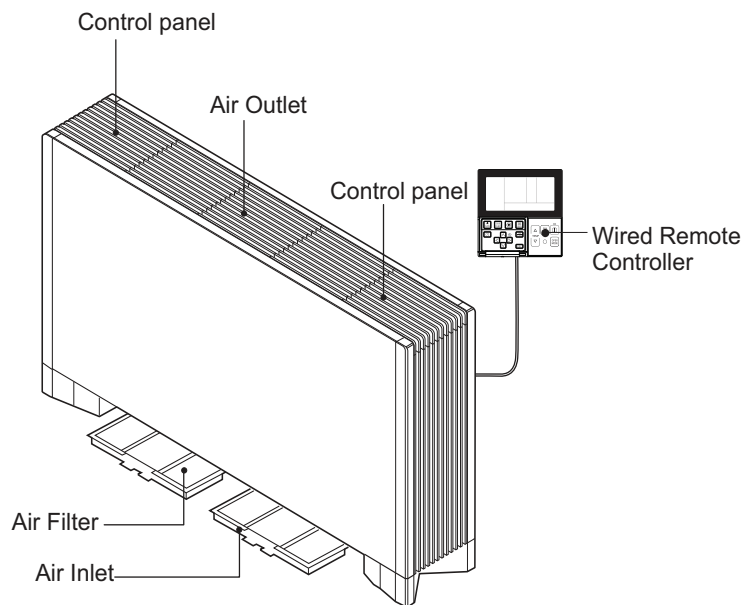


## 10. Installation

- Please read the instruction sheets completely before installing the product.
- When the power cord is damaged, replacement work shall be performed by authorized personnel only.
- Installation work must be performed in accordance with the national wiring standards.
- Teach the customer the operation and maintenance procedures, using the operation manual. (air filter cleaning, temperature control, etc.)

### 10.1 Features

#### [ CEA/CFA Type ]



#### [ CEU/CFU Type ]

