

**DAIKIN**

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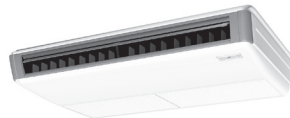
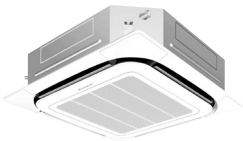
**R-410A**

# Engineering Data

***SkyAir***

**Cooling Only 60Hz  
Heat Pump 60Hz**

**RZR-P, RZQ-P(9) series**



***INVERTER***

**DAIKIN AC (AMERICAS), INC.**

# SkyAir Engineering Data

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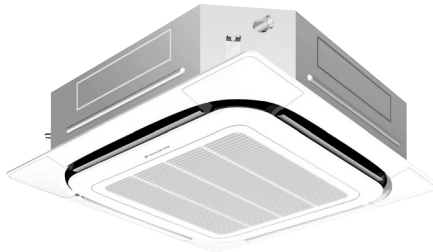
# 1. External appearance

## 1.1 Indoor unit

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### Ceiling mounted cassette type (Round flow)

FCQ18PAVJU / FCQ24PAVJU / FCQ30PAVJU  
FCQ36PAVJU / FCQ42PAVJU



### Ceiling suspended type

FHQ18PVJU / FHQ24PVJU / FHQ30PVJU  
FHQ36MVJU / FHQ42MVJU



### Wall mounted type

FAQ18PVJU / FAQ24PVJU



### Ceiling mounted duct type

FBQ18PVJU / FBQ24PVJU / FBQ30PVJU  
FBQ36PVJU / FBQ42PVJU



## 1.2 Outdoor unit

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RZR18PVJU / RZR24PVJU / RZR30PVJU  
RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU



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RZR36PVJU / RZR42PVJU  
RZQ36PVJU9 / RZQ42PVJU9



## 2. Model name, power supply and nomenclature

### 2.1 Model name and power supply

#### 2.1.1 Cooling Only

| Indoor unit                                   |             | Outdoor unit | Power supply intake                                                           |
|-----------------------------------------------|-------------|--------------|-------------------------------------------------------------------------------|
| Ceiling mounted cassette type<br>(Round flow) | FCQ18PAVJU* | RZR18PVJU    | Indoor unit: 1 phase, 208/230V, 60Hz<br>Outdoor unit: 1 phase, 208/230V, 60Hz |
|                                               | FCQ24PAVJU* | RZR24PVJU    |                                                                               |
|                                               | FCQ30PAVJU* | RZR30PVJU    |                                                                               |
|                                               | FCQ36PAVJU* | RZR36PVJU    |                                                                               |
|                                               | FCQ42PAVJU* | RZR42PVJU    |                                                                               |
| Ceiling suspended type                        | FHQ18PVJU   | RZR18PVJU    |                                                                               |
|                                               | FHQ24PVJU   | RZR24PVJU    |                                                                               |
|                                               | FHQ30PVJU   | RZR30PVJU    |                                                                               |
|                                               | FHQ36MVJU   | RZR36PVJU    |                                                                               |
|                                               | FHQ42MVJU   | RZR42PVJU    |                                                                               |
| Wall mounted type                             | FAQ18PVJU   | RZR18PVJU    |                                                                               |
|                                               | FAQ24PVJU   | RZR24PVJU    |                                                                               |
| Ceiling mounted duct type                     | FBQ18PVJU*  | RZR18PVJU    |                                                                               |
|                                               | FBQ24PVJU*  | RZR24PVJU    |                                                                               |
|                                               | FBQ30PVJU*  | RZR30PVJU    |                                                                               |
|                                               | FBQ36PVJU*  | RZR36PVJU    |                                                                               |
|                                               | FBQ42PVJU*  | RZR42PVJU    |                                                                               |

**Note:**

1. \*: New model or changed model

#### 2.1.2 Heat Pump

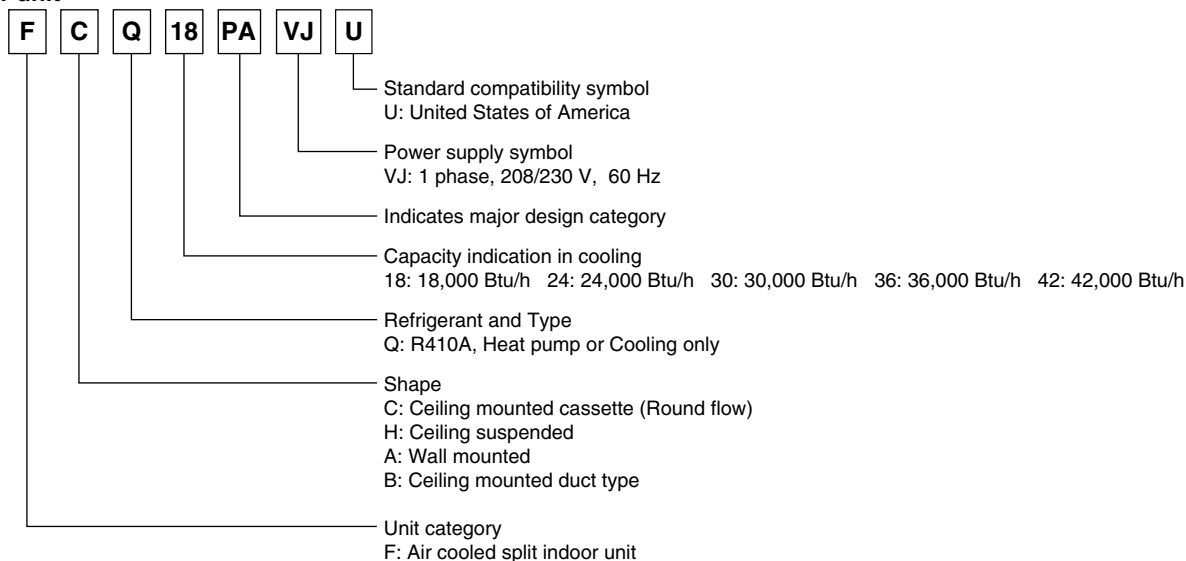
| Indoor unit                                   |             | Outdoor unit | Power supply intake                                                           |
|-----------------------------------------------|-------------|--------------|-------------------------------------------------------------------------------|
| Ceiling mounted cassette type<br>(Round flow) | FCQ18PAVJU* | RZQ18PVJU9   | Indoor unit: 1 phase, 208/230V, 60Hz<br>Outdoor unit: 1 phase, 208/230V, 60Hz |
|                                               | FCQ24PAVJU* | RZQ24PVJU9   |                                                                               |
|                                               | FCQ30PAVJU* | RZQ30PVJU    |                                                                               |
|                                               | FCQ36PAVJU* | RZQ36PVJU9   |                                                                               |
|                                               | FCQ42PAVJU* | RZQ42PVJU9   |                                                                               |
| Ceiling suspended type                        | FHQ18PVJU   | RZQ18PVJU9   |                                                                               |
|                                               | FHQ24PVJU   | RZQ24PVJU9   |                                                                               |
|                                               | FHQ30PVJU   | RZQ30PVJU    |                                                                               |
|                                               | FHQ36MVJU   | RZQ36PVJU9   |                                                                               |
|                                               | FHQ42MVJU   | RZQ42PVJU9   |                                                                               |
| Wall mounted type                             | FAQ18PVJU   | RZQ18PVJU9   |                                                                               |
|                                               | FAQ24PVJU   | RZQ24PVJU9   |                                                                               |
| Ceiling mounted duct type                     | FBQ18PVJU*  | RZQ18PVJU9   |                                                                               |
|                                               | FBQ24PVJU*  | RZQ24PVJU9   |                                                                               |
|                                               | FBQ30PVJU*  | RZQ30PVJU    |                                                                               |
|                                               | FBQ36PVJU*  | RZQ36PVJU9   |                                                                               |
|                                               | FBQ42PVJU*  | RZQ42PVJU9   |                                                                               |

**Note:**

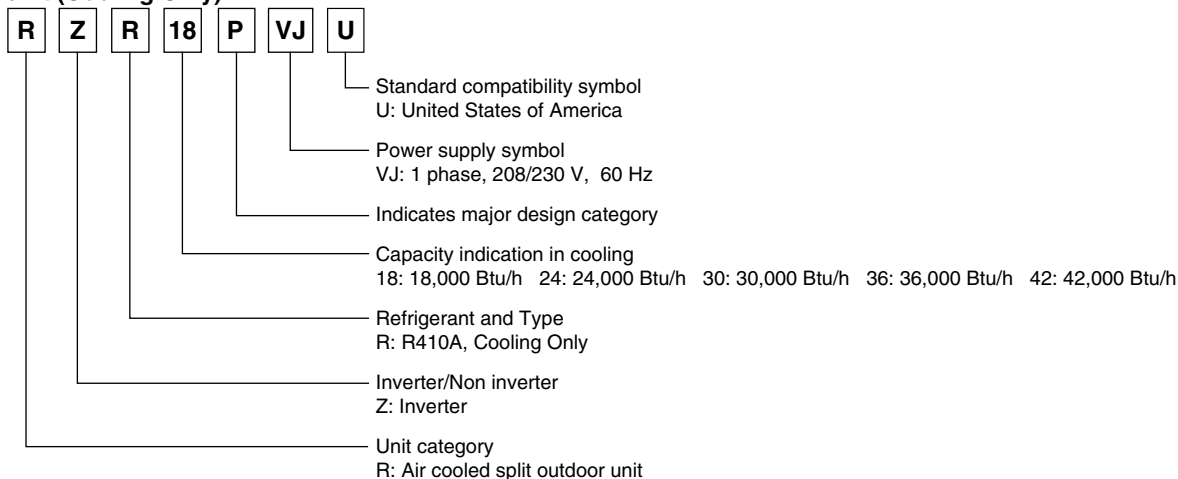
1. \*: New model or changed model

## 2.2 Nomenclature

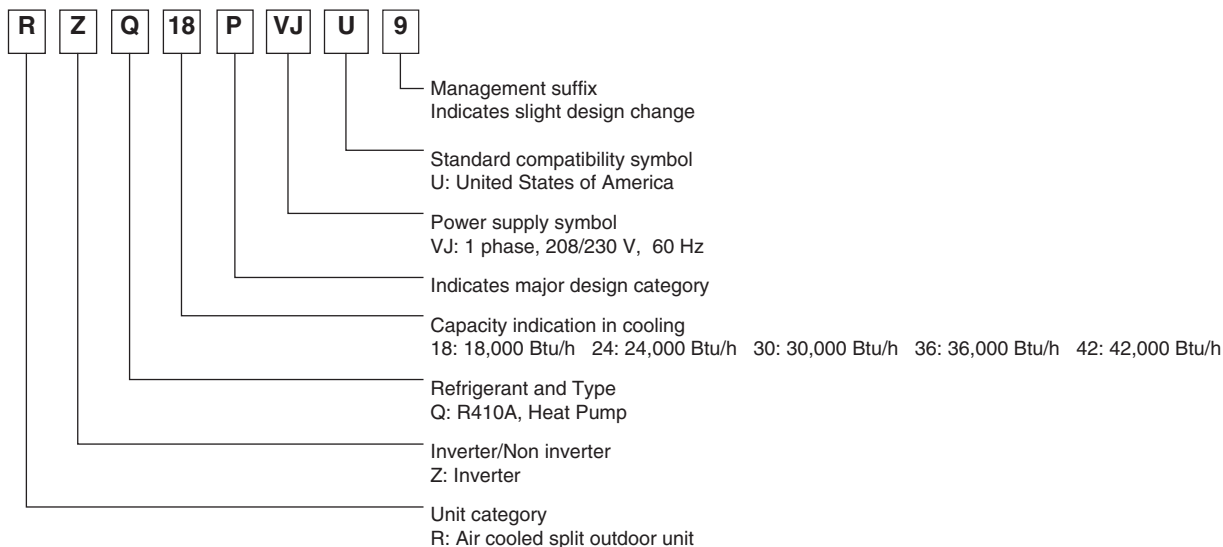
### Indoor unit



### Outdoor unit (Cooling Only)



### Outdoor unit (Heat Pump)



## 3. Specifications

### 3.1 Cooling Only,

#### 3.1.1 FCQ / Ceiling mounted cassette type (Round flow)

| Model                            | Indoor unit             |              |         | FCQ18PAVJU                                                                                                     | FCQ24PAVJU                                                                                                     | FCQ30PAVJU                                                                                                     |
|----------------------------------|-------------------------|--------------|---------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |              |         | RZR18PVJU                                                                                                      | RZR24PVJU                                                                                                      | RZR30PVJU                                                                                                      |
| Power supply                     |                         |              |         | 1 phase, 208/230V, 60Hz                                                                                        | 1 phase, 208/230V, 60Hz                                                                                        | 1 phase, 208/230V, 60Hz                                                                                        |
| Cooling capacity <sup>1, 2</sup> |                         | Btu/h        |         | 18,000                                                                                                         | 24,000                                                                                                         | 30,000                                                                                                         |
| SEER (Rated)                     |                         |              |         | 17.2                                                                                                           | 16.8                                                                                                           | 15.8                                                                                                           |
| EER (Rated)                      |                         | Btu/h-W      |         | 13.9                                                                                                           | 12.0                                                                                                           | 10.2                                                                                                           |
| Indoor unit                      |                         |              |         | FCQ18PAVJU                                                                                                     | FCQ24PAVJU                                                                                                     | FCQ30PAVJU                                                                                                     |
| Color                            |                         |              |         | Galvanized steel plate                                                                                         | Galvanized steel plate                                                                                         | Galvanized steel plate                                                                                         |
| Dimensions                       | H×W×D                   | in (mm)      |         | 9–11/16 × 33–1/16 × 33–1/16<br>(246 x 840 x 840)                                                               | 9–11/16 × 33–1/16 × 33–1/16<br>(246 x 840 x 840)                                                               | 9–11/16 × 33–1/16 × 33–1/16<br>(246 x 840 x 840)                                                               |
| Coil                             | Type                    |              |         | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 |
|                                  | Rows×Stages×FPI         |              |         | 2 × 6 × 21                                                                                                     | 2 × 10 × 21                                                                                                    | 2 × 10 × 21                                                                                                    |
|                                  | Face area               | ft² (m²)     |         | 2.87 (0.9)                                                                                                     | 4.80 (1.5)                                                                                                     | 4.80 (1.5)                                                                                                     |
| Fan                              | Model                   |              |         | QTS48C15M                                                                                                      | QTS48C15M                                                                                                      | QTS48C15M                                                                                                      |
|                                  | Type                    |              |         | Turbo fan                                                                                                      | Turbo fan                                                                                                      | Turbo fan                                                                                                      |
|                                  | Motor output            | W            |         | 56                                                                                                             | 56                                                                                                             | 56                                                                                                             |
|                                  | Airflow rate (HH/H/L)   | cfm (m³/min) |         | 560/470/390 (16/13/11)                                                                                         | 780/620/470 (22/13/11)                                                                                         | 830/670/530 (24/13/11)                                                                                         |
| Air filter                       |                         |              |         | —                                                                                                              | —                                                                                                              | —                                                                                                              |
| Mass (Weight)                    |                         | Lbs (kg)     |         | 43 (19.5)                                                                                                      | 48.5 (22)                                                                                                      | 48.5 (22)                                                                                                      |
| Piping connections               | Liquid                  | in (mm)      |         | φ1/4 (6.4) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  |
|                                  | Gas                     | in (mm)      |         | φ1/2 (12.7) (Flare connection)                                                                                 | φ5/8 (15.8)(Flare connection)                                                                                  | φ5/8 (15.8) (Flare connection)                                                                                 |
|                                  | Drain                   | in (mm)      |         | VP25 (External dia. 1–1/4 (31.8),<br>Internal dia. 1 (25.4))                                                   | VP25 (External dia. 1–1/4 (31.8),<br>Internal dia. 1 (25.4))                                                   | VP25 (External dia. 1–1/4 (31.8),<br>Internal dia. 1 (25.4))                                                   |
| Remote controller (option)       |                         | Wired        | BRC1E71 |                                                                                                                |                                                                                                                | BRC1E71                                                                                                        |
|                                  |                         | Wireless     | —       |                                                                                                                |                                                                                                                | —                                                                                                              |
| Decoration panels (option)       | Model                   |              |         | BYCP125K–W1                                                                                                    | BYCP125K–W1                                                                                                    | BYCP125K–W1                                                                                                    |
|                                  | Color                   |              |         | Fresh white                                                                                                    | Fresh white                                                                                                    | Fresh white                                                                                                    |
|                                  | Dimensions              | H×W×D        | in (mm) | 2 × 37–3/8 × 37–3/8 (51 x 949 x 949)                                                                           | 2 × 37–3/8 × 37–3/8 (51 x 949 x 949)                                                                           | 2 × 37–3/8 × 37–3/8 (51 x 949 x 949)                                                                           |
|                                  | Air filter              |              |         | Resin net (with mold resistant)                                                                                | Resin net (with mold resistant)                                                                                | Resin net (with mold resistant)                                                                                |
|                                  | Weight                  | Lbs (kg)     |         | 12.2 (5.5)                                                                                                     | 12.2 (5.5)                                                                                                     | 12.2 (5.5)                                                                                                     |
| Outdoor unit                     |                         |              |         | RZR18PVJU                                                                                                      | RZR24PVJU                                                                                                      | RZR30PVJU                                                                                                      |
| Color                            |                         |              |         | Ivory                                                                                                          | Ivory                                                                                                          | Ivory                                                                                                          |
| Dimensions                       | H×W×D                   | in (mm)      |         | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                |
| Coil                             | Type                    |              |         | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 |
|                                  | Rows×Stages×FPI         |              |         | 2 × 34 × 18                                                                                                    | 2 × 34 × 18                                                                                                    | 2 × 34 × 18                                                                                                    |
|                                  | Face area               | ft² (m²)     |         | 7.1 (2.2)                                                                                                      | 7.1 (2.2)                                                                                                      | 7.1 (2.2)                                                                                                      |
| Comp.                            | Model                   |              |         | 2YC63HXD#ED                                                                                                    | 2YC63HXD#ED                                                                                                    | 2YC63HXD#ED                                                                                                    |
|                                  | Type                    |              |         | Hermetically sealed swing type                                                                                 | Hermetically sealed swing type                                                                                 | Hermetically sealed swing type                                                                                 |
|                                  | Motor output            | kW           |         | 1.7                                                                                                            | 1.7                                                                                                            | 1.7                                                                                                            |
| Fan                              | Model                   |              |         | P47N11F                                                                                                        | P47N11F                                                                                                        | P47N11F                                                                                                        |
|                                  | Type                    |              |         | Propeller fan                                                                                                  | Propeller fan                                                                                                  | Propeller fan                                                                                                  |
|                                  | Motor output            | W            |         | 70                                                                                                             | 70                                                                                                             | 70                                                                                                             |
|                                  | Airflow rate            | cfm (m³/min) |         | 1,835 (52)                                                                                                     | 1,835 (52)                                                                                                     | 1,835 (52)                                                                                                     |
| Mass (Weight)                    | Lbs (kg)                |              |         | 150 (68)                                                                                                       | 150 (68)                                                                                                       | 150 (68)                                                                                                       |
| Piping connections               | Liquid                  | in (mm)      |         | φ3/8 (9.5) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  |
|                                  | Gas                     | in (mm)      |         | φ5/8 15.8)(Flare connection)                                                                                   | φ5/8 (15.8) (Flare connection)                                                                                 | φ5/8 (15.8) (Flare connection)                                                                                 |
|                                  | Drain                   | in (mm)      |         | φ1 (25.4) (Hole)                                                                                               | φ1 (25.4) (Hole)                                                                                               | φ1 (25.4) (Hole)                                                                                               |
| Safety devices                   |                         |              |         | High pressure switch. Outdoor fan driver overload protector. Inverter overload protector. Fusible plugs. Fuse. | High pressure switch. Outdoor fan driver overload protector. Inverter overload protector. Fusible plugs. Fuse. | High pressure switch. Outdoor fan driver overload protector. Inverter overload protector. Fusible plugs. Fuse. |
| Capacity step                    |                         | %            |         | 35-100                                                                                                         | 30-100                                                                                                         | 25-100                                                                                                         |
| Refrigerant control              |                         |              |         | Electronic expansion valve                                                                                     | Electronic expansion valve                                                                                     | Electronic expansion valve                                                                                     |
| Ref. piping                      | Standard length         | ft (m)       |         | 25 (7.5)                                                                                                       | 25 (7.5)                                                                                                       | 25 (7.5)                                                                                                       |
|                                  | Max. length             | ft (m)       |         | 164 (50)                                                                                                       | 164 (50)                                                                                                       | 164 (50)                                                                                                       |
|                                  | Max. height difference  | ft (m)       |         | 98 (30)                                                                                                        | 98 (30)                                                                                                        | 98 (30)                                                                                                        |
| Refrigerant                      | Model                   |              |         | R-410A                                                                                                         | R-410A                                                                                                         | R-410A                                                                                                         |
|                                  | Charge (factory charge) | Lbs (kg)     |         | 5.1 (2.3)                                                                                                      | 5.1 (2.3)                                                                                                      | 5.1 (2.3)                                                                                                      |
| Ref. oil                         |                         | Model        |         | Refer to the name plate of compressor.                                                                         | Refer to the name plate of compressor.                                                                         | Refer to the name plate of compressor.                                                                         |
|                                  |                         | Charge       | L (oz)  | 0.75 (25.4)                                                                                                    | 0.75 (25.4)                                                                                                    | 0.75 (25.4)                                                                                                    |
| Drawing Number                   |                         |              |         | C: 4D074132                                                                                                    | C: 4D074132                                                                                                    | C: 4D074132                                                                                                    |

1. Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

## Ceiling mounted cassette type (Round flow), continued

| Model                            | Indoor unit             |          |              | FCQ36PAVJU                                                                                                              |         | FCQ42PAVJU                                                                                                              |  |
|----------------------------------|-------------------------|----------|--------------|-------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------|--|
|                                  | Outdoor unit            |          |              | RZR36PVJU                                                                                                               |         | RZR42PVJU                                                                                                               |  |
| Power supply                     |                         |          |              | 1 phase, 208/230V, 60Hz                                                                                                 |         | 1 phase, 208/230V, 60Hz                                                                                                 |  |
| Cooling capacity <sup>1, 2</sup> |                         |          | Btu/h        | 36,000                                                                                                                  |         | 42,000                                                                                                                  |  |
| SEER (Rated)                     |                         |          |              | 17.5                                                                                                                    |         | 16.0                                                                                                                    |  |
| EER (Rated)                      |                         |          | Btu/h-W      | 11.2                                                                                                                    |         | 10.2                                                                                                                    |  |
| Indoor unit                      |                         |          |              | FCQ36PAVJU                                                                                                              |         | FCQ42PAVJU                                                                                                              |  |
| Color                            |                         |          |              | Galvanized steel plate                                                                                                  |         | Galvanized steel plate                                                                                                  |  |
| Dimensions                       | HxWxD                   | in (mm)  |              | 11–5/16 × 33–1/16 × 33–1/16 (287 x 840 x 840)                                                                           |         | 11–5/16 × 33–1/16 × 33–1/16 (287 x 840 x 840)                                                                           |  |
| Coil                             | Type                    |          |              | Cross fin coil                                                                                                          |         | Cross fin coil                                                                                                          |  |
|                                  | RowsxStagesxFPI         |          |              | 2 × 12 × 21                                                                                                             |         | 2 × 12 × 21                                                                                                             |  |
|                                  | Face area               |          | ft² (m²)     | 5.76 (1.8)                                                                                                              |         | 5.76 (1.8)                                                                                                              |  |
| Fan                              | Model                   |          |              | QTS48C15M                                                                                                               |         | QTS48C15M                                                                                                               |  |
|                                  | Type                    |          |              | Turbo fan                                                                                                               |         | Turbo fan                                                                                                               |  |
|                                  | Motor output            |          | W            | 120                                                                                                                     |         | 120                                                                                                                     |  |
|                                  | Airflow rate (HH/H/L)   |          | cfm (m³/min) | 1180/910/700 (33/26/20)                                                                                                 |         | 1220/970/790 (35/28/22)                                                                                                 |  |
| Air filter                       |                         |          |              | —                                                                                                                       |         | —                                                                                                                       |  |
| Mass (Weight)                    |                         |          | Lbs (kg)     | 55 (25)                                                                                                                 |         | 55 (25)                                                                                                                 |  |
| Piping connections               | Liquid                  |          | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                           |         | φ3/8 (9.5) (Flare connection)                                                                                           |  |
|                                  | Gas                     |          | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                          |         | φ5/8 (15.8) (Flare connection)                                                                                          |  |
|                                  | Drain                   |          | in (mm)      | VP25 (External dia. 1–1/4 (31.8), Internal dia. 1 (25.4))                                                               |         | VP25 (External dia. 1–1/4 (31.8), Internal dia. 1 (25.4))                                                               |  |
| Remote controller (option)       |                         | Wired    | BRC1E71      |                                                                                                                         | BRC1E71 |                                                                                                                         |  |
|                                  |                         | Wireless | —            |                                                                                                                         | —       |                                                                                                                         |  |
| Decoration panels (option)       | Model                   |          |              | BYCP125K–W1                                                                                                             |         | BYCP125K–W1                                                                                                             |  |
|                                  | Color                   |          |              | Fresh white                                                                                                             |         | Fresh white                                                                                                             |  |
|                                  | Dimensions              | HxWxD    | in (mm)      | 2 × 37–3/8 × 37–3/8 (51 x 949 x 949)                                                                                    |         | 2 × 37–3/8 × 37–3/8 (51 x 949 x 949)                                                                                    |  |
|                                  | Air filter              |          |              | Resin net (with mold resistant)                                                                                         |         | Resin net (with mold resistant)                                                                                         |  |
|                                  | Weight                  |          | Lbs (kg)     | 12.2 (5.5)                                                                                                              |         | 12.2 (5.5)                                                                                                              |  |
| Outdoor unit                     |                         |          |              | RZR36PVJU                                                                                                               |         | RZR42PVJU                                                                                                               |  |
| Color                            |                         |          |              | Ivory white (5Y7.5/1)                                                                                                   |         | Ivory white (5Y7.5/1)                                                                                                   |  |
| Dimensions                       | HxWxD                   | in (mm)  |              | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                          |         | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                          |  |
| Coil                             | Type                    |          |              | Cross fin coil                                                                                                          |         | Cross fin coil                                                                                                          |  |
|                                  | RowsxStagesxFPI         |          |              | 2 × 60 × 13                                                                                                             |         | 2 × 60 × 13                                                                                                             |  |
|                                  | Face area               |          | ft² (m²)     | 12.2 (3.7)                                                                                                              |         | 12.2 (3.7)                                                                                                              |  |
| Comp.                            | Model                   |          |              | JT100G-VDLW@T                                                                                                           |         | JT100G-VDLW@T                                                                                                           |  |
|                                  | Type                    |          |              | Hermetically sealed scroll type                                                                                         |         | Hermetically sealed scroll type                                                                                         |  |
|                                  | Motor output            |          | kW           | 2.5                                                                                                                     |         | 3.0                                                                                                                     |  |
| Fan                              | Model                   |          |              | KFD–325–70–8C2                                                                                                          |         | KFD–325–70–8C2                                                                                                          |  |
|                                  | Type                    |          |              | Propeller fan                                                                                                           |         | Propeller fan                                                                                                           |  |
|                                  | Motor output            |          | W            | 70 × 2                                                                                                                  |         | 70 × 2                                                                                                                  |  |
|                                  | Airflow rate            |          | cfm (m³/min) | 3,740 (106)                                                                                                             |         | 3,740 (106)                                                                                                             |  |
| Mass (Weight)                    |                         |          | Lbs (kg)     | 283 (128)                                                                                                               |         | 283 (128)                                                                                                               |  |
| Piping connections               | Liquid                  |          | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                           |         | φ3/8 (9.5) (Flare connection)                                                                                           |  |
|                                  | Gas                     |          | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                          |         | φ5/8 (15.8) (Flare connection)                                                                                          |  |
|                                  | Drain                   |          | in (mm)      | φ1 (25.4) (Hole)                                                                                                        |         | φ1 (25.4) (Hole)                                                                                                        |  |
| Safety devices                   |                         |          |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |         | High pressure switch.<br>Outdoor fan driver overload protector.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |  |
| Capacity step                    |                         |          | %            | 25-100                                                                                                                  |         | 25-100                                                                                                                  |  |
| Refrigerant control              |                         |          |              | Electronic expansion valve                                                                                              |         | Electronic expansion valve                                                                                              |  |
| Ref. piping                      | Standard length         |          | ft (m)       | 25 (7.5)                                                                                                                |         | 25 (7.5)                                                                                                                |  |
|                                  | Max. length             |          | ft (m)       | 230 (70)                                                                                                                |         | 230 (70)                                                                                                                |  |
|                                  | Max. height difference  |          | ft (m)       | 164 (50)                                                                                                                |         | 164 (50)                                                                                                                |  |
| Refrigerant                      | Model                   |          |              | R-410A                                                                                                                  |         | R-410A                                                                                                                  |  |
|                                  | Charge (factory charge) |          | Lbs (kg)     | 8.8 (4)                                                                                                                 |         | 8.8 (4)                                                                                                                 |  |
| Ref. oil                         |                         | Model    |              | Refer to the name plate of compressor.                                                                                  |         | Refer to the name plate of compressor.                                                                                  |  |
|                                  |                         | Charge   | L (oz)       | 1.5 (50.7)                                                                                                              |         | 1.5 (50.7)                                                                                                              |  |
| Drawing Number                   |                         |          |              | C: 4D074133                                                                                                             |         | C: 4D074133                                                                                                             |  |

## Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB /19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling for indoor fan motor heat.

### 3.1.2 FHQ

#### Ceiling suspended type

| Model                            | Indoor unit             |              | FHQ18PVJU                                                                                                                                                          | FHQ24PVJU                                                                                                                                                          | FHQ30PVJU                                                                                                                                                          |
|----------------------------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |              | RZR18PVJU                                                                                                                                                          | RZR24PVJU                                                                                                                                                          | RZR30PVJU                                                                                                                                                          |
| Power supply                     |                         |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 2</sup> |                         | Btu/h        | 18,000                                                                                                                                                             | 24,000                                                                                                                                                             | 30,000                                                                                                                                                             |
| SEER (Rated)                     |                         |              | 18.0                                                                                                                                                               | 18.1                                                                                                                                                               | 17.2                                                                                                                                                               |
| EER (Rated)                      |                         | Btu/h-W      | 14.0                                                                                                                                                               | 12.6                                                                                                                                                               | 10.5                                                                                                                                                               |
| Indoor unit                      |                         |              | FHQ18PVJU                                                                                                                                                          | FHQ24PVJU                                                                                                                                                          | FHQ30PVJU                                                                                                                                                          |
| Color                            |                         |              | White (10Y9/0.5)                                                                                                                                                   | White (10Y9/0.5)                                                                                                                                                   | White (10Y9/0.5)                                                                                                                                                   |
| Dimensions                       | HxWxD                   | in (mm)      | 7-11/16 × 62-5/8 × 26-3/4<br>(195 x 1591 x 680)                                                                                                                    | 7-11/16 × 62-5/8 × 26-3/4<br>(195 x 1591 x 680)                                                                                                                    | 7-11/16 × 62-5/8 × 26-3/4<br>(195 x 1591 x 680)                                                                                                                    |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | RowsxStagesxFPI         |              | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          |
|                                  | Face area               | ft² (m²)     | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            |
| Fan                              | Model                   |              | —                                                                                                                                                                  | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                    |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output            | W            | 130                                                                                                                                                                | 130                                                                                                                                                                | 130                                                                                                                                                                |
|                                  | Airflow rate (H/L)      | cfm (m³/min) | 790/670 (22/19)                                                                                                                                                    | 790/670 (22/19)                                                                                                                                                    | 790/670 (22/19)                                                                                                                                                    |
| Air filter                       |                         |              | Resin net (With mold resistant)                                                                                                                                    | Resin net (With mold resistant)                                                                                                                                    | Resin net (With mold resistant)                                                                                                                                    |
| Mass (Weight)                    |                         | Lbs (kg)     | 90 (41)                                                                                                                                                            | 90 (41)                                                                                                                                                            | 90 (41)                                                                                                                                                            |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare Connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | VP20 (External dia. 1 (25.4),<br>Internal dia. 3/4 (19.1))                                                                                                         | VP20 (External dia. 1 (25.4),<br>Internal dia. 3/4 (19.1))                                                                                                         | VP20 (External dia. 1 (25.4),<br>Internal dia. 3/4 (19.1))                                                                                                         |
| Remote controller (option)       | Wired                   |              | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  | Wireless                |              | BRC7E83                                                                                                                                                            | BRC7E83                                                                                                                                                            | BRC7E83                                                                                                                                                            |
| Outdoor unit                     |                         |              | RZR18PVJU                                                                                                                                                          | RZR24PVJU                                                                                                                                                          | RZR30PVJU                                                                                                                                                          |
| Color                            |                         |              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              |
| Dimensions                       | HxWxD                   | in (mm)      | 30-5/16 × 35-7/16 × 12-5/8<br>(770 x 900 x 321)                                                                                                                    | 30-5/16 × 35-7/16 × 12-5/8<br>(770 x 900 x 321)                                                                                                                    | 30-5/16 × 35-7/16 × 12-5/8<br>(770 x 900 x 321)                                                                                                                    |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | RowsxStagesxFPI         |              | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          |
| Comp.                            | Model                   |              | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        |
|                                  | Type                    |              | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     |
|                                  | Motor output            | kW           | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                |
| Fan                              | Model                   |              | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            |
|                                  | Type                    |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output            | W            | 70                                                                                                                                                                 | 70                                                                                                                                                                 | 70                                                                                                                                                                 |
|                                  | Airflow rate            | cfm (m³/min) | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         |
| Mass (Weight)                    |                         | Lbs (kg)     | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                         |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                         | %            | 35-100                                                                                                                                                             | 30-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                         |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length         | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length             | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
|                                  | Max. height difference  | ft (m)       | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            |
| Refrigerant                      | Model                   |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge (factory charge) | Lbs (kg)     | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          |
| Ref. oil                         |                         |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
| Drawing Number                   |                         |              | C: 4D071679                                                                                                                                                        | C: 4D071679                                                                                                                                                        | C: 4D071679                                                                                                                                                        |

#### Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB /19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling for indoor fan motor heat.

## Ceiling suspended type, continued

| Model                            | Indoor unit             |              | FHQ36MVJU                                                                                                                                                          | FHQ42MVJU                                                                                                                                                          |
|----------------------------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |              | RZR36PVJU                                                                                                                                                          | RZR42PVJU                                                                                                                                                          |
| Power supply                     |                         |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 2</sup> |                         | Btu/h        | 36,000                                                                                                                                                             | 40,500                                                                                                                                                             |
| SEER (Rated)                     |                         |              | 14.0                                                                                                                                                               | 13.8                                                                                                                                                               |
| EER (Rated)                      |                         | Btu/h-W      | 10.2                                                                                                                                                               | 9.5                                                                                                                                                                |
| Indoor unit                      |                         |              | FHQ36MVJU                                                                                                                                                          | FHQ42MVJU                                                                                                                                                          |
| Color                            |                         |              | White (10Y9/0.5)                                                                                                                                                   | White (10Y9/0.5)                                                                                                                                                   |
| Dimensions                       | HxWxD                   | in (mm)      | 7-11/16 × 62-5/8 × 26-3/4 (195 x 1591 x 680)                                                                                                                       | 7-11/16 × 62-5/8 × 26-3/4 (195 x 1591 x 680)                                                                                                                       |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          |
|                                  | Face area               | ft² (m²)     | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            |
| Fan                              | Model                   |              | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                    |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output            | W            | 130                                                                                                                                                                | 130                                                                                                                                                                |
|                                  | Airflow rate (H/L)      | cfm (m³/min) | 830/670 (24/19)                                                                                                                                                    | 850/700 (24/20)                                                                                                                                                    |
| Air filter                       |                         |              | Resin net (With mold resistant)                                                                                                                                    | Resin net (With mold resistant)                                                                                                                                    |
| Mass (Weight)                    |                         | Lbs (kg)     | 90 (41)                                                                                                                                                            | 90 (41)                                                                                                                                                            |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | VP20 (External dia. 1 (25.4), Internal dia. 3/4 (19.1))                                                                                                            | VP20 (External dia. 1 (25.4), Internal dia. 3/4 (19.1))                                                                                                            |
| Remote controller (option)       |                         | Wired        | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  |                         | Wireless     | BRC7E83                                                                                                                                                            | BRC7E83                                                                                                                                                            |
| Outdoor unit                     |                         |              | RZR36PVJU                                                                                                                                                          | RZR42PVJU                                                                                                                                                          |
| Color                            |                         |              | Ivory white (5Y7.5/1)                                                                                                                                              | Ivory white (5Y7.5/1)                                                                                                                                              |
| Dimensions                       | HxWxD                   | in (mm)      | 52-15/16 × 35-7/16 × 12-5/8 (1345 x 900 x 321)                                                                                                                     | 52-15/16 × 35-7/16 × 12-5/8 (1345 x 900 x 321)                                                                                                                     |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 60 × 13                                                                                                                                                        | 2 × 60 × 13                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 12.2 (3.7)                                                                                                                                                         | 12.2 (3.7)                                                                                                                                                         |
| Comp.                            | Model                   |              | JT100G-VDLW@T                                                                                                                                                      | JT100G-VDLW@T                                                                                                                                                      |
|                                  | Type                    |              | Hermetically sealed scroll type                                                                                                                                    | Hermetically sealed scroll type                                                                                                                                    |
|                                  | Motor output            | kW           | 2.5                                                                                                                                                                | 3.0                                                                                                                                                                |
| Fan                              | Model                   |              | KFD-325-70-8C2                                                                                                                                                     | KFD-325-70-8C2                                                                                                                                                     |
|                                  | Type                    |              | Propeller Fan                                                                                                                                                      | Propeller Fan                                                                                                                                                      |
|                                  | Motor output            | W            | 70×2                                                                                                                                                               | 70×2                                                                                                                                                               |
|                                  | Airflow rate            | cfm (m³/min) | 3,740 (106)                                                                                                                                                        | 3,740 (106)                                                                                                                                                        |
| Mass (Weight)                    |                         | Lbs (kg)     | 283 (128)                                                                                                                                                          | 283 (7.5 m)                                                                                                                                                        |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                         |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                         | %            | 25-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                         |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length         | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length             | ft (m)       | 230 (70)                                                                                                                                                           | 230 (70)                                                                                                                                                           |
|                                  | Max. height difference  | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
| Refrigerant                      | Model                   |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge (factory charge) | Lbs (kg)     | 8.8 (4)                                                                                                                                                            | 8.8 (4)                                                                                                                                                            |
| Ref. oil                         | Model                   |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                  | L (oz)       | 1.5 (51)                                                                                                                                                           | 1.5 (51)                                                                                                                                                           |
| Drawing Number                   |                         |              | C: 4D071676                                                                                                                                                        | C: 4D071676                                                                                                                                                        |

## Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB / 19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling for indoor fan motor heat.

### 3.1.3 FAQ

#### Wall mounted type

| Model                            | Indoor unit             |              | FAQ18PVJU                                                                                                                                                          | FAQ24PVJU                                                                                                                                                          |
|----------------------------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |              | RZR18PVJU                                                                                                                                                          | RZR24PVJU                                                                                                                                                          |
| Power supply                     |                         |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 2</sup> |                         | Btu/h        | 18,000                                                                                                                                                             | 24,000                                                                                                                                                             |
| SEER (Rated)                     |                         |              | 18.6                                                                                                                                                               | 17.6                                                                                                                                                               |
| EER (Rated)                      |                         | Btu/h-W      | 12.7                                                                                                                                                               | 10.2                                                                                                                                                               |
| Indoor unit                      |                         |              | FAQ18PVJU                                                                                                                                                          | FAQ24PVJU                                                                                                                                                          |
| Color                            |                         |              | White (3.0Y8.5/0.5)                                                                                                                                                | White (3.0Y8.5/0.5)                                                                                                                                                |
| Dimensions                       | H×W×D                   | in (mm)      | 11–3/8 × 41–3/8 × 9 (289 x 1051 x 229)                                                                                                                             | 11–3/8 × 41–3/8 × 9 (289 x 1051 x 229)                                                                                                                             |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 14 × 18                                                                                                                                                        | 2 × 14 × 18                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 2.29 (0.7)                                                                                                                                                         | 2.29 (0.7)                                                                                                                                                         |
| Fan                              | Model                   |              | QCL9686M                                                                                                                                                           | QCL9686M                                                                                                                                                           |
|                                  | Type                    |              | Cross flow fan                                                                                                                                                     | Cross flow fan                                                                                                                                                     |
|                                  | Motor output            | W            | 43                                                                                                                                                                 | 43                                                                                                                                                                 |
|                                  | Airflow rate (H/L)      | cfm (m³/min) | 500/400 (14/11)                                                                                                                                                    | 635/470 (18/13)                                                                                                                                                    |
| Air filter                       |                         |              | Resin net (Washable)                                                                                                                                               | Resin net (Washable)                                                                                                                                               |
| Mass (Weight)                    |                         | Lbs (kg)     | 31 (14)                                                                                                                                                            | 31 (14)                                                                                                                                                            |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5)(Flare connection)                                                                                                                                       |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8)(Flare connection)                                                                                                                                      |
|                                  | Drain                   | in (mm)      | VP13 (External dia. 11/16 (17.5), Internal dia. 1/2 (12.7))                                                                                                        | VP13 (External dia. 11/16 (17.5), Internal dia. 1/2 (12.7))                                                                                                        |
| Remote controller (option)       | Wired                   |              | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  | Wireless                |              | BRC7E818                                                                                                                                                           | BRC7E818                                                                                                                                                           |
| Outdoor unit                     |                         |              | RZR18PVJU                                                                                                                                                          | RZR24PVJU                                                                                                                                                          |
| Color                            |                         |              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              |
| Dimensions                       | H×W×D                   | in (mm)      | 30–5/16 × 35–7/16 × 12–5/8 (770 x 900 x 321)                                                                                                                       | 30–5/16 × 35–7/16 × 12–5/8 (770 x 900 x 321)                                                                                                                       |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          |
| Comp.                            | Model                   |              | 2YC63HDX#ED                                                                                                                                                        | 2YC63HDX#ED                                                                                                                                                        |
|                                  | Type                    |              | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     |
|                                  | Motor output            | kW           | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                |
| Fan                              | Model                   |              | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            |
|                                  | Type                    |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output            | W            | 70                                                                                                                                                                 | 70                                                                                                                                                                 |
|                                  | Airflow rate            | cfm (m³/min) | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         |
| Mass (Weight)                    |                         | Lbs (kg)     | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                         |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                         | %            | 35-100                                                                                                                                                             | 30-100                                                                                                                                                             |
| Refrigerant control              |                         |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length         | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length             | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
|                                  | Max. height difference  | ft (m)       | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            |
| Refrigerant                      | Model                   |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge (factory charge) | Lbs (kg)     | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          |
| Ref. oil                         |                         |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
| Drawing Number                   |                         |              | C: 4D071677                                                                                                                                                        | C: 4D071677                                                                                                                                                        |

#### Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB /19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling for indoor fan motor heat.

## 3.1.4 FBQ

| Model                            | Indoor unit              |              | FBQ18PVJU                                                                                                                                                          | FBQ24PVJU                                                                                                                                                          | FBQ30PVJU                                                                                                                                                          |
|----------------------------------|--------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit             |              | RZR18PVJU                                                                                                                                                          | RZR24PVJU                                                                                                                                                          | RZR30PVJU                                                                                                                                                          |
| Power supply                     |                          |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 2</sup> |                          | Btu/h        | 18,000                                                                                                                                                             | 24,000                                                                                                                                                             | 30,000                                                                                                                                                             |
| SEER (Rated)                     |                          |              | 17.5                                                                                                                                                               | 16.5                                                                                                                                                               | 16.0                                                                                                                                                               |
| EER (Rated)                      |                          | Btu/h-W      | 14.1                                                                                                                                                               | 12.0                                                                                                                                                               | 10.5                                                                                                                                                               |
| Indoor unit                      |                          |              | FBQ18PVJU                                                                                                                                                          | FBQ24PVJU                                                                                                                                                          | FBQ30PVJU                                                                                                                                                          |
| Color                            |                          |              | Galvanized steel plate                                                                                                                                             | Galvanized steel plate                                                                                                                                             | Galvanized steel plate                                                                                                                                             |
| Dimensions                       | HxWxD                    | in (mm)      | 11–13/16 × 39–3/8 × 27–9/16<br>(300 x 1000 x 700)                                                                                                                  | 11–13/16 × 39–3/8 × 27–9/16<br>(300 x 1000 x 700)                                                                                                                  | 11–13/16 × 39–3/8 × 27–9/16<br>(300 x 1000 x 700)                                                                                                                  |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI          |              | 3 × 16 × 15                                                                                                                                                        | 3 × 16 × 15                                                                                                                                                        | 3 × 16 × 15                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 2.68 (0.8)                                                                                                                                                         | 2.68 (0.8)                                                                                                                                                         | 2.68 (0.8)                                                                                                                                                         |
| Fan                              | Model                    |              | —                                                                                                                                                                  | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                     |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output             | W            | 350                                                                                                                                                                | 350                                                                                                                                                                | 350                                                                                                                                                                |
|                                  | Airflow rate (HH/H/L)    | cfm (m³/min) | 635/582/529 (18 / 16.5 / 15)                                                                                                                                       | 688/618/565 (19.5 / 17.5 / 16)                                                                                                                                     | 882/794/706 (25 / 22.5 / 20)                                                                                                                                       |
|                                  | External static pressure | “Wg          | Standard 0.40 (0.80–0.20 <sup>3</sup> )                                                                                                                            | Standard 0.40 (0.80–0.20 <sup>3</sup> )                                                                                                                            | Standard 0.40 (0.80–0.20 <sup>3</sup> )                                                                                                                            |
| Air filter                       |                          |              | Note <sup>4</sup>                                                                                                                                                  | Note <sup>4</sup>                                                                                                                                                  | Note <sup>4</sup>                                                                                                                                                  |
| Mass (Weight)                    |                          | Lbs (kg)     | 80 (36)                                                                                                                                                            | 80 (36)                                                                                                                                                            | 80 (36)                                                                                                                                                            |
| Piping connections               | Liquid                   | in (mm)      | φ1/4 (6.4) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ1/2 (12.7) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                    | in (mm)      | VP25 (External dia. 1-1/4 (31.8),<br>internal dia.1 (25.4))                                                                                                        | VP25 (External dia. 1-1/4 (31.8),<br>internal dia.1 (25.4))                                                                                                        | VP25 (External dia. 1-1/4 (31.8),<br>internal dia.1 (25.4))                                                                                                        |
| Remote controller (option)       |                          | Wired        | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  |                          | Wireless     | BRC4C82                                                                                                                                                            | BRC4C82                                                                                                                                                            | BRC4C82                                                                                                                                                            |
| Outdoor unit                     |                          |              | RZR18PVJU                                                                                                                                                          | RZR24PVJU                                                                                                                                                          | RZR30PVJU                                                                                                                                                          |
| Color                            |                          |              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              |
| Dimensions                       | HxWxD                    | in (mm)      | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI          |              | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          |
| Comp.                            | Model                    |              | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        |
|                                  | Type                     |              | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     |
|                                  | Motor output             | kW           | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                |
| Fan                              | Model                    |              | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            |
|                                  | Type                     |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output             | W            | 70                                                                                                                                                                 | 70                                                                                                                                                                 | 70                                                                                                                                                                 |
|                                  | Airflow rate             | cfm (m³/min) | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         |
| Mass (Weight)                    |                          | Lbs (kg)     | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           |
| Piping connections               | Liquid                   | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                    | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                          |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                          | %            | 35-100                                                                                                                                                             | 30-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                          |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length          | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length              | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
|                                  | Max. height difference   | ft (m)       | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            |
| Refrigerant                      | Model                    |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge                   | Lbs (kg)     | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          |
| Ref. oil                         | Model                    |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                   | L (oz)       | 0.75 (25.4)                                                                                                                                                        | 0.75 (25.4)                                                                                                                                                        | 0.75 (25.4)                                                                                                                                                        |
| Drawing Number                   |                          |              | C: 4D074134                                                                                                                                                        | C: 4D074134                                                                                                                                                        | C: 4D074134                                                                                                                                                        |

## Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB / 19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling for indoor fan motor heat.
- External static pressure is changeable in 14 stages within the ( ) range by remote controller.
- An air filter is not a standard accessory, but should be mounted in the duct system of the suction side. Select dust collection efficiency of (gravity method) 50% or more.

| Model                            | Indoor unit              |              | FBQ36PVJU                                                                                                                                                          | FBQ42PVJU                                                                                                                                                          |
|----------------------------------|--------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit             |              | RZR36PVJU                                                                                                                                                          | RZR42PVJU                                                                                                                                                          |
| Power supply                     |                          |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 2</sup> |                          | Btu/h        | 36,000                                                                                                                                                             | 42,000                                                                                                                                                             |
| SEER (Rated)                     |                          |              | 17.5                                                                                                                                                               | 16.0                                                                                                                                                               |
| EER (Rated)                      |                          | Btu/h-W      | 11.2                                                                                                                                                               | 10.2                                                                                                                                                               |
| Indoor unit                      |                          |              | FBQ36PVJU                                                                                                                                                          | FBQ42PVJU                                                                                                                                                          |
| Color                            |                          |              | Galvanized steel plate                                                                                                                                             | Galvanized steel plate                                                                                                                                             |
| Dimensions                       | HxWxD                    | in (mm)      | 11–13/16 × 55–1/8 × 27–9/16<br>(300 x 1400 x 700)                                                                                                                  | 11–13/16 × 55–1/8 × 27–9/16<br>(300 x 1400 x 700)                                                                                                                  |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI          |              | 3 × 16 × 15                                                                                                                                                        | 3 × 16 × 15                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 4.12 (1.3)                                                                                                                                                         | 4.12 (1.3)                                                                                                                                                         |
| Fan                              | Model                    |              | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                     |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output             | W            | 350                                                                                                                                                                | 350                                                                                                                                                                |
|                                  | Airflow rate (HH/H/L)    | cfm (m³/min) | 1130/953/812 (32/27/23)                                                                                                                                            | 1377/1165/988 (39/33/28)                                                                                                                                           |
|                                  | External static pressure | "Wg          | Standard 0.40 (0.80–0.20 <sup>3</sup> )                                                                                                                            | Standard 0.40 (0.80–0.20 <sup>3</sup> )                                                                                                                            |
| Air filter                       |                          |              | Note <sup>4</sup>                                                                                                                                                  | Note <sup>4</sup>                                                                                                                                                  |
| Mass (Weight)                    |                          | Lbs (kg)     | 102 (46)                                                                                                                                                           | 102 (46)                                                                                                                                                           |
| Piping connections               | Liquid                   | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                    | in (mm)      | VP25 (External dia. 1–1/4 (31.8),<br>Internal dia. 1 (25.4))                                                                                                       | VP25 (External dia. 1–1/4 (31.8),<br>Internal dia. 1 (25.4))                                                                                                       |
| Remote controller (option)       | Wired                    |              | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  | Wireless                 |              | BRC4C82                                                                                                                                                            | BRC4C82                                                                                                                                                            |
| Outdoor unit                     |                          |              | RZR36PVJU                                                                                                                                                          | RZR42PVJU                                                                                                                                                          |
| Color                            |                          |              | Ivory white (5Y7. 5/1)                                                                                                                                             | Ivory white (5Y7. 5/1)                                                                                                                                             |
| Dimensions                       | HxWxD                    | in (mm)      | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                                                                     | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                                                                     |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI          |              | 2 × 60 × 13                                                                                                                                                        | 2 × 60 × 13                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 12.2 (3.7)                                                                                                                                                         | 12.2 (3.7)                                                                                                                                                         |
| Comp.                            | Model                    |              | JT100G-VDLW@T                                                                                                                                                      | JT100G-VDLW@T                                                                                                                                                      |
|                                  | Type                     |              | Hermetically sealed scroll type                                                                                                                                    | Hermetically sealed scroll type                                                                                                                                    |
|                                  | Motor output             | kW           | 2.5                                                                                                                                                                | 3.0                                                                                                                                                                |
| Fan                              | Model                    |              | KFD-325-70-8C2                                                                                                                                                     | KFD-325-70-8C2                                                                                                                                                     |
|                                  | Type                     |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output             | W            | 70×2                                                                                                                                                               | 70×2                                                                                                                                                               |
|                                  | Airflow rate             | cfm (m³/min) | 3,740 (106)                                                                                                                                                        | 3,740 (106)                                                                                                                                                        |
| Mass (Weight)                    |                          | Lbs (kg)     | 283 (128)                                                                                                                                                          | 283 (128)                                                                                                                                                          |
| Piping connections               | Liquid                   | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                    | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                          |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                          | %            | 25-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                          |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length          | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length              | ft (m)       | 230 (70)                                                                                                                                                           | 230 (70)                                                                                                                                                           |
|                                  | Max. height difference   | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
| Refrigerant                      | Model                    |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge                   | Lbs (kg)     | 8.8 (4)                                                                                                                                                            | 8.8 (4)                                                                                                                                                            |
| Ref. oil                         | Model                    |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                   | L (oz)       | 1.5 (50)                                                                                                                                                           | 1.5 (50)                                                                                                                                                           |
| Drawing Number                   |                          |              | C: 4D074135                                                                                                                                                        | C: 4D074135                                                                                                                                                        |

**Notes:**

- Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling for indoor fan motor heat.
- External static pressure is changeable in 14 stages within the ( ) range by remote controller.
- An air filter is not a standard accessory, but should be mounted in the duct system of the suction side. Select dust collection efficiency of (gravity method) 50% or more.

## 3.2 Heat Pump

### 3.2.1 FCQ / Ceiling mounted cassette type (Round flow)

| Model                            | Indoor unit             |                                   | FCQ18PAVJU                                                                                                     | FCQ24PAVJU                                                                                                     | FCQ30PAVJU                                                                                                     |
|----------------------------------|-------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |                                   | RZQ18PVJU9                                                                                                     | RZQ24PVJU9                                                                                                     | RZQ30PVJU9                                                                                                     |
| Power supply                     |                         |                                   | 1 phase, 208/230V, 60Hz                                                                                        | 1 phase, 208/230V, 60Hz                                                                                        | 1 phase, 208/230V, 60Hz                                                                                        |
| Cooling capacity <sup>1, 4</sup> | Btu/h                   |                                   | 18,000                                                                                                         | 24,000                                                                                                         | 30,000                                                                                                         |
| Heating capacity <sup>2, 4</sup> | Btu/h                   |                                   | 20,000                                                                                                         | 27,000                                                                                                         | 34,000                                                                                                         |
| Heating capacity <sup>3, 4</sup> | Btu/h                   |                                   | 12,000                                                                                                         | 18,000                                                                                                         | 22,000                                                                                                         |
| SEER (Rated)                     |                         |                                   | 17.2                                                                                                           | 16.8                                                                                                           | 15.8                                                                                                           |
| EER (Rated)                      | Btu/h-W                 |                                   | 13.9                                                                                                           | 12.0                                                                                                           | 10.2                                                                                                           |
| HSPF (Rated)                     |                         |                                   | 10.1                                                                                                           | 9.7                                                                                                            | 9.7                                                                                                            |
| Indoor unit                      |                         |                                   | FCQ18PAVJU                                                                                                     | FCQ24PAVJU                                                                                                     | FCQ30PAVJU                                                                                                     |
| Color                            |                         |                                   | Galvanized steel plate                                                                                         | Galvanized steel plate                                                                                         | Galvanized steel plate                                                                                         |
| Dimensions                       | HxWxD                   | in (mm)                           | 9-11/16 x 33-1/16 x 33-1/16<br>(246 x 840 x 840)                                                               | 9-11/16 x 33-1/16 x 33-1/16<br>(246 x 840 x 840)                                                               | 9-11/16 x 33-1/16 x 33-1/16<br>(246 x 840 x 840)                                                               |
| Coil                             | Type                    |                                   | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 |
|                                  | Rows×Stages×FPI         |                                   | 2 × 6 × 21                                                                                                     | 2 × 10 × 21                                                                                                    | 2 × 10 × 21                                                                                                    |
|                                  | Face area               | ft <sup>2</sup> (m <sup>2</sup> ) | 2.87 (0.9)                                                                                                     | 4.80 (1.5)                                                                                                     | 4.80 (1.5)                                                                                                     |
| Fan                              | Model                   |                                   | QTS48C15M                                                                                                      | QTS48C15M                                                                                                      | QTS48C15M                                                                                                      |
|                                  | Type                    |                                   | Turbo fan                                                                                                      | Turbo fan                                                                                                      | Turbo fan                                                                                                      |
|                                  | Motor output            | W                                 | 56                                                                                                             | 56                                                                                                             | 56                                                                                                             |
|                                  | Airflow rate (HH/H/L)   | cfm (m <sup>3</sup> /min)         | 560/470/390 (16/13/11)                                                                                         | 780/620/470 (22/16/13)                                                                                         | 830/670/530 (24/19/15)                                                                                         |
| Air filter                       |                         |                                   | —                                                                                                              | —                                                                                                              | —                                                                                                              |
| Mass (Weight)                    | Lbs (kg)                |                                   | 43 (19.5)                                                                                                      | 48.5 (22)                                                                                                      | 48.5 (22)                                                                                                      |
| Piping connections               | Liquid                  | in (mm)                           | φ1/4 (6.4) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  |
|                                  | Gas                     | in (mm)                           | φ1/2 (12.7) (Flare connection)                                                                                 | φ5/8 (15.8) (Flare connection)                                                                                 | φ5/8 (15.8) (Flare connection)                                                                                 |
|                                  | Drain                   | in (mm)                           | VP25 (External dia. 1-1/4 (31.8), Internal dia. 1 (25.4))                                                      | VP25 (External dia. 1-1/4 (31.8), Internal dia. 1 (25.4))                                                      | VP25 (External dia. 1-1/4 (31.8), Internal dia. 1 (25.4))                                                      |
| Remote controller (option)       | Wired                   |                                   | BRC1E71                                                                                                        | BRC1E71                                                                                                        | BRC1E71                                                                                                        |
|                                  | Wireless                |                                   | —                                                                                                              | —                                                                                                              | —                                                                                                              |
| Decoration panels (option)       | Model                   |                                   | BYCP125K-W1                                                                                                    | BYCP125K-W1                                                                                                    | BYCP125K-W1                                                                                                    |
|                                  | Color                   |                                   | Fresh white                                                                                                    | Fresh white                                                                                                    | Fresh white                                                                                                    |
|                                  | Dimensions              | HxWxD in (mm)                     | 2 × 37-3/8 x 37-3/8 (51 x 949 x 949)                                                                           | 2 × 37-3/8 x 37-3/8 (51 x 949 x 949)                                                                           | 2 × 37-3/8 x 37-3/8 (51 x 949 x 949)                                                                           |
|                                  | Air filter              |                                   | Resin net (with mold resistant)                                                                                | Resin net (with mold resistant)                                                                                | Resin net (with mold resistant)                                                                                |
|                                  | Weight                  | Lbs (kg)                          | 12.2 (5.5)                                                                                                     | 12.2 (5.5)                                                                                                     | 12.2 (5.5)                                                                                                     |
| Outdoor unit                     |                         |                                   | RZQ18PVJU9                                                                                                     | RZQ24PVJU9                                                                                                     | RZQ30PVJU9                                                                                                     |
| Color                            |                         |                                   | Ivory                                                                                                          | Ivory                                                                                                          | Ivory                                                                                                          |
| Dimensions                       | HxWxD                   | in (mm)                           | 30-5/16 x 35-7/16 x 12-5/8<br>(770 x 900 x 321)                                                                | 30-5/16 x 35-7/16 x 12-5/8<br>(770 x 900 x 321)                                                                | 30-5/16 x 35-7/16 x 12-5/8<br>(770 x 900 x 321)                                                                |
| Coil                             | Type                    |                                   | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 | Cross fin coil                                                                                                 |
|                                  | Rows×Stages×FPI         |                                   | 2 × 34 × 18                                                                                                    | 2 × 34 × 18                                                                                                    | 2 × 34 × 18                                                                                                    |
|                                  | Face area               | ft <sup>2</sup> (m <sup>2</sup> ) | 7.1 (2.2)                                                                                                      | 7.1 (2.2)                                                                                                      | 7.1 (2.2)                                                                                                      |
| Comp.                            | Model                   |                                   | 2YC63HDX#ED                                                                                                    | 2YC63HDX#ED                                                                                                    | 2YC63HDX#ED                                                                                                    |
|                                  | Type                    |                                   | Hermetically sealed swing type                                                                                 | Hermetically sealed swing type                                                                                 | Hermetically sealed swing type                                                                                 |
|                                  | Motor output            | kW                                | 1.7                                                                                                            | 1.7                                                                                                            | 1.7                                                                                                            |
| Fan                              | Model                   |                                   | P47N11F                                                                                                        | P47N11F                                                                                                        | P47N11F                                                                                                        |
|                                  | Type                    |                                   | Propeller fan                                                                                                  | Propeller fan                                                                                                  | Propeller fan                                                                                                  |
|                                  | Motor output            | W                                 | 70                                                                                                             | 70                                                                                                             | 70                                                                                                             |
|                                  | Airflow rate            | cfm (m <sup>3</sup> /min)         | 1,835 (52)                                                                                                     | 1,835 (52)                                                                                                     | 1,835 (52)                                                                                                     |
| Mass (Weight)                    | Lbs (kg)                |                                   | 150 (68)                                                                                                       | 150 (68)                                                                                                       | 150 (68)                                                                                                       |
| Piping connections               | Liquid                  | in (mm)                           | φ3/8 (9.5) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  | φ3/8 (9.5) (Flare connection)                                                                                  |
|                                  | Gas                     | in (mm)                           | φ5/8 (15.8) (Flare connection)                                                                                 | φ5/8 (15.8) (Flare connection)                                                                                 | φ5/8 (15.8) (Flare connection)                                                                                 |
|                                  | Drain                   | in (mm)                           | φ1 (25.4) (Hole)                                                                                               | φ1 (25.4) (Hole)                                                                                               | φ1 (25.4) (Hole)                                                                                               |
| Safety devices                   |                         |                                   | High pressure switch. Outdoor fan driver overload protector. Inverter overload protector. Fusible plugs. Fuse. | High pressure switch. Outdoor fan driver overload protector. Inverter overload protector. Fusible plugs. Fuse. | High pressure switch. Outdoor fan driver overload protector. Inverter overload protector. Fusible plugs. Fuse. |
| Capacity step                    | %                       |                                   | 35-100                                                                                                         | 30-100                                                                                                         | 25-100                                                                                                         |
| Refrigerant control              |                         |                                   | Electronic expansion valve                                                                                     | Electronic expansion valve                                                                                     | Electronic expansion valve                                                                                     |
| Ref. piping                      | Standard length         | ft (m)                            | 25 (7.5)                                                                                                       | 25 (7.5)                                                                                                       | 25 (7.5)                                                                                                       |
|                                  | Max. length             | ft (m)                            | 164 (50)                                                                                                       | 164 (50)                                                                                                       | 164 (50)                                                                                                       |
|                                  | Max. height difference  | ft (m)                            | 98 (30)                                                                                                        | 98 (30)                                                                                                        | 98 (30)                                                                                                        |
| Refrigerant                      | Model                   |                                   | R-410A                                                                                                         | R-410A                                                                                                         | R-410A                                                                                                         |
|                                  | Charge (factory charge) | Lbs (kg)                          | 5.1 (2.3)                                                                                                      | 5.1 (2.3)                                                                                                      | 5.1 (2.3)                                                                                                      |
| Ref. oil                         | Model                   |                                   | Refer to the name plate of compressor.                                                                         | Refer to the name plate of compressor.                                                                         | Refer to the name plate of compressor.                                                                         |
|                                  | Charge                  | L (oz)                            | 0.75 (25)                                                                                                      | 0.75 (25)                                                                                                      | 0.75 (25)                                                                                                      |
| Drawing Number                   |                         |                                   | C: 4D074128                                                                                                    | C: 4D074128                                                                                                    | C: 4D074128                                                                                                    |

1. Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

2. Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB (8.3°CDB / 6°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

3. Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 17°FDB, 15°FWB (-8.3°CDB / -9.4°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

## Ceiling mounted cassette type (Round flow), continued

| Model                            | Indoor unit             |               |                                                                                                                         | FCQ36PAVJU                                                                                                              | FCQ42PAVJU                 |
|----------------------------------|-------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|
|                                  | Outdoor unit            |               |                                                                                                                         | RZQ36PVJU9                                                                                                              | RZQ42PVJU9                 |
| Power supply                     |                         |               |                                                                                                                         | 1 phase, 208/230V, 60Hz                                                                                                 | 1 phase, 208/230V, 60Hz    |
| Cooling capacity <sup>1, 4</sup> |                         | Btu/h         | 36,000                                                                                                                  | 42,000                                                                                                                  |                            |
| Heating capacity <sup>2, 4</sup> |                         | Btu/h         | 40,000                                                                                                                  | 47,000                                                                                                                  |                            |
| Heating capacity <sup>3, 4</sup> |                         | Btu/h         | 21,000                                                                                                                  | 25,000                                                                                                                  |                            |
| SEER (Rated)                     |                         |               | 17.5                                                                                                                    | 16.0                                                                                                                    |                            |
| EER (Rated)                      |                         | Btu/h-W       | 11.2                                                                                                                    | 10.2                                                                                                                    |                            |
| HSPF (Rated)                     |                         |               | 8.4                                                                                                                     | 8.5                                                                                                                     |                            |
| Indoor unit                      |                         |               |                                                                                                                         | FCQ36PAVJU                                                                                                              | FCQ42PAVJU                 |
| Color                            |                         |               |                                                                                                                         | Galvanized steel plate                                                                                                  | Galvanized steel plate     |
| Dimensions                       | HxWxD                   | in (mm)       | 11–5/16 × 33–1/16 × 33–1/16 (287 x 840 x 840)                                                                           | 11–5/16 × 33–1/16 × 33–1/16 (287 x 840 x 840)                                                                           |                            |
| Coil                             | Type                    |               | Cross fin coil                                                                                                          | Cross fin coil                                                                                                          |                            |
|                                  | RowsxStagesxFPI         |               | 2 × 12 × 21                                                                                                             | 2 × 12 × 21                                                                                                             |                            |
|                                  | Face area               | ft² (m²)      | 5.76 (1.8)                                                                                                              | 5.76 (1.8)                                                                                                              |                            |
| Fan                              | Model                   |               | QTS48C15M                                                                                                               | QTS48C15M                                                                                                               |                            |
|                                  | Type                    |               | Turbo fan                                                                                                               | Turbo fan                                                                                                               |                            |
|                                  | Motor output            | W             | 120                                                                                                                     | 120                                                                                                                     |                            |
|                                  | Airflow rate (HH/H/L)   | cfm (m³/min)  | 1180/910/700 (33/26/20)                                                                                                 | 1220/970/790 (35/28/22)                                                                                                 |                            |
| Air filter                       |                         |               |                                                                                                                         | —                                                                                                                       | —                          |
| Mass (Weight)                    |                         | Lbs (kg)      | 55 (25)                                                                                                                 | 55 (25)                                                                                                                 |                            |
| Piping connections               | Liquid                  | in (mm)       | φ3/8 (9.5) (Flare connection)                                                                                           | φ3/8 (9.5) (Flare connection)                                                                                           |                            |
|                                  | Gas                     | in (mm)       | φ5/8 (15.8)(Flare connection)                                                                                           | φ5/8 (15.8) (Flare connection)                                                                                          |                            |
|                                  | Drain                   | in (mm)       | VP25 (External dia. 1–1/4 (31.8), Internal dia. 1(25.4))                                                                | VP25 (External dia. 1–1/4 (31.8), Internal dia. 1(25.4))                                                                |                            |
| Remote controller (option)       |                         | Wired         | BRC1E71                                                                                                                 | BRC1E71                                                                                                                 |                            |
|                                  |                         | Wireless      | —                                                                                                                       | —                                                                                                                       |                            |
| Decoration panels (option)       | Model                   |               | BYCP125K–W1                                                                                                             | BYCP125K–W1                                                                                                             |                            |
|                                  | Color                   |               | Fresh white                                                                                                             | Fresh white                                                                                                             |                            |
|                                  | Dimensions              | HxWxD in (mm) | 2 × 37–3/8 × 37–3/8 (51 x 949 x 949)                                                                                    | 2 × 37–3/8 × 37–3/8 (51 x 949 x 949)                                                                                    |                            |
|                                  | Air filter              |               | Resin net (with mold resistant)                                                                                         | Resin net (with mold resistant)                                                                                         |                            |
|                                  | Weight                  | Lbs (kg)      | 12.2 (5.5)                                                                                                              | 12.2 (5.5)                                                                                                              |                            |
| Outdoor unit                     |                         |               |                                                                                                                         | RZQ36PVJU9                                                                                                              | RZQ42PVJU9                 |
| Color                            |                         |               |                                                                                                                         | Ivory white (5Y7.5/1)                                                                                                   | Ivory white (5Y7.5/1)      |
| Dimensions                       | HxWxD                   | in (mm)       | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                          | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                          |                            |
| Coil                             | Type                    |               | Cross fin coil                                                                                                          | Cross fin coil                                                                                                          |                            |
|                                  | RowsxStagesxFPI         |               | 2 × 60 × 13                                                                                                             | 2 × 60 × 13                                                                                                             |                            |
|                                  | Face area               | ft² (m²)      | 12.2 (3.7)                                                                                                              | 12.2 (3.7)                                                                                                              |                            |
| Comp.                            | Model                   |               | JT100G-VDLW@T                                                                                                           | JT100G-VDLW@T                                                                                                           |                            |
|                                  | Type                    |               | Hermetically sealed scroll type                                                                                         | Hermetically sealed scroll type                                                                                         |                            |
|                                  | Motor output            | kW            | 2.5                                                                                                                     | 3.0                                                                                                                     |                            |
| Fan                              | Model                   |               | KFD–325–70–8C2                                                                                                          | KFD–325–70–8C2                                                                                                          |                            |
|                                  | Type                    |               | Propeller fan                                                                                                           | Propeller fan                                                                                                           |                            |
|                                  | Motor output            | W             | 70 × 2                                                                                                                  | 70 × 2                                                                                                                  |                            |
|                                  | Airflow rate            | cfm (m³/min)  | 3,740 (106)                                                                                                             | 3,740 (106)                                                                                                             |                            |
| Mass (Weight)                    |                         | Lbs (kg)      | 283 (128)                                                                                                               | 283 (128)                                                                                                               |                            |
| Piping connections               | Liquid                  | in (mm)       | φ3/8 (9.5) (Flare connection)                                                                                           | φ3/8 (9.5) (Flare connection)                                                                                           |                            |
|                                  | Gas                     | in (mm)       | φ5/8 (15.8) (Flare connection)                                                                                          | φ5/8 (15.8) (Flare connection)                                                                                          |                            |
|                                  | Drain                   | in (mm)       | φ1 (25.4) (Hole)                                                                                                        | φ1 (25.4) (Hole)                                                                                                        |                            |
| Safety devices                   |                         |               | High pressure switch.<br>Outdoor fan driver overload protector.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |                            |
| Capacity step                    |                         | %             | 25-100                                                                                                                  | 25-100                                                                                                                  |                            |
| Refrigerant control              |                         |               |                                                                                                                         | Electronic expansion valve                                                                                              | Electronic expansion valve |
| Ref. piping                      | Standard length         | ft (m)        | 25 (7.5)                                                                                                                | 25 (7.5)                                                                                                                |                            |
|                                  | Max. length             | ft (m)        | 230 (70)                                                                                                                | 230 (70)                                                                                                                |                            |
|                                  | Max. height difference  | ft (m)        | 164 (50)                                                                                                                | 164 (50)                                                                                                                |                            |
| Refrigerant                      | Model                   |               | R-410A                                                                                                                  | R-410A                                                                                                                  |                            |
|                                  | Charge (factory charge) | Lbs (kg)      | 8.8 (4)                                                                                                                 | 8.8 (4)                                                                                                                 |                            |
| Ref. oil                         | Model                   |               | Refer to the name plate of compressor.                                                                                  | Refer to the name plate of compressor.                                                                                  |                            |
|                                  | Charge                  | L (oz)        | 1.5 (51)                                                                                                                | 1.5 (51)                                                                                                                |                            |
| Drawing Number                   |                         |               |                                                                                                                         | C: 4D074129                                                                                                             | C: 4D074129                |

1. Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

2. Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB (8.3°CDB / 6°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

3. Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 17°FDB, 15°FWB (-8.3°CDB / -9.4°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

## 3.2.2 FHQ

## Ceiling suspended type

| Model                            | Indoor unit             |              | FHQ18PVJU                                                                                                                                                          | FHQ24PVJU                                                                                                                                                          | FHQ30PVJU                                                                                                                                                          |
|----------------------------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |              | RZQ18PVJU9                                                                                                                                                         | RZQ24PVJU9                                                                                                                                                         | RZQ30PVJU                                                                                                                                                          |
| Power supply                     |                         |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 3</sup> |                         | Btu/h        | 18,000                                                                                                                                                             | 24,000                                                                                                                                                             | 30,000                                                                                                                                                             |
| Heating capacity <sup>2, 3</sup> |                         | Btu/h        | 20,000                                                                                                                                                             | 27,000                                                                                                                                                             | 34,000                                                                                                                                                             |
| SEER (Rated)                     |                         |              | 18.0                                                                                                                                                               | 18.1                                                                                                                                                               | 17.2                                                                                                                                                               |
| EER (Rated)                      |                         | Btu/h-W      | 14.0                                                                                                                                                               | 12.6                                                                                                                                                               | 10.5                                                                                                                                                               |
| HSPF (Rated)                     |                         |              | 11.1                                                                                                                                                               | 10.0                                                                                                                                                               | 8.4                                                                                                                                                                |
| Indoor unit                      |                         |              | FHQ18PVJU                                                                                                                                                          | FHQ24PVJU                                                                                                                                                          | FHQ30PVJU                                                                                                                                                          |
| Color                            |                         |              | White (10Y9/0.5)                                                                                                                                                   | White (10Y9/0.5)                                                                                                                                                   | White (10Y9/0.5)                                                                                                                                                   |
| Dimensions                       | H×W×D                   | in (mm)      | 7–11/16 × 62–5/8 × 26–3/4<br>(195 x 1591 x 680)                                                                                                                    | 7–11/16 × 62–5/8 × 26–3/4<br>(195 x 1591 x 680)                                                                                                                    | 7–11/16 × 62–5/8 × 26–3/4<br>(195 x 1591 x 680)                                                                                                                    |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          |
|                                  | Face area               | ft² (m²)     | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            |
| Fan                              | Model                   |              | —                                                                                                                                                                  | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                    |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output            | W            | 130                                                                                                                                                                | 130                                                                                                                                                                | 130                                                                                                                                                                |
|                                  | Airflow rate (H/L)      | cfm (m³/min) | 790/670 (22/19)                                                                                                                                                    | 790/670 (22/19)                                                                                                                                                    | 790/670 (22/19)                                                                                                                                                    |
| Air filter                       |                         |              | Resin net (With mold resistant)                                                                                                                                    | Resin net (With mold resistant)                                                                                                                                    | Resin net (With mold resistant)                                                                                                                                    |
| Mass (Weight)                    |                         | Lbs (kg)     | 90 (41)                                                                                                                                                            | 90 (41)                                                                                                                                                            | 90 (41)                                                                                                                                                            |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare Connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | VP20 (External dia. 1 (25.4),<br>Internal dia. 3/4 (19.1) )                                                                                                        | VP20 (External dia. 1 (25.4),<br>Internal dia. 3/4 (19.1) )                                                                                                        | VP20 (External dia. 1 (25.4),<br>Internal dia. 3/4 (19.1) )                                                                                                        |
| Remote controller (option)       | Wired                   |              | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  | Wireless                |              | BRC7E83                                                                                                                                                            | BRC7E83                                                                                                                                                            | BRC7E83                                                                                                                                                            |
| Outdoor unit                     |                         |              | RZQ18PVJU9                                                                                                                                                         | RZQ24PVJU9                                                                                                                                                         | RZQ30PVJU                                                                                                                                                          |
| Color                            |                         |              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              |
| Dimensions                       | H×W×D                   | in (mm)      | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          |
| Comp.                            | Model                   |              | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        |
|                                  | Type                    |              | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     |
|                                  | Motor output            | kW           | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                |
| Fan                              | Model                   |              | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            |
|                                  | Type                    |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output            | W            | 70                                                                                                                                                                 | 70                                                                                                                                                                 | 70                                                                                                                                                                 |
|                                  | Airflow rate            | cfm (m³/min) | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         |
| Mass (Weight)                    |                         | Lbs (kg)     | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                         |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                         | %            | 35-100                                                                                                                                                             | 30-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                         |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length         | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length             | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
|                                  | Max. height difference  | ft (m)       | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            |
| Refrigerant                      | Model                   |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge (factory charge) | Lbs (kg)     | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          |
| Ref. oil                         | Model                   |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                  | L (oz)       | 0.75 (25.4)                                                                                                                                                        | 0.75 (25.4)                                                                                                                                                        | 0.75 (25.4)                                                                                                                                                        |
| Drawing Number                   |                         |              | C: 4D063925E                                                                                                                                                       | C: 4D063925E                                                                                                                                                       | C: 4D063925E                                                                                                                                                       |

## Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB (8.3°CDB / 6°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

## Ceiling suspended type, continued

| Model                            | Indoor unit             |              | FHQ36MVJU                                                                                                                                                          | FHQ42MVJU                                                                                                                                                          |
|----------------------------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |              | RZQ36PVJU9                                                                                                                                                         | RZQ42PVJU9                                                                                                                                                         |
| Power supply                     |                         |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 3</sup> |                         | Btu/h        | 36,000                                                                                                                                                             | 40,500                                                                                                                                                             |
| Heating capacity <sup>2, 3</sup> |                         | Btu/h        | 37,500                                                                                                                                                             | 39,500                                                                                                                                                             |
| SEER (Rated)                     |                         |              | 14.0                                                                                                                                                               | 13.8                                                                                                                                                               |
| EER (Rated)                      |                         | Btu/h-W      | 10.2                                                                                                                                                               | 9.5                                                                                                                                                                |
| HSPF (Rated)                     |                         |              | 8.1                                                                                                                                                                | 8.2                                                                                                                                                                |
| Indoor unit                      |                         |              | FHQ36MVJU                                                                                                                                                          | FHQ42MVJU                                                                                                                                                          |
| Color                            |                         |              | White (10Y9/0.5)                                                                                                                                                   | White (10Y9/0.5)                                                                                                                                                   |
| Dimensions                       | H×W×D                   | in (mm)      | 7–11/16 × 62–5/8 × 26–3/4 (195 x 1591 x 680)                                                                                                                       | 7–11/16 × 62–5/8 × 26–3/4 (195 x 1591 x 680)                                                                                                                       |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          | 2 × 12 × 15 + 2 × 10 × 15                                                                                                                                          |
|                                  | Face area               | ft² (m²)     | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            | 3.66 + 2.95 (1.1 + 0.9)                                                                                                                                            |
| Fan                              | Model                   |              | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                    |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output            | W            | 130                                                                                                                                                                | 130                                                                                                                                                                |
|                                  | Airflow rate (H/L)      | cfm (m³/min) | 830/670 (24/19)                                                                                                                                                    | 850/700 (24/19)                                                                                                                                                    |
| Air filter                       |                         |              | Resin net (With mold resistant)                                                                                                                                    | Resin net (With mold resistant)                                                                                                                                    |
| Mass (Weight)                    |                         | Lbs (kg)     | 90 (41)                                                                                                                                                            | 90 (41)                                                                                                                                                            |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | VP20 (External dia. 1(25.4), Internal dia. 3/4 (19.1))                                                                                                             | VP20 (External dia. 1 (25.4), Internal dia. 3/4 (19.1))                                                                                                            |
| Remote controller (option)       |                         | Wired        | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  |                         | Wireless     | BRC7E83                                                                                                                                                            | BRC7E83                                                                                                                                                            |
| Outdoor unit                     |                         |              | RZQ36PVJU9                                                                                                                                                         | RZQ42PVJU9                                                                                                                                                         |
| Color                            |                         |              | Ivory white (5Y7.5/1)                                                                                                                                              | Ivory white (5Y7.5/1)                                                                                                                                              |
| Dimensions                       | H×W×D                   | in (mm)      | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                                                                     | 52–15/16 × 35–7/16 × 12–5/8 (1345 x 900 x 321)                                                                                                                     |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 60 × 13                                                                                                                                                        | 2 × 60 × 13                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 12.2 (3.7)                                                                                                                                                         | 12.2 (3.7)                                                                                                                                                         |
| Comp.                            | Model                   |              | JT100G-VDLW@T                                                                                                                                                      | JT100G-VDLW@T                                                                                                                                                      |
|                                  | Type                    |              | Hermetically sealed scroll type                                                                                                                                    | Hermetically sealed scroll type                                                                                                                                    |
|                                  | Motor output            | kW           | 2.5                                                                                                                                                                | 3.0                                                                                                                                                                |
| Fan                              | Model                   |              | KFD–325–70–8C2                                                                                                                                                     | KFD–325–70–8C2                                                                                                                                                     |
|                                  | Type                    |              | Propeller Fan                                                                                                                                                      | Propeller Fan                                                                                                                                                      |
|                                  | Motor output            | W            | 70×2                                                                                                                                                               | 70×2                                                                                                                                                               |
|                                  | Airflow rate            | cfm (m³/min) | 3,740 (106)                                                                                                                                                        | 3,740 (106)                                                                                                                                                        |
| Mass (Weight)                    |                         | Lbs (kg)     | 283 (128)                                                                                                                                                          | 283 (128)                                                                                                                                                          |
| Piping connections               | Liquid                  | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                         |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                         | %            | 25-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                         |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length         | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length             | ft (m)       | 230 (70)                                                                                                                                                           | 230 (70)                                                                                                                                                           |
|                                  | Max. height difference  | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
| Refrigerant                      | Model                   |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge (factory charge) | Lbs (kg)     | 8.8 (4)                                                                                                                                                            | 8.8 (4)                                                                                                                                                            |
| Ref. oil                         | Model                   |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                  | L (oz)       | 1.5 (50.7)                                                                                                                                                         | 1.5 (50.7)                                                                                                                                                         |
| Drawing Number                   |                         |              | C: 4D071674                                                                                                                                                        | C: 4D071674                                                                                                                                                        |

## Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB (8.3°CDB / 6°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

### 3.2.3 FAQ

#### Wall mounted type

| Model                            | Indoor unit             |              | FAQ18PVJU                                                                                                                                                          | FAQ24PVJU                                                                                                                                                          |
|----------------------------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit            |              | RZQ18PVJU9                                                                                                                                                         | RZQ24PVJU9                                                                                                                                                         |
| Power supply                     |                         |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 3</sup> |                         | Btu/h        | 18,000                                                                                                                                                             | 24,000                                                                                                                                                             |
| Heating capacity <sup>2, 3</sup> |                         | Btu/h        | 20,000                                                                                                                                                             | 26,000                                                                                                                                                             |
| SEER (Rated)                     |                         |              | 18.6                                                                                                                                                               | 17.6                                                                                                                                                               |
| EER (Rated)                      |                         | Btu/h-W      | 12.7                                                                                                                                                               | 10.2                                                                                                                                                               |
| HSPF (Rated)                     |                         |              | 8.7                                                                                                                                                                | 9.1                                                                                                                                                                |
| Indoor unit                      |                         |              | FAQ18PVJU                                                                                                                                                          | FAQ24PVJU                                                                                                                                                          |
| Color                            |                         |              | White (3.0Y8.5/0.5)                                                                                                                                                | White (3.0Y8.5/0.5)                                                                                                                                                |
| Dimensions                       | H×W×D                   | in (mm)      | 11–3/8 × 41–3/8 × 9 (289 x 1051 x 229)                                                                                                                             | 11–3/8 × 41–3/8 × 9 (289 x 1051 x 229)                                                                                                                             |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 14 × 18                                                                                                                                                        | 2 × 14 × 18                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 2.29 (0.7)                                                                                                                                                         | 2.29 (0.7)                                                                                                                                                         |
| Fan                              | Model                   |              | QCL9686M                                                                                                                                                           | QCL9686M                                                                                                                                                           |
|                                  | Type                    |              | Cross flow fan                                                                                                                                                     | Cross flow fan                                                                                                                                                     |
|                                  | Motor output            | W            | 43                                                                                                                                                                 | 43                                                                                                                                                                 |
|                                  | Airflow rate (H/L)      | cfm (m³/min) | 500/400 (14/11)                                                                                                                                                    | 635/470 (18/13)                                                                                                                                                    |
| Air filter                       |                         |              | Resin net (Washable)                                                                                                                                               | Resin net (Washable)                                                                                                                                               |
| Mass (Weight)                    |                         | Lbs (kg)     | 31 (14)                                                                                                                                                            | 31 (14)                                                                                                                                                            |
| Piping connections               | Liquid                  | in (mm)      | ϕ3/8 (9.5) (Flare connection)                                                                                                                                      | ϕ3/8 (9.5)(Flare connection)                                                                                                                                       |
|                                  | Gas                     | in (mm)      | ϕ5/8 (15.8) (Flare connection)                                                                                                                                     | ϕ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | VP13 (External dia. 11/16 (17.5), Internal dia. 1/2 (12.7))                                                                                                        | VP13 (External dia. 11/16 (17.5), Internal dia. 1/2 (12.7))                                                                                                        |
| Remote controller (option)       | Wired                   |              | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  | Wireless                |              | BRC7E818                                                                                                                                                           | BRC7E818                                                                                                                                                           |
| Outdoor unit                     |                         |              | RZQ18PVJU9                                                                                                                                                         | RZQ24PVJU9                                                                                                                                                         |
| Color                            |                         |              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              |
| Dimensions                       | H×W×D                   | in (mm)      | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    |
| Coil                             | Type                    |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | Rows×Stages×FPI         |              | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        |
|                                  | Face area               | ft² (m²)     | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          |
| Comp.                            | Model                   |              | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        |
|                                  | Type                    |              | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     |
|                                  | Motor output            | kW           | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                |
| Fan                              | Model                   |              | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            |
|                                  | Type                    |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output            | W            | 70                                                                                                                                                                 | 70                                                                                                                                                                 |
|                                  | Airflow rate            | cfm (m³/min) | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         |
| Mass (Weight)                    |                         | Lbs (kg)     | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           |
| Piping connections               | Liquid                  | in (mm)      | ϕ3/8 (9.5) (Flare connection)                                                                                                                                      | ϕ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                     | in (mm)      | ϕ5/8 (15.8) (Flare connection)                                                                                                                                     | ϕ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                   | in (mm)      | ϕ1 (25.4) (Hole)                                                                                                                                                   | ϕ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                         |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                         | %            | 35-100                                                                                                                                                             | 30-100                                                                                                                                                             |
| Refrigerant control              |                         |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length         | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length             | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
|                                  | Max. height difference  | ft (m)       | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            |
| Refrigerant                      | Model                   |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge (factory charge) | Lbs (kg)     | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          |
| Ref. oil                         | Model                   |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                  | L (oz)       | 0.75 (25.4)                                                                                                                                                        | 0.75 (25.4)                                                                                                                                                        |
| Drawing Number                   |                         |              | C: 4D062151F                                                                                                                                                       | C: 4D062151F                                                                                                                                                       |

#### Notes:

- Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB (8.3°CDB / 6°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

## 3.2.4 FBQ

| Model                            | Indoor unit              |              | FBQ18PVJU                                                                                                                                                          | FBQ24PVJU                                                                                                                                                          | FBQ30PVJU                                                                                                                                                          |
|----------------------------------|--------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit             |              | RZQ18PVJU9                                                                                                                                                         | RZQ24PVJU9                                                                                                                                                         | RZQ30PVJU                                                                                                                                                          |
| Power supply                     |                          |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 4</sup> |                          | Btu/h        | 18,000                                                                                                                                                             | 24,000                                                                                                                                                             | 30,000                                                                                                                                                             |
| Heating capacity <sup>2, 4</sup> |                          | Btu/h        | 20,000                                                                                                                                                             | 27,000                                                                                                                                                             | 34,000                                                                                                                                                             |
| Heating capacity <sup>3, 4</sup> |                          | Btu/h        | 12,000                                                                                                                                                             | 18,000                                                                                                                                                             | 22,000                                                                                                                                                             |
| SEER (Rated)                     |                          |              | 17.5                                                                                                                                                               | 16.5                                                                                                                                                               | 16.0                                                                                                                                                               |
| EER (Rated)                      |                          | Btu/h-W      | 14.1                                                                                                                                                               | 12.0                                                                                                                                                               | 10.5                                                                                                                                                               |
| HSPF (Rated)                     |                          |              | 10.6                                                                                                                                                               | 10.5                                                                                                                                                               | 9.2                                                                                                                                                                |
| Indoor unit                      |                          |              | FBQ18PVJU                                                                                                                                                          | FBQ24PVJU                                                                                                                                                          | FBQ30PVJU                                                                                                                                                          |
| Color                            |                          |              | Galvanized steel plate                                                                                                                                             | Galvanized steel plate                                                                                                                                             | Galvanized steel plate                                                                                                                                             |
| Dimensions                       | HxWxD                    | in (mm)      | 11–13/16 × 39–3/8 × 27–9/16<br>(300 x 1000 x 700)                                                                                                                  | 11–13/16 × 39–3/8 × 27–9/16<br>(300 x 1000 x 700)                                                                                                                  | 11–13/16 × 39–3/8 × 27–9/16<br>(300 x 1000 x 700)                                                                                                                  |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | RowsxStagesxFPI          |              | 3 × 16 × 15                                                                                                                                                        | 3 × 16 × 15                                                                                                                                                        | 3 × 16 × 15                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 2.68 (0.8)                                                                                                                                                         | 2.68 (0.8)                                                                                                                                                         | 2.68 (0.8)                                                                                                                                                         |
| Fan                              | Model                    |              | —                                                                                                                                                                  | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                     |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output             | W            | 350                                                                                                                                                                | 350                                                                                                                                                                | 350                                                                                                                                                                |
|                                  | Airflow rate (HH/H/L)    | cfm (m³/min) | 635/582/529 (18/17/15)                                                                                                                                             | 688/618/565 (20/18/16)                                                                                                                                             | 882/794/706 (25/23/20)                                                                                                                                             |
|                                  | External static pressure |              | “Wg                                                                                                                                                                | Standard 0.40 (0.80–0.20 <sup>5</sup> )                                                                                                                            | Standard 0.40 (0.80–0.20 <sup>5</sup> )                                                                                                                            |
|                                  | Air filter               |              | Note <sup>6</sup>                                                                                                                                                  | Note <sup>6</sup>                                                                                                                                                  | Note <sup>6</sup>                                                                                                                                                  |
| Mass (Weight)                    |                          | Lbs (kg)     | 80 (36)                                                                                                                                                            | 80 (36)                                                                                                                                                            | 80 (36)                                                                                                                                                            |
| Piping connections               | Liquid                   | in (mm)      | φ1/4 (6.4) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ1/2 (12.7) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8)(Flare connection)                                                                                                                                      |
|                                  | Drain                    | in (mm)      | VP25 (External dia. 1-1/4 (31.8),<br>internal dia.1 (25.4))                                                                                                        | VP25 (External dia. 1-1/4 (31.8),<br>internal dia.1 (25.4))                                                                                                        | VP25 (External dia. 1-1/4 (31.8),<br>internal dia.1 (25.4))                                                                                                        |
| Remote controller (option)       |                          | Wired        | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  |                          | Wireless     | BRC4C82                                                                                                                                                            | BRC4C82                                                                                                                                                            | BRC4C82                                                                                                                                                            |
| Outdoor unit                     |                          |              | RZQ18PVJU9                                                                                                                                                         | RZQ24PVJU9                                                                                                                                                         | RZQ30PVJU                                                                                                                                                          |
| Color                            |                          |              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              | Ivory                                                                                                                                                              |
| Dimensions                       | HxWxD                    | in (mm)      | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    | 30–5/16 × 35–7/16 × 12–5/8<br>(770 x 900 x 321)                                                                                                                    |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | RowsxStagesxFPI          |              | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        | 2 × 34 × 18                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          | 7.1 (2.2)                                                                                                                                                          |
| Comp.                            | Model                    |              | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        | 2YC63HXD#ED                                                                                                                                                        |
|                                  | Type                     |              | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     | Hermetically sealed swing type                                                                                                                                     |
|                                  | Motor output             | kW           | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                | 1.7                                                                                                                                                                |
| Fan                              | Model                    |              | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            | P47N11F                                                                                                                                                            |
|                                  | Type                     |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output             | W            | 70                                                                                                                                                                 | 70                                                                                                                                                                 | 70                                                                                                                                                                 |
|                                  | Airflow rate             | cfm (m³/min) | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         | 1,835 (52)                                                                                                                                                         |
| Mass (Weight)                    |                          | Lbs (kg)     | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           | 150 (68)                                                                                                                                                           |
| Piping connections               | Liquid                   | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                    | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4) (Hole)                                                                                                                                                   |
| Safety devices                   |                          |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                          | %            | 35-100                                                                                                                                                             | 30-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                          |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length          | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length              | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
|                                  | Max. height difference   | ft (m)       | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            | 98 (30)                                                                                                                                                            |
| Refrigerant                      | Model                    |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge                   | Lbs (kg)     | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          | 5.1 (2.3)                                                                                                                                                          |
| Ref. oil                         | Model                    |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                   | L (oz)       | 0.75 (25.4)                                                                                                                                                        | 0.75 (25.4)                                                                                                                                                        | 0.75 (25.4)                                                                                                                                                        |
| Drawing Number                   |                          |              | C: 4D074130                                                                                                                                                        | C: 4D074130                                                                                                                                                        | C: 4D074130                                                                                                                                                        |

1. Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

2. Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB (8.3°CDB / 6°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

3. Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 17°FDB, 15°FWB (-8.3°CDB / -9.4°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.

4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

5. External static pressure is changeable in 14 stages within the ( ) range by remote controller.

6. An air filter is not a standard accessory, but should be mounted in the duct system of the suction side. Select dust collection efficiency of (gravity method) 50% or more.

| Model                            | Indoor unit              |              | FBQ36PVJU                                                                                                                                                          | FBQ42PVJU                                                                                                                                                          |
|----------------------------------|--------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Outdoor unit             |              | RZQ36PVJU9                                                                                                                                                         | RZQ42PVJU9                                                                                                                                                         |
| Power supply                     |                          |              | 1 phase, 208/230V, 60Hz                                                                                                                                            | 1 phase, 208/230V, 60Hz                                                                                                                                            |
| Cooling capacity <sup>1, 4</sup> |                          | Btu/h        | 36,000                                                                                                                                                             | 42,000                                                                                                                                                             |
| Heating capacity <sup>2, 4</sup> |                          | Btu/h        | 40,000                                                                                                                                                             | 47,000                                                                                                                                                             |
| Heating capacity <sup>3, 4</sup> |                          | Btu/h        | 21,000                                                                                                                                                             | 25,000                                                                                                                                                             |
| SEER (Rated)                     |                          |              | 17.5                                                                                                                                                               | 16.0                                                                                                                                                               |
| EER (Rated)                      |                          | Btu/h-W      | 11.2                                                                                                                                                               | 10.2                                                                                                                                                               |
| HSPF (Rated)                     |                          |              | 9.1                                                                                                                                                                | 8.8                                                                                                                                                                |
| Indoor unit                      |                          |              | FBQ36PVJU                                                                                                                                                          | FBQ42PVJU                                                                                                                                                          |
| Color                            |                          |              | Galvanized steel plate                                                                                                                                             | Galvanized steel plate                                                                                                                                             |
| Dimensions                       | HxWxD                    | in (mm)      | 11–13/16 x 55–1/8 x 27–9/16 (300 x 1400 x 700)                                                                                                                     | 11–13/16 x 55–1/8 x 27–9/16 (300 x 1400 x 700)                                                                                                                     |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | RowsxStagesxFPI          |              | 3 x 16 x 15                                                                                                                                                        | 3 x 16 x 15                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 4.12 (1.3)                                                                                                                                                         | 4.12 (1.3)                                                                                                                                                         |
| Fan                              | Model                    |              | —                                                                                                                                                                  | —                                                                                                                                                                  |
|                                  | Type                     |              | Sirocco fan                                                                                                                                                        | Sirocco fan                                                                                                                                                        |
|                                  | Motor output             | W            | 350                                                                                                                                                                | 350                                                                                                                                                                |
|                                  | Airflow rate (HH/H/L)    | cfm (m³/min) | 1130/953/812 (32/27/23)                                                                                                                                            | 1377/1165/988 (39/33/28)                                                                                                                                           |
|                                  | External static pressure | “Wg          | Standard 0.40 (0.80–0.20 <sup>5</sup> )                                                                                                                            | Standard 0.40 (0.80–0.20 <sup>5</sup> )                                                                                                                            |
| Air filter                       |                          |              | Note <sup>6</sup>                                                                                                                                                  | Note <sup>6</sup>                                                                                                                                                  |
| Mass (Weight)                    |                          | Lbs (kg)     | 102 (46)                                                                                                                                                           | 102 (46)                                                                                                                                                           |
| Piping connections               | Liquid                   | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                    | in (mm)      | VP25 (External dia. 1-1/4 (31.8), internal dia.1 (25.4))                                                                                                           | VP25 (External dia. 1-1/4 (31.8), internal dia.1 (25.4))                                                                                                           |
| Remote controller (option)       | Wired                    |              | BRC1E71                                                                                                                                                            | BRC1E71                                                                                                                                                            |
|                                  | Wireless                 |              | BRC4C82                                                                                                                                                            | BRC4C82                                                                                                                                                            |
| Outdoor unit                     |                          |              | RZQ36PVJU9                                                                                                                                                         | RZQ42PVJU9                                                                                                                                                         |
| Color                            |                          |              | Ivory white (5Y7. 5/1)                                                                                                                                             | Ivory white (5Y7. 5/1)                                                                                                                                             |
| Dimensions                       | HxWxD                    | in (mm)      | 52–15/16 x 35–7/16 x 12–5/8 (1345 x 900 x 321)                                                                                                                     | 52–15/16 x 35–7/16 x 12–5/8 (1345 x 900 x 321)                                                                                                                     |
| Coil                             | Type                     |              | Cross fin coil                                                                                                                                                     | Cross fin coil                                                                                                                                                     |
|                                  | RowsxStagesxFPI          |              | 2 x 60 x 13                                                                                                                                                        | 2 x 60 x 13                                                                                                                                                        |
|                                  | Face area                | ft² (m²)     | 12.2 (3.7)                                                                                                                                                         | 12.2 (3.7)                                                                                                                                                         |
| Comp.                            | Model                    |              | JT100G-VDLW@T                                                                                                                                                      | JT100G-VDLW@T                                                                                                                                                      |
|                                  | Type                     |              | Hermetically sealed scroll type                                                                                                                                    | Hermetically sealed scroll type                                                                                                                                    |
|                                  | Motor output             | kW           | 2.5                                                                                                                                                                | 3.0                                                                                                                                                                |
| Fan                              | Model                    |              | KFD-325-70-8C2                                                                                                                                                     | KFD-325-70-8C2                                                                                                                                                     |
|                                  | Type                     |              | Propeller fan                                                                                                                                                      | Propeller fan                                                                                                                                                      |
|                                  | Motor output             | W            | 70x2                                                                                                                                                               | 70x2                                                                                                                                                               |
|                                  | Airflow rate             | cfm (m³/min) | 3,740 (106)                                                                                                                                                        | 3,740 (106)                                                                                                                                                        |
| Mass (Weight)                    |                          | Lbs (kg)     | 283 (128)                                                                                                                                                          | 283 (128)                                                                                                                                                          |
| Piping connections               | Liquid                   | in (mm)      | φ3/8 (9.5) (Flare connection)                                                                                                                                      | φ3/8 (9.5) (Flare connection)                                                                                                                                      |
|                                  | Gas                      | in (mm)      | φ5/8 (15.8) (Flare connection)                                                                                                                                     | φ5/8 (15.8) (Flare connection)                                                                                                                                     |
|                                  | Drain                    | in (mm)      | φ1 (25.4) (Hole)                                                                                                                                                   | φ1 (25.4)(Hole)                                                                                                                                                    |
| Safety devices                   |                          |              | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. | High pressure switch.<br>Outdoor fan driver overload protector.<br>Thermal protector for indoor fan motor.<br>Inverter overload protector.<br>Fusible plugs. Fuse. |
| Capacity step                    |                          | %            | 25-100                                                                                                                                                             | 25-100                                                                                                                                                             |
| Refrigerant control              |                          |              | Electronic expansion valve                                                                                                                                         | Electronic expansion valve                                                                                                                                         |
| Ref. piping                      | Standard length          | ft (m)       | 25 (7.5)                                                                                                                                                           | 25 (7.5)                                                                                                                                                           |
|                                  | Max. length              | ft (m)       | 230 (70)                                                                                                                                                           | 230 (70)                                                                                                                                                           |
|                                  | Max. height difference   | ft (m)       | 164 (50)                                                                                                                                                           | 164 (50)                                                                                                                                                           |
| Refrigerant                      | Model                    |              | R-410A                                                                                                                                                             | R-410A                                                                                                                                                             |
|                                  | Charge                   | Lbs (kg)     | 8.8 (4)                                                                                                                                                            | 8.8 (4)                                                                                                                                                            |
| Ref. oil                         | Model                    |              | Refer to the name plate of compressor.                                                                                                                             | Refer to the name plate of compressor.                                                                                                                             |
|                                  | Charge                   | L (oz)       | 1.5 (50.7)                                                                                                                                                         | 1.5 (50.7)                                                                                                                                                         |
| Drawing Number                   |                          |              | C: 4D074131                                                                                                                                                        | C: 4D074131                                                                                                                                                        |

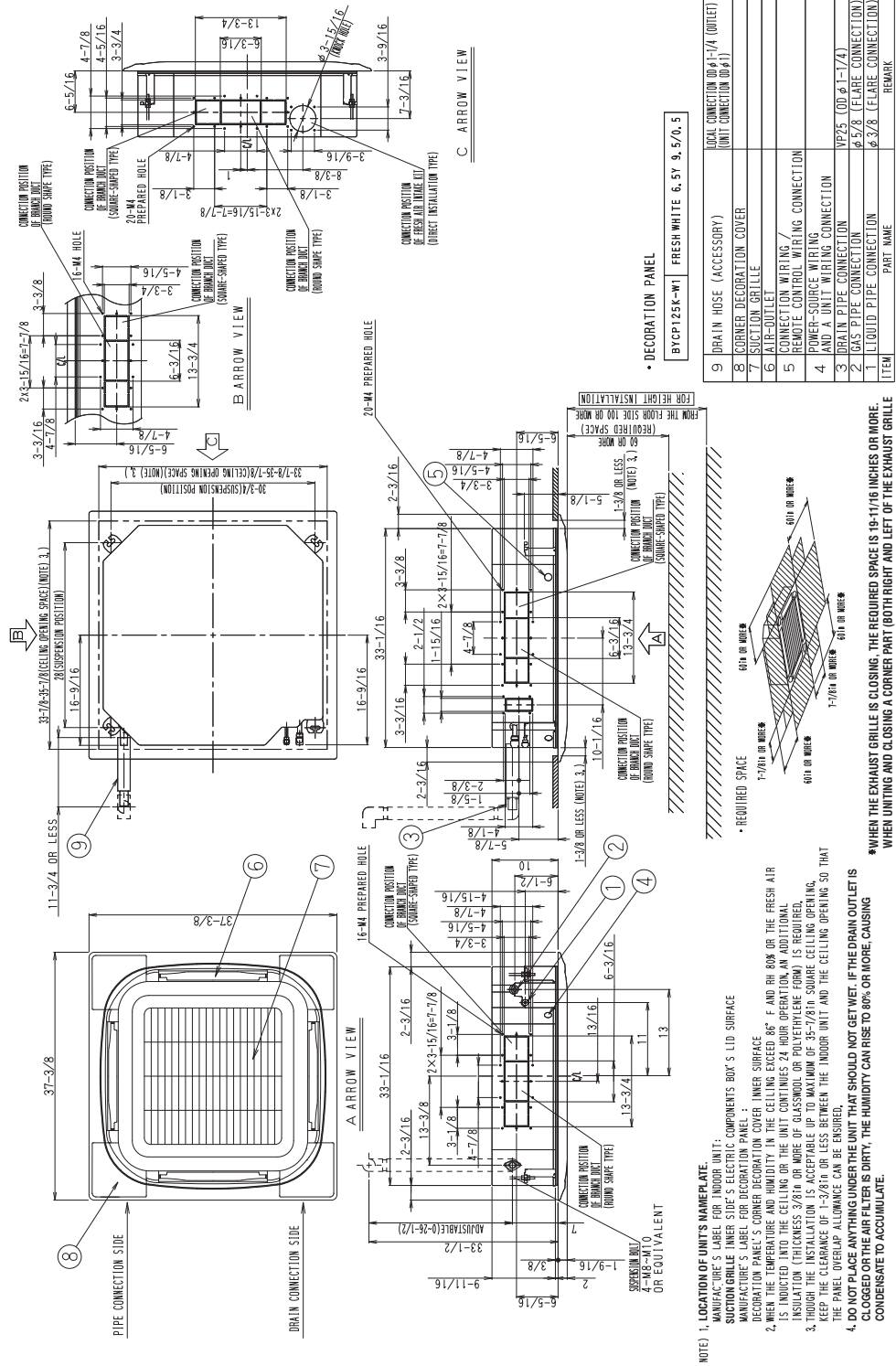
**Notes:**

- Indoor temp. : 80°FDB, 67°FWB (27°CDB)/(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB (8.3°CDB / 6°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 17°FDB, 15°FWB (-8.3°CDB /-9.4°CWB) / Equivalent piping length : 25 ft (7.5 m), level difference : 0.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- External static pressure is changeable in 14 stages within the ( ) range by remote controller.
- An air filter is not a standard accessory, but should be mounted in the duct system of the suction side. Select its dust collection efficiency of (gravity method) 50% or more.



FCQ24PAVJU / FCQ30PAVJU

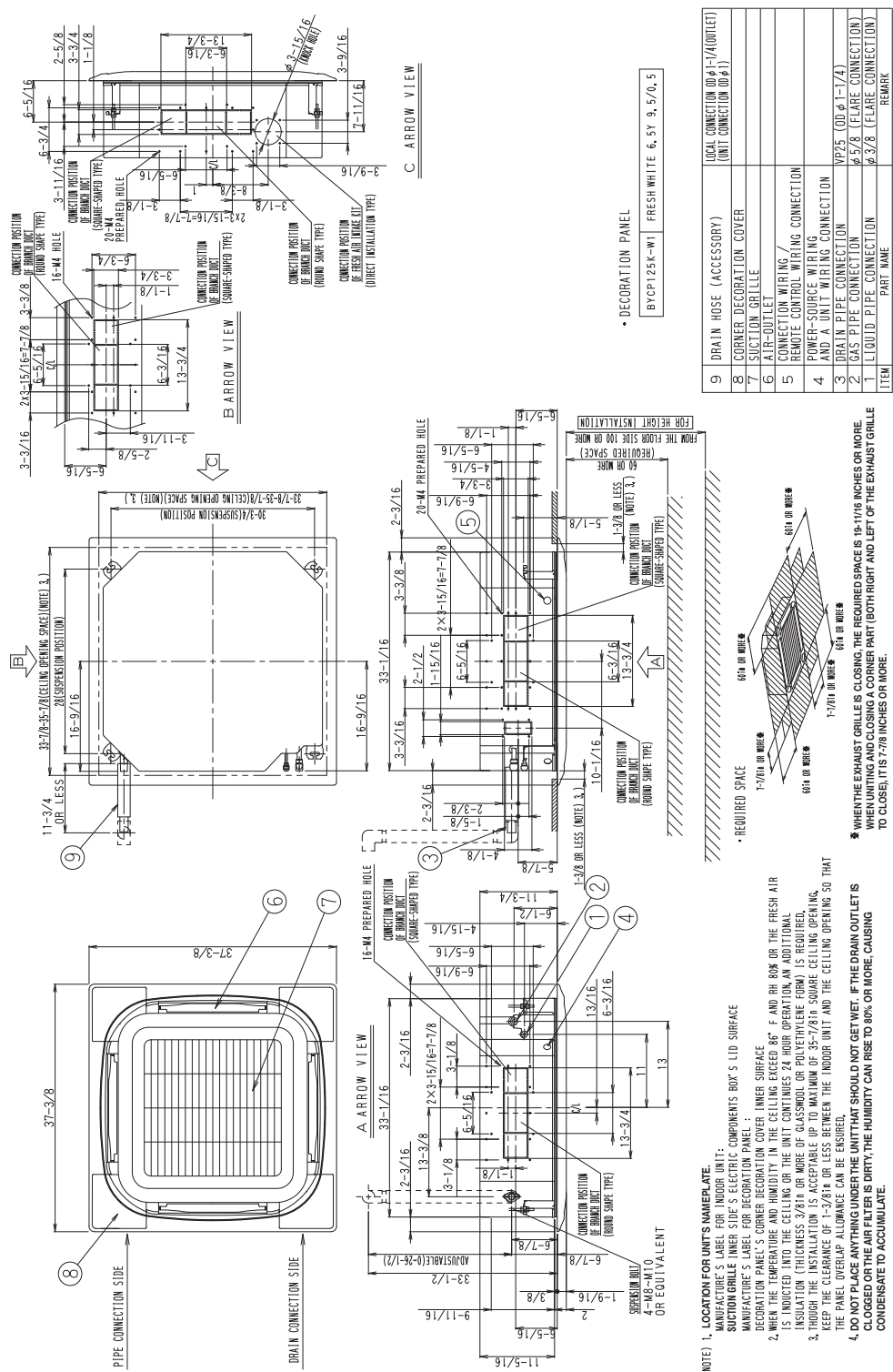
Unit (in.)



3D070524A

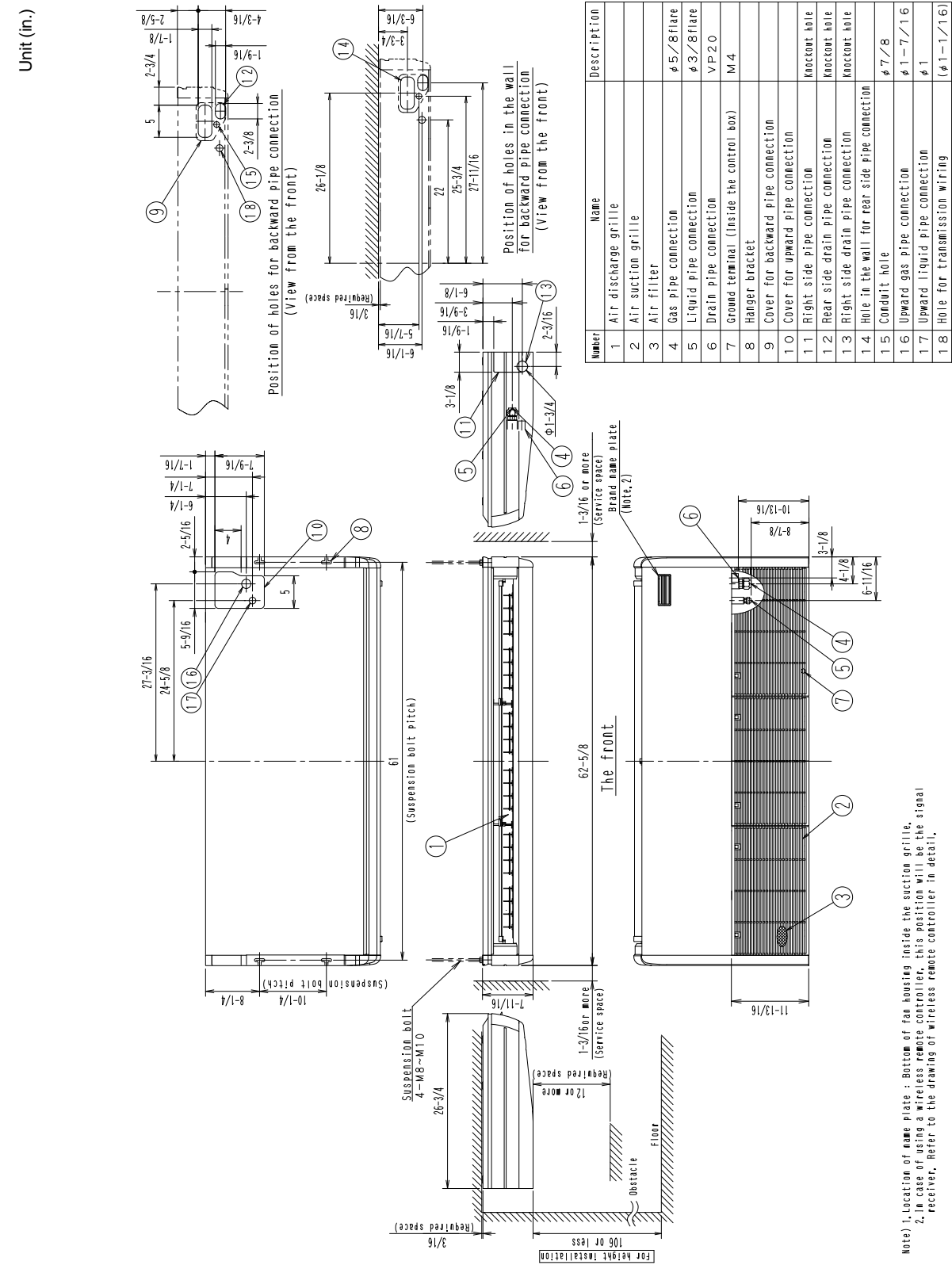
FCQ36PAVJU / FCQ42PAVJU

Unit (in.)



4.1.2 FHQ (Ceiling suspended type)

FHQ18PVJU / FHQ24PVJU / FHQ30PVJU  
FHQ36MVJU / FHQ42MVJU



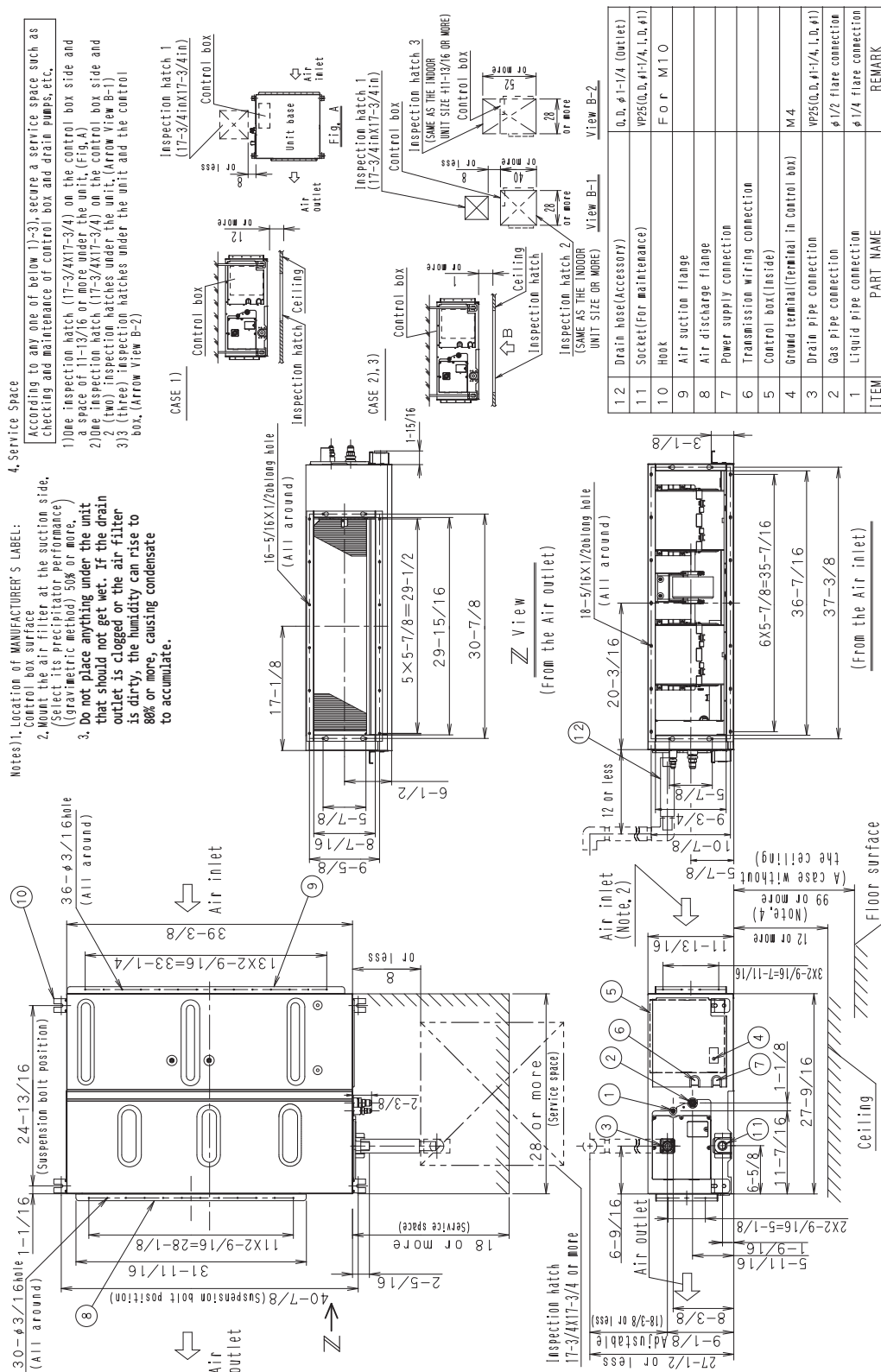
3D049332B



#### 4.1.4 FBQ (Ceiling mounted duct type)

**FBQ18PVJU**

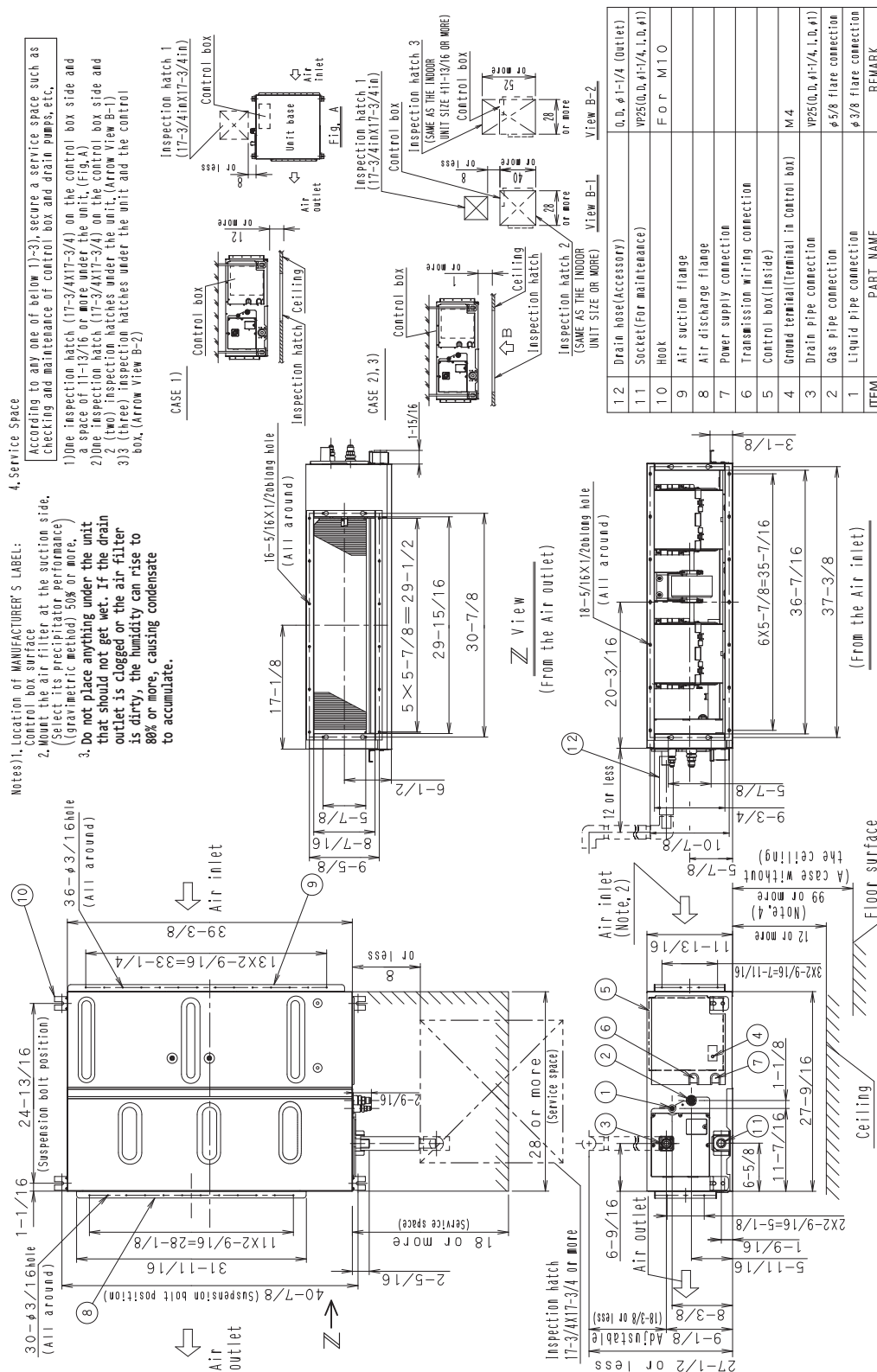
Unit (in.)



3D065977A

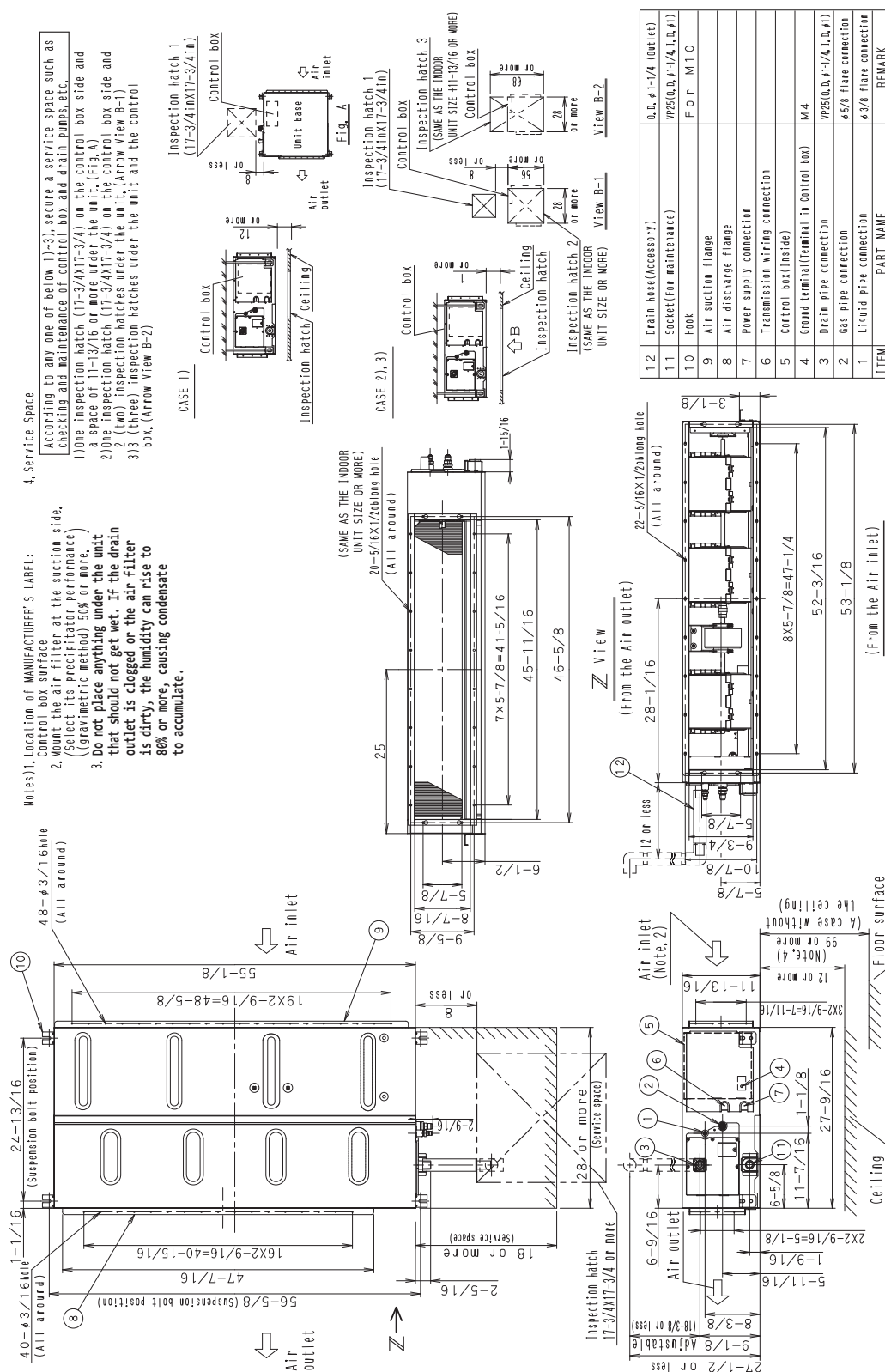
**FBQ24PVJU / FBQ30PVJU**

Unit (in.)



**FBQ36PVJU / FBQ42PVJU**

Unit (in.)



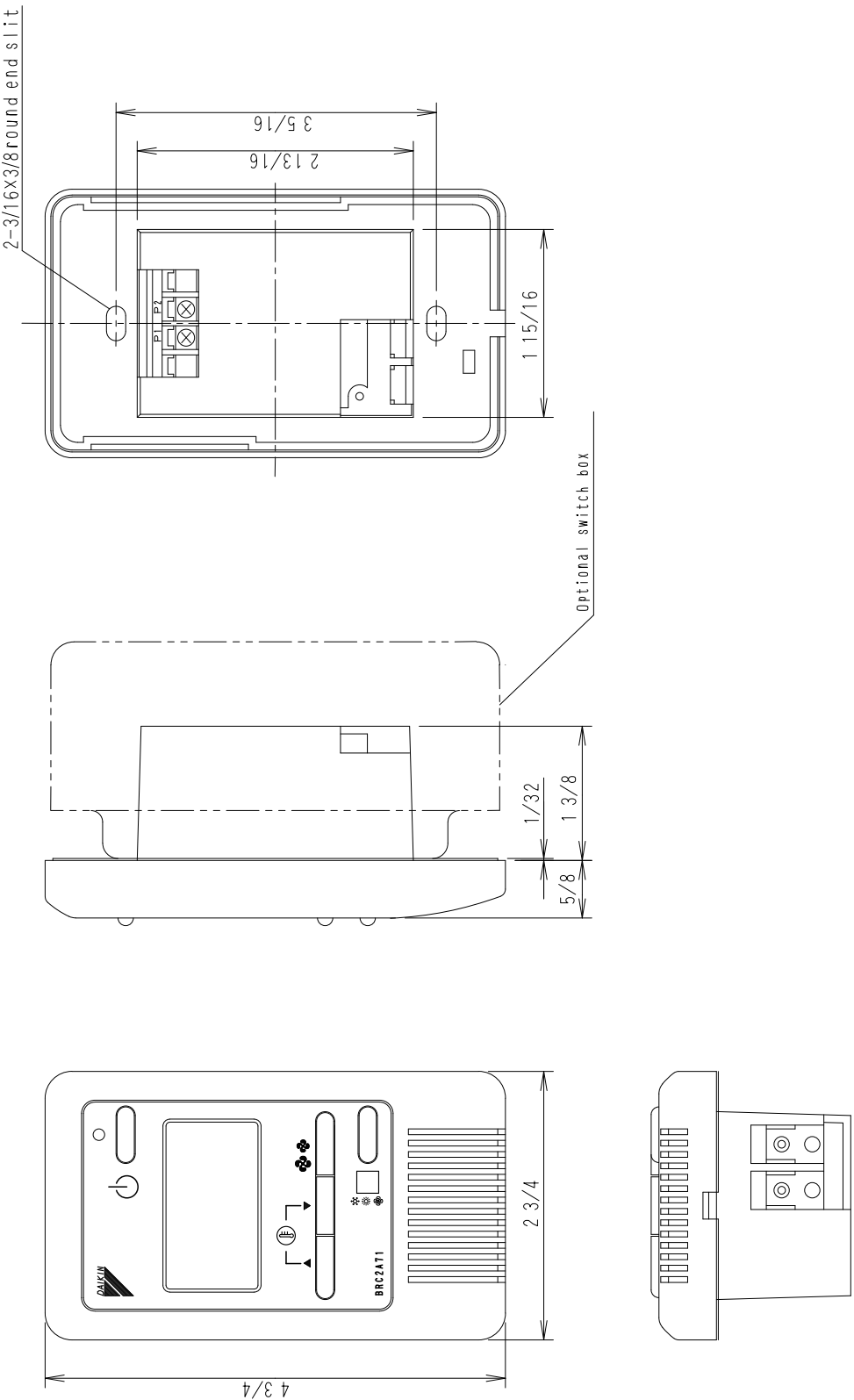
C: 3D065979B



BRC2A71

Unit (in.)

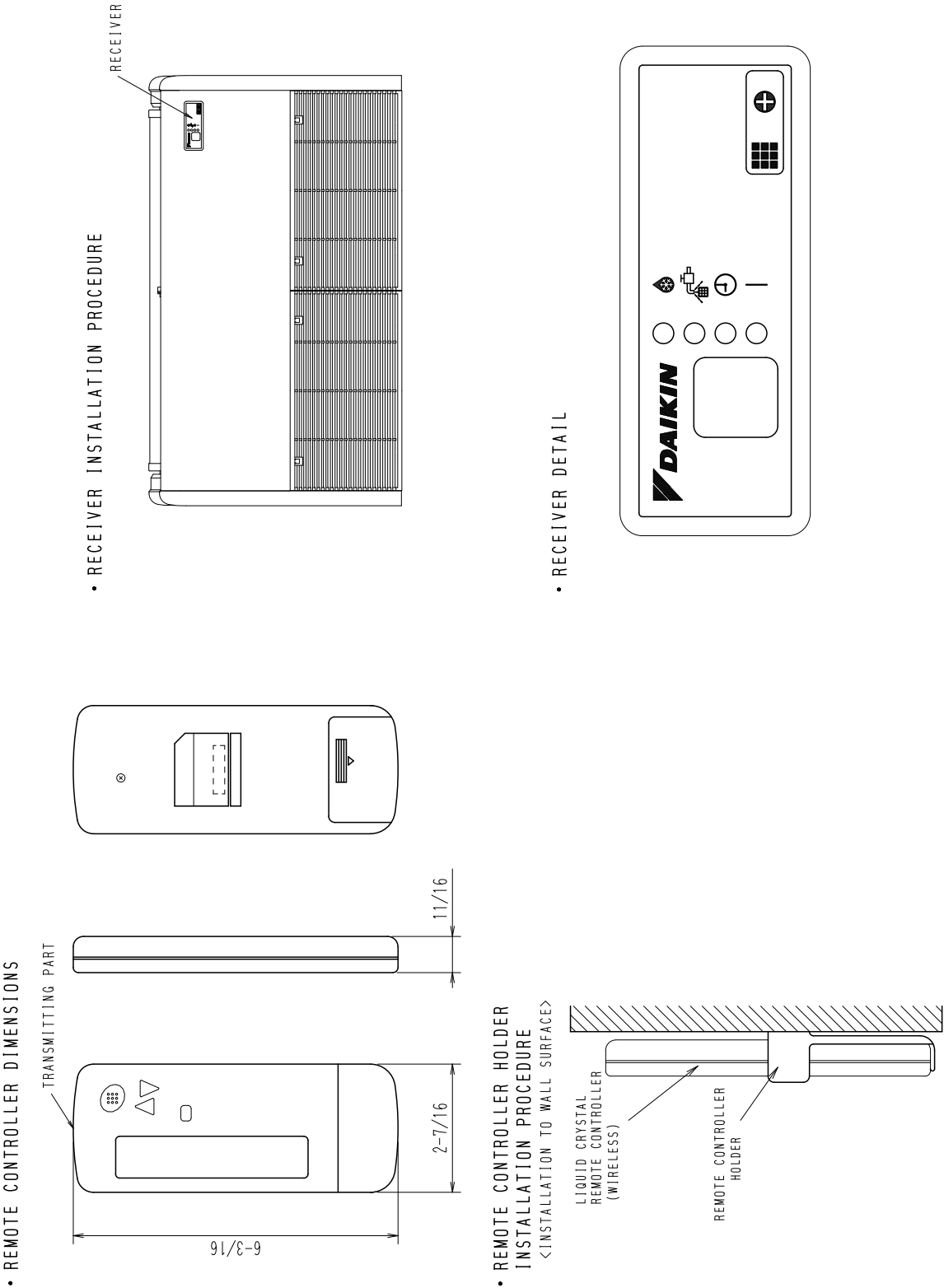
3D047341



### 4.3 Wireless remote controller (Optional)

BRC7E83 (for FHQ)

Unit (in.)

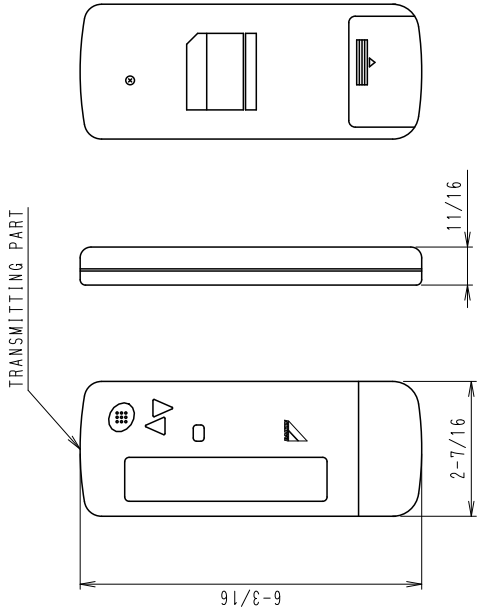


3D049336

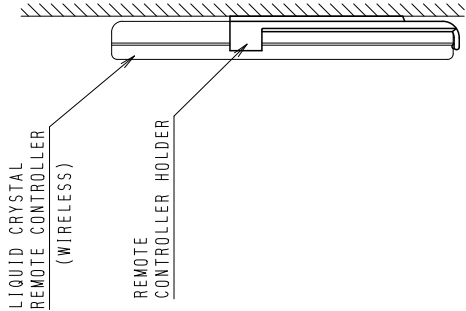
BRC7E818 (for FAQ)

Unit (in.)

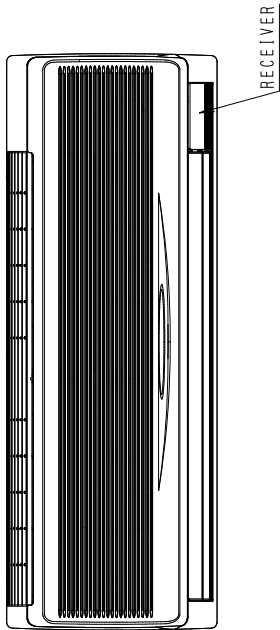
• REMOTE CONTROLLER DIMENSIONS



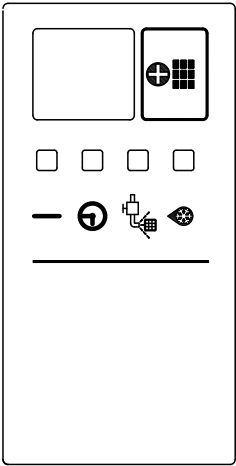
• REMOTE CONTROLLER HOLDER  
INSTALLATION PROCEDURE  
< INSTALLATION TO WALL SURFACE >



• RECEIVER INSTALLATION PROCEDURE



• RECEIVER DETAIL

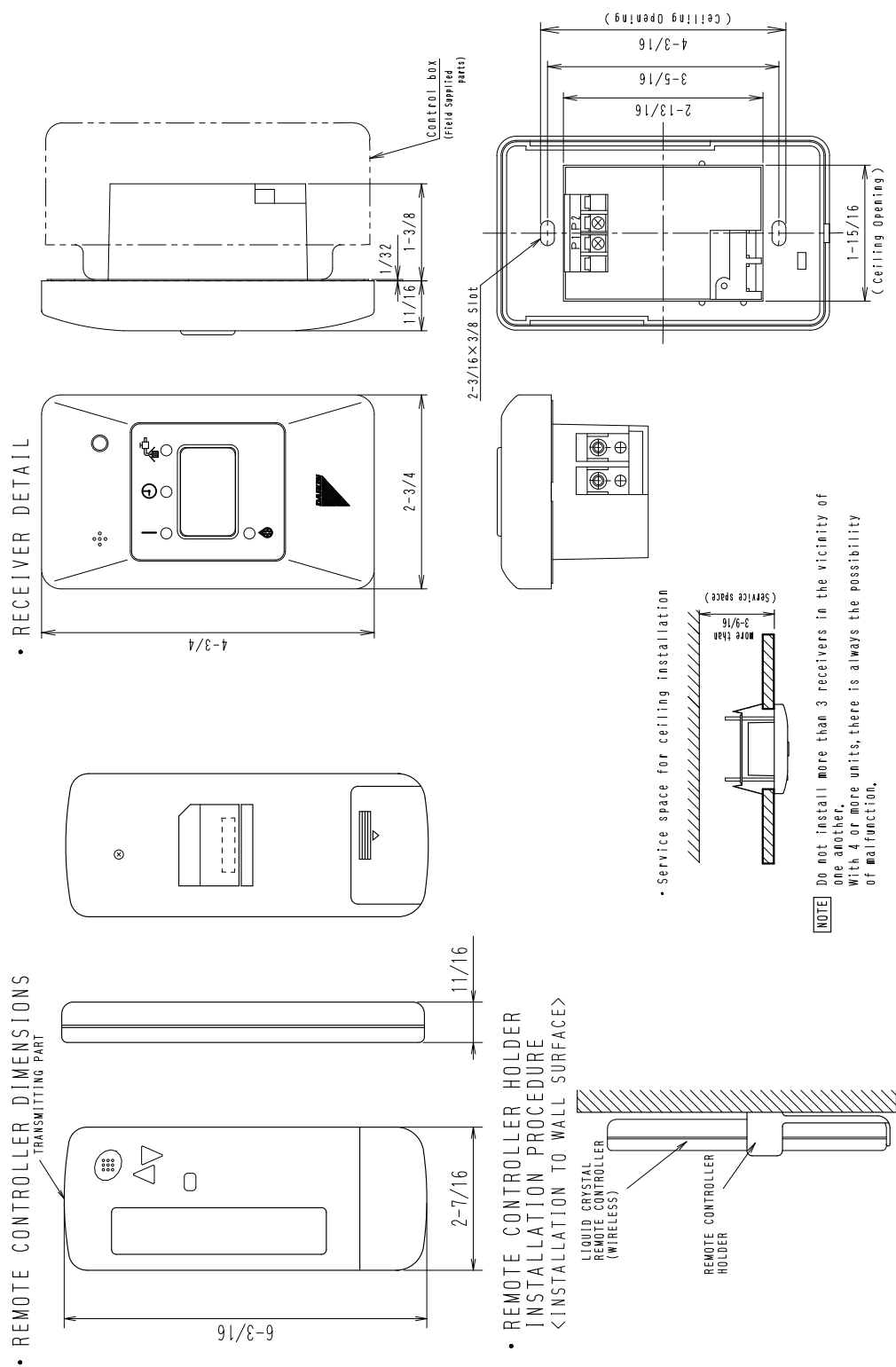


• WIRELESS REMOTE CONTROLLER KIT

| WIRELESS REMOTE CONTROLLER KIT | INDOOR UNIT |
|--------------------------------|-------------|
| BRC7E818                       | FAQ ~ PV JU |

**BRC4C82 (for FBQ)**

Unit (in.)

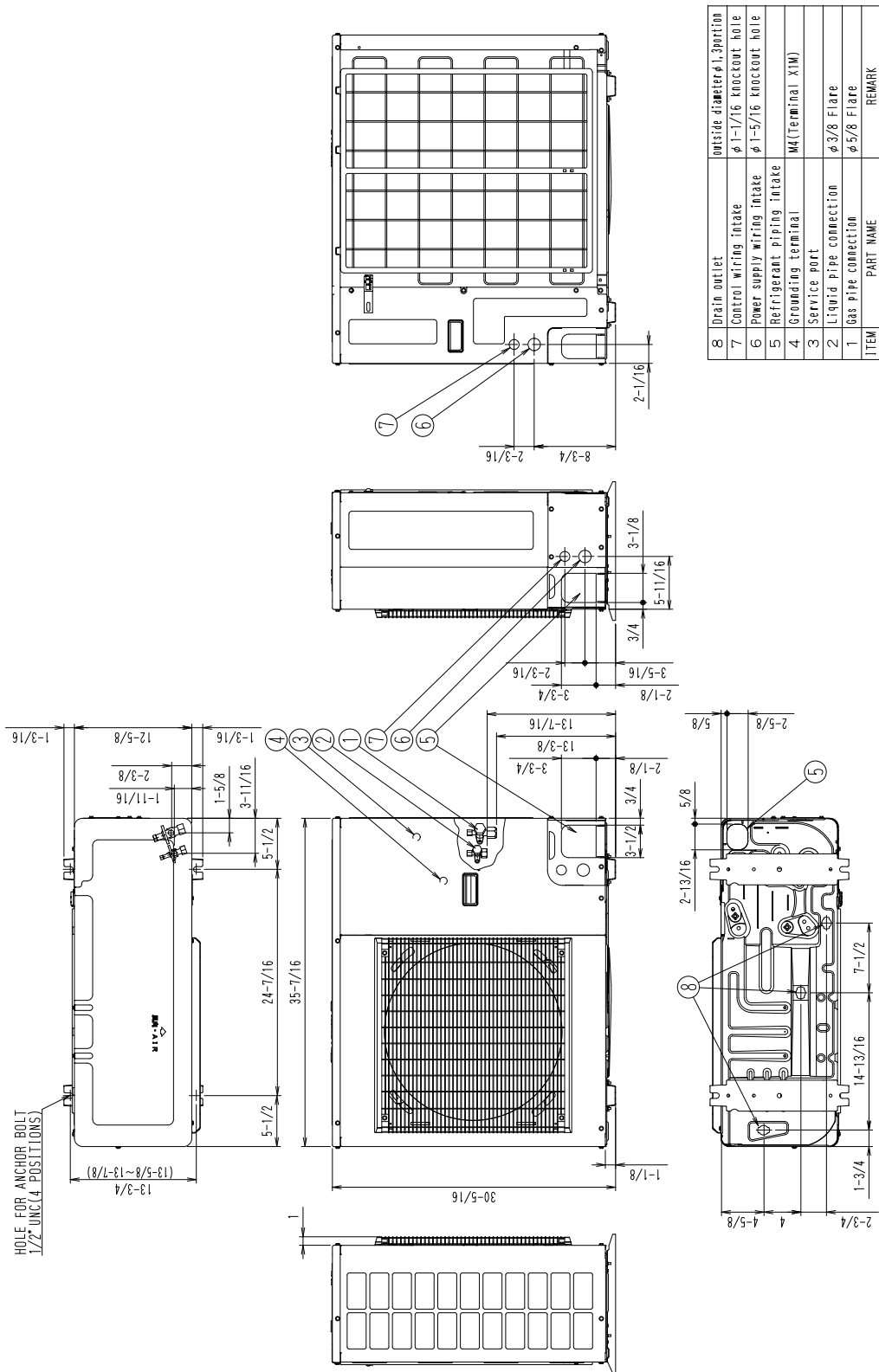


3D049611

4.4 Outdoor unit

RZR18PVJU / RZR24PVJU / RZR30PVJU  
RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU

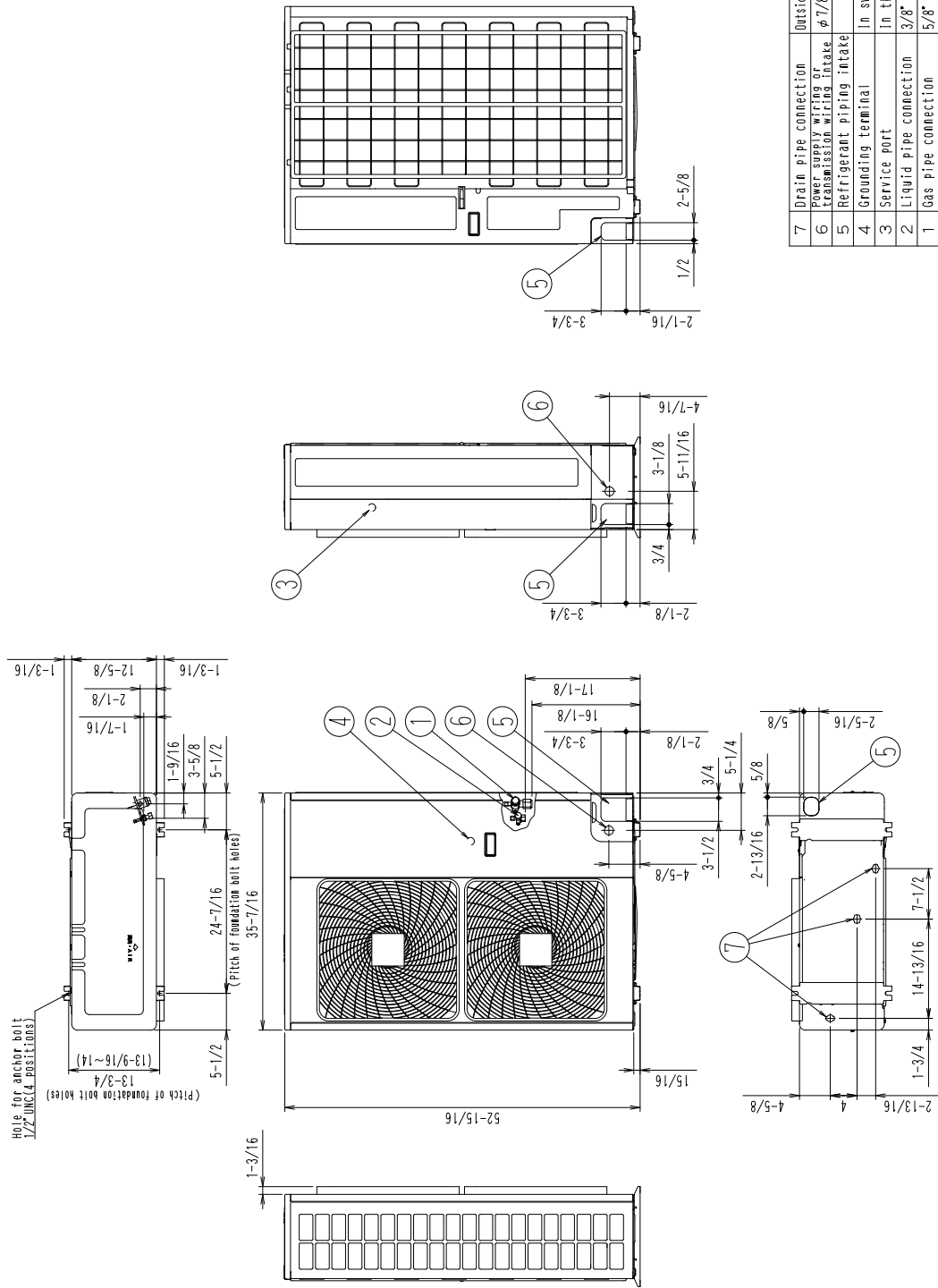
Unit (in.)



3D064212A

RZR36PVJU / RZR42PVJU  
RZQ36PVJU9 / RZQ42PVJU9

Unit (in.)



3D06551A

## 4.5 Installation service space

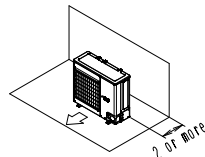
RZR18PVJU / RZR24PVJU / RZR30PVJU  
RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU

### INSTALLATION SERVICE SPACE

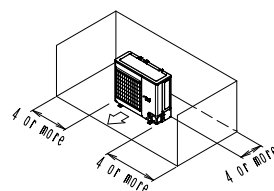
STAND-ALONE INSTALLATION (The measure of these values is "in".)

#### No obstacle above

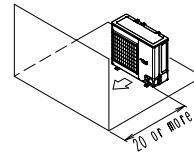
(1) Obstacle on the suction side only



(2) Obstacle on both sides and suction side, too

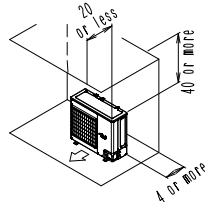


(3) Obstacle on the discharge side only

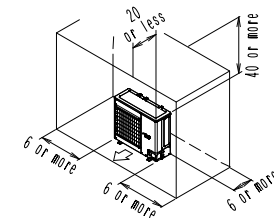


#### Obstacle above, too

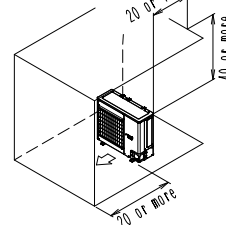
(1) Obstacle on the suction side, too



(2) Obstacle on both sides and suction side, too



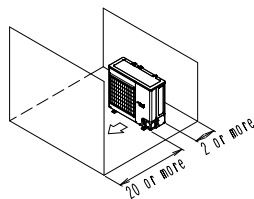
(3) Obstacle on the discharge side only, too



#### When there are obstacles on both suction and discharge sides

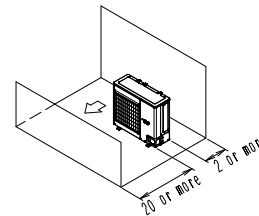
Pattern 1 When the obstacles on the discharge side is higher than the unit

(1) No obstacle above  
(There is no limit for the height of obstructions on the suction side.)



Pattern 2 When the obstacle on the discharge side is lower than the unit

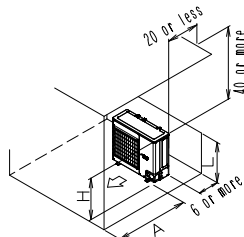
(1) No obstacle above  
(There is no limit for the height of obstructions on the suction side.)



(2) Obstacle above, too  
The relations between H, A and L are as follows,

|            | L                                                                        | A          |
|------------|--------------------------------------------------------------------------|------------|
| $L \leq H$ | $L \leq 1/2 H$                                                           | 30 or more |
|            | $1/2 H < L \leq H$                                                       | 40 or more |
| $L > H$    | Set the stand as : $L \leq H$<br>Refer to the column of $L \leq H$ for A |            |

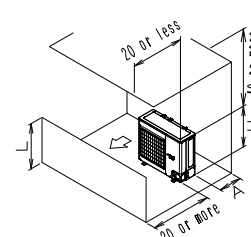
(\*) Close the bottom of the installation frame to prevent the discharged air from being bypassed.



(2) Obstacle above, too  
The relations between H, A and L are as follows,

|            | L                                                                        | A         |
|------------|--------------------------------------------------------------------------|-----------|
| $L \leq H$ | $L \leq 1/2 H$                                                           | 2 or more |
|            | $1/2 H < L \leq H$                                                       | 4 or more |
| $L > H$    | Set the stand as : $L \leq H$<br>Refer to the column of $L \leq H$ for A |           |

(\*) Close the bottom of the installation frame to prevent the discharged air from being bypassed.



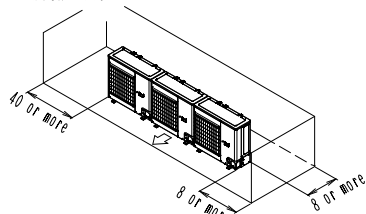
3D064213A

(※)• In side extraction, please provide the space of piping.

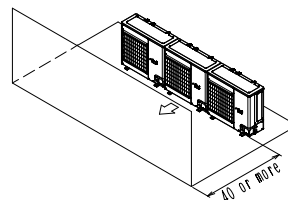
**SERIES INSTALLATION (2 OR MORE)** (The measure of these values is "in".)

**No obstacle above**

(1) Obstacle on the suction side and both sides

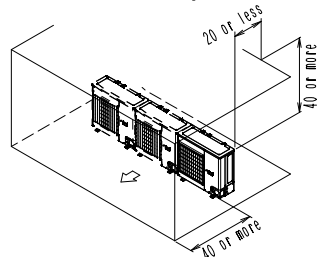


(2) Obstacle on the discharge side only

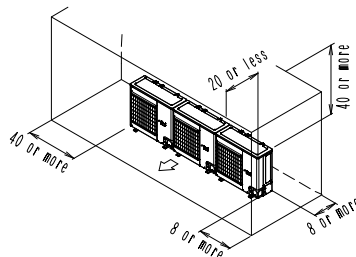


**Obstacle above, too**

(1) Obstacle on the discharge side



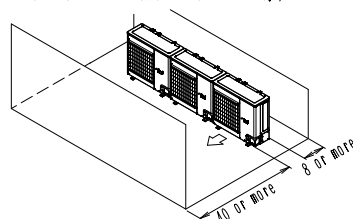
(2) Obstacle on the suction side and both sides



**When there are obstacles on both suction and discharge sides**

**Pattern 1** When the obstacles on the discharge side is higher than the unit

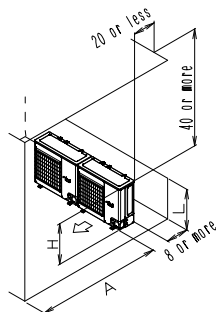
(1) No obstacle above  
(There is no limit for the height of obstructions on the suction side.)



(2) Obstacle above, too  
The relations between H, A and L are as follows,

|            | L                                                                        | A          |
|------------|--------------------------------------------------------------------------|------------|
| $L \leq H$ | $L \leq 1/2H$                                                            | 40 or more |
|            | $1/2H < L \leq H$                                                        | 50 or more |
| $L > H$    | Set the stand as : $L \leq H$<br>Refer to the column of $L \leq H$ for A |            |

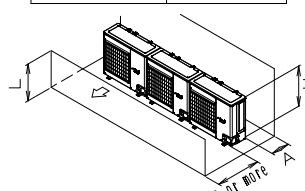
(※)Close the bottom of the installation frame to prevent the discharged air from being bypassed. Limit of series installation is 2 unit.



**Pattern 2** When the obstacle on the discharge side is lower than the unit

(1) No obstacle above  
(There is no limit for the height of obstructions on the suction side.)  
The relations between H, A and L are as follows,

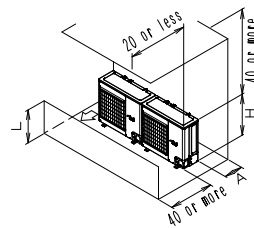
| L                 | A         |
|-------------------|-----------|
| $L \leq 1/2H$     | 6 or more |
| $1/2H < L \leq H$ | 8 or more |



(2) Obstacle above, too  
The relations between H, A and L are as follows,

|            | L                                                                        | A         |
|------------|--------------------------------------------------------------------------|-----------|
| $L \leq H$ | $L \leq 1/2H$                                                            | 6 or more |
|            | $1/2H < L \leq H$                                                        | 8 or more |
| $L > H$    | Set the stand as : $L \leq H$<br>Refer to the column of $L \leq H$ for A |           |

(※)Close the bottom of the installation frame to prevent the discharged air from being bypassed. Limit of series installation is 2 unit.

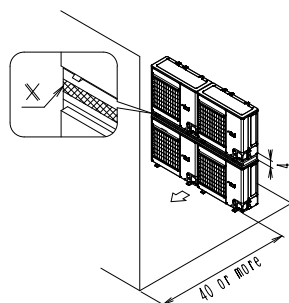


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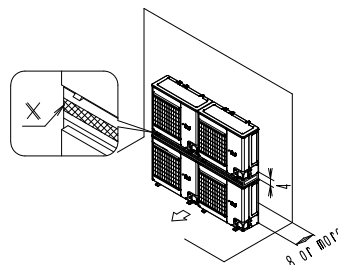
### DOUBLE-DECKER INSTALLATION (The measure of these values is "in".)

- (※) • Do not stack more than two unit.  
 • The drain piping construction size of upper side outdoor unit is needed about 4 in.  
 • Close "X" to prevent the discharged air from being bypassed  
 (  : the gap between the upper and lower outdoor units).  
 • In side extraction, please provide the space of piping.

(1) Obstacle on the discharge side



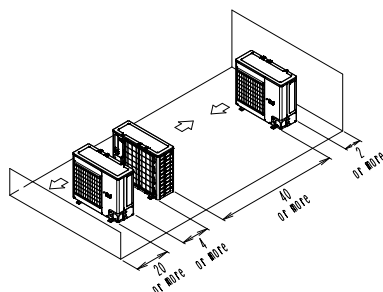
(2) Obstacle on the suction side



### MULTIPLE ROWS OF SERIES INSTALLATION (ON THE ROOFTOP, ETC.)

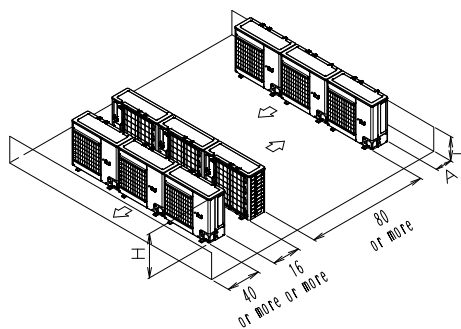
(The measure of these values is "in".)

(1) One row of stand-alone installation



(2) Rows of series installation (2 or more)  
 The relations between H, A  
 and L are as follows.

|            | L                    | A         |
|------------|----------------------|-----------|
| $L \leq H$ | $L \leq 1/2 H$       | 6 or more |
|            | $1/2 H < L \leq H$   | 8 or more |
| $L > H$    | Can not be installed |           |



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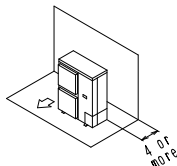
**RZR36PVJU / RZR42PVJU**  
**RZQ36PVJU9 / RZQ42PVJU9**

**REQUIRED INSTALLATION SPACE**

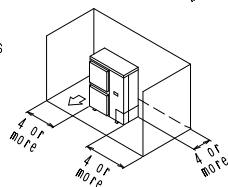
- The unit of the values is inch.
- In case of series installation, some space between the units is needed for wiring with conduit and servicing.

**1. Where there is an obstacle on the suction side:**  
**(a) No obstacle above**

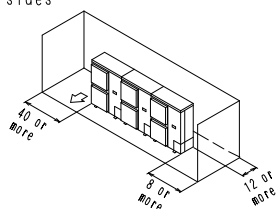
- (1) Stand-alone installation**
- Obstacle on the suction side only



- Obstacle on both sides

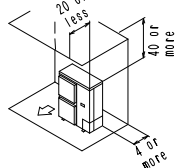


- (2) Series installation (2 or more)**
- Obstacle on both sides

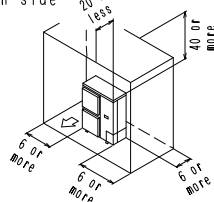


**(b) Obstacle above, too**

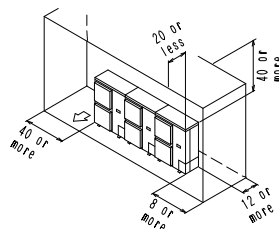
- (1) Stand-alone installation**
- Obstacle on the suction side, too



- Obstacle on the suction side and both sides



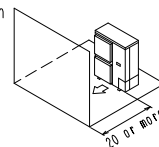
- (2) Series installation (2 or more)**
- Obstacle on the suction side and both sides



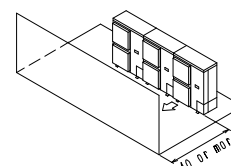
**2. Where there is an obstacle on the discharge side:**

**(a) No obstacle above**

- (1) Stand-alone installation**

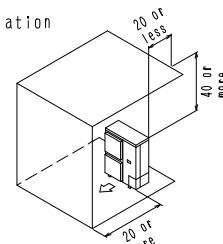


- (2) Series installation (2 or more)**

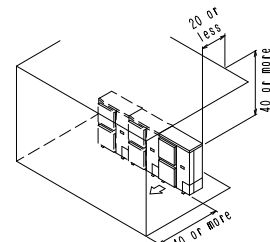


**(b) Obstacle above, too**

- (1) Stand-alone installation**



- (2) Series installation (2 or more)**



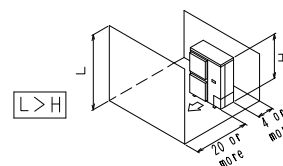
**3. Where there are obstacles on both suction and discharge sides:**

**Pattern 1**

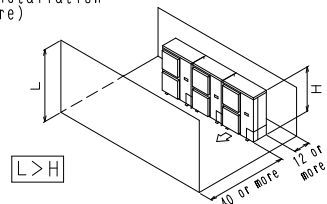
Where the obstacles on the discharge side is higher than the unit:  
 (There is no height limit for obstructions) on the intake side.

**(a) No obstacle above**

- (1) Stand-alone installation**



- (2) Series installation (2 or more)**



3D047381B

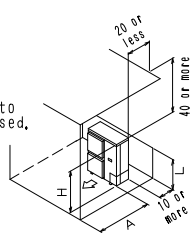
(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows:

|            | L                              | A   |
|------------|--------------------------------|-----|
| $L \leq H$ | $0 < L \leq 1/2 H$             | 3 0 |
|            | $1/2 H < L \leq H$             | 4 0 |
| $H < L$    | Set the stand as: $L \leq H$ . |     |

Close the bottom of the installation frame to prevent the discharged air from being bypassed,



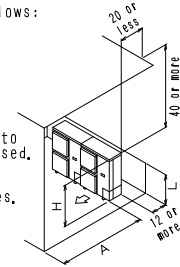
(2) Series installation  
(2 or more)

The relations between H, A and L are as follows:

|            | L                              | A   |
|------------|--------------------------------|-----|
| $L \leq H$ | $0 < L \leq 1/2 H$             | 4 0 |
|            | $1/2 H < L \leq H$             | 5 0 |
| $H < L$    | Set the stand as: $L \leq H$ . |     |

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.



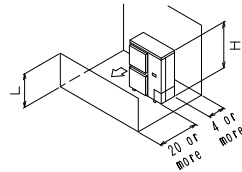
#### Pattern 2

Where the obstacles on the discharge side is lower than the unit:  
(There is no height limit for obstructions) on the intake side.

(a) No obstacle above  
(1) Stand-alone installation

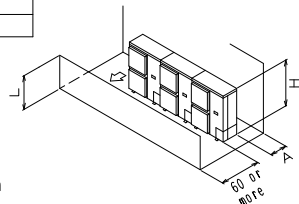
$$L \leq H$$

(2) Series installation  
(2 or more)



The relations between H, A and L are as follows:

|                    | L | A   |
|--------------------|---|-----|
| $0 < L \leq 1/2 H$ |   | 1 0 |
| $1/2 H < L \leq H$ |   | 1 2 |



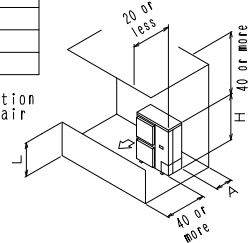
(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows:

|            | L                              | A |
|------------|--------------------------------|---|
| $L \leq H$ | $0 < L \leq 1/2 H$             | 4 |
|            | $1/2 H < L \leq H$             | 8 |
| $H < L$    | Set the stand as: $L \leq H$ . |   |

Close the bottom of the installation frame to prevent the discharged air from being bypassed.



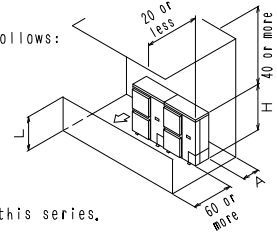
(2) Series installation

The relations between H, A and L are as follows:

|            | L                              | A   |
|------------|--------------------------------|-----|
| $L \leq H$ | $0 < L \leq 1/2 H$             | 1 0 |
|            | $1/2 H < L \leq H$             | 1 2 |
| $H < L$    | Set the stand as: $L \leq H$ . |     |

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.

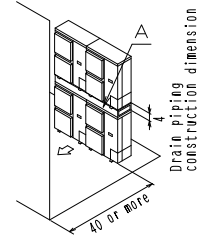


4. Double-decker installation

(a) Obstacle on the discharge side

Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

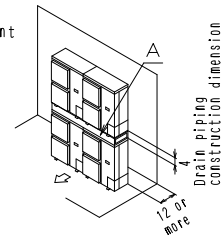
Do not stack more than two unit.



(b) Obstacle on the suction side

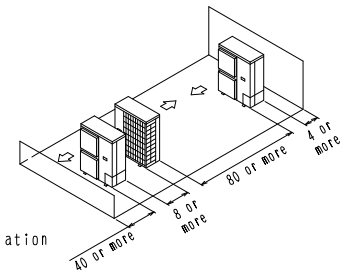
Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than two unit.



5. Multiple rows of series installation  
(on the rooftop, etc.)

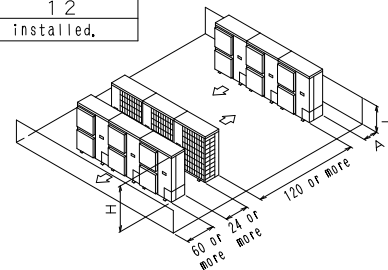
(a) One row of stand-alone installation



(b) Rows of series installation  
(2 or more)

The relations between H, A and L are as follows:

|            | L                    | A   |
|------------|----------------------|-----|
| $L \leq H$ | $0 < L \leq 1/2 H$   | 1 0 |
|            | $1/2 H < L \leq H$   | 1 2 |
| $H < L$    | Cannot be installed. |     |



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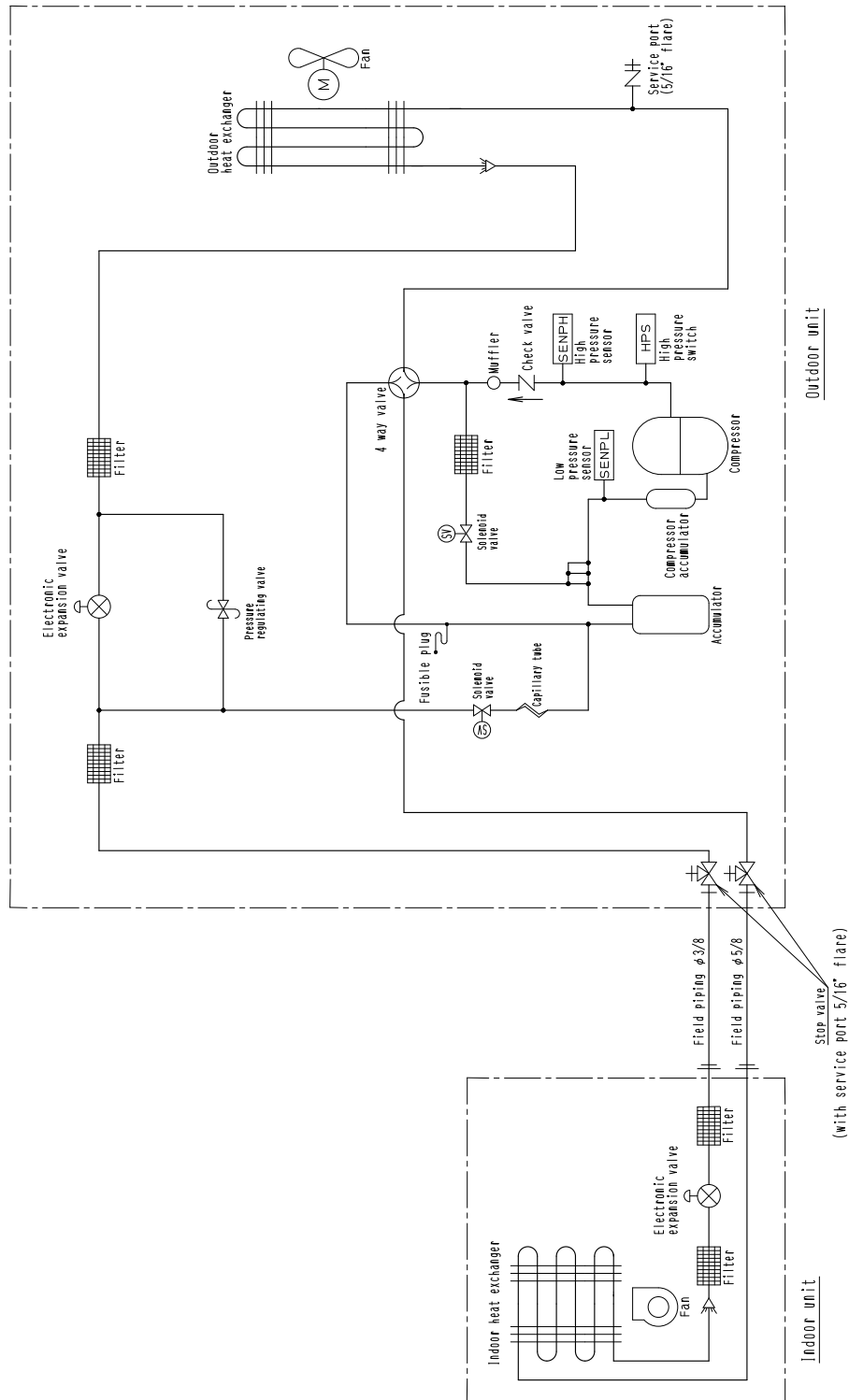
## 5. Piping diagrams

### 5.1 Indoor unit + Outdoor unit

FCQ18PAVJU / FHQ18PVJU / FAQ18PVJU / FBQ18PVJU + RZR18PVJU / RZQ18PVJU9

FCQ24PAVJU / FHQ24PVJU / FAQ24PVJU / FBQ24PVJU + RZR24PVJU / RZQ24PVJU9

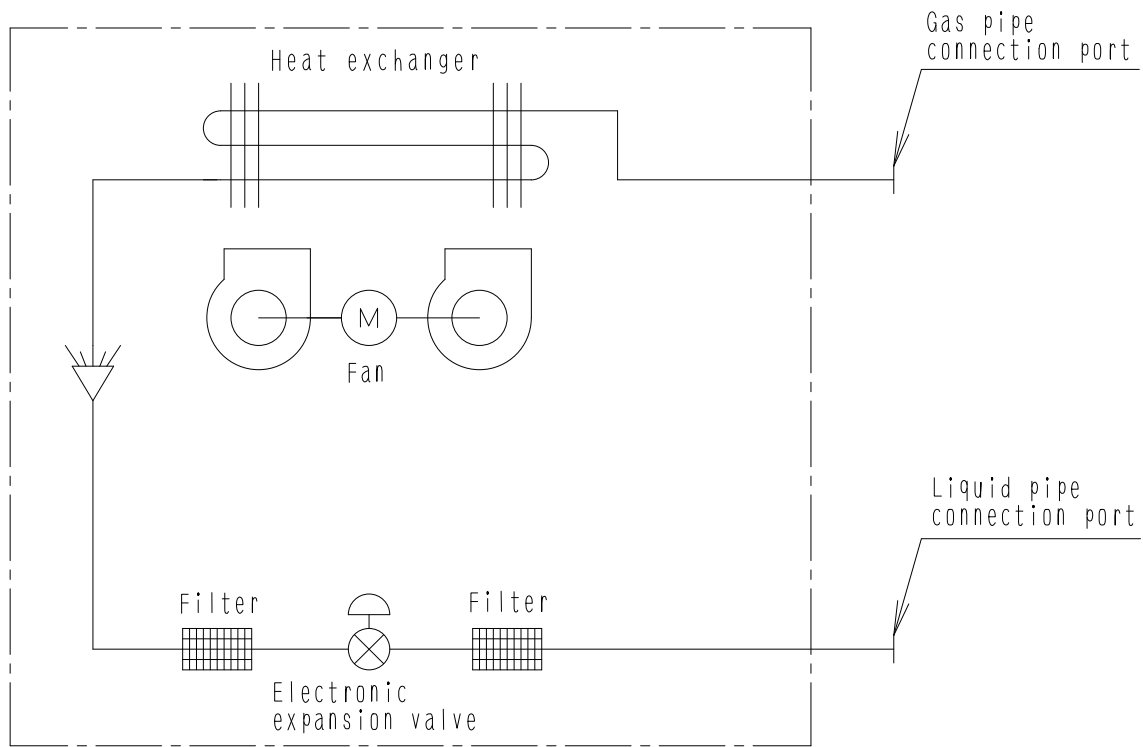
FCQ30PAVJU / FHQ30PVJU / FBQ30PVJU + RZR30PVJU / RZQ30PVJU



3D062238C

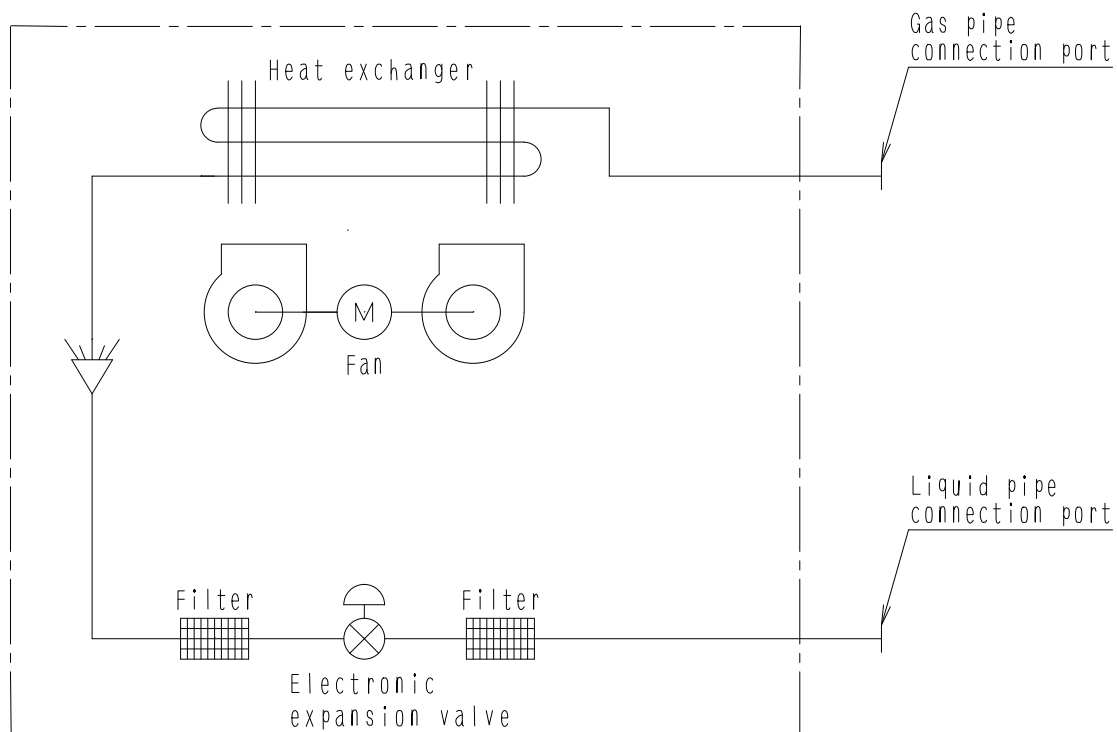
## 5.2 Indoor unit

FCQ36PAVJU / FCQ42PAVJU  
FHQ36MVJU / FHQ42MVJU



4D024460F

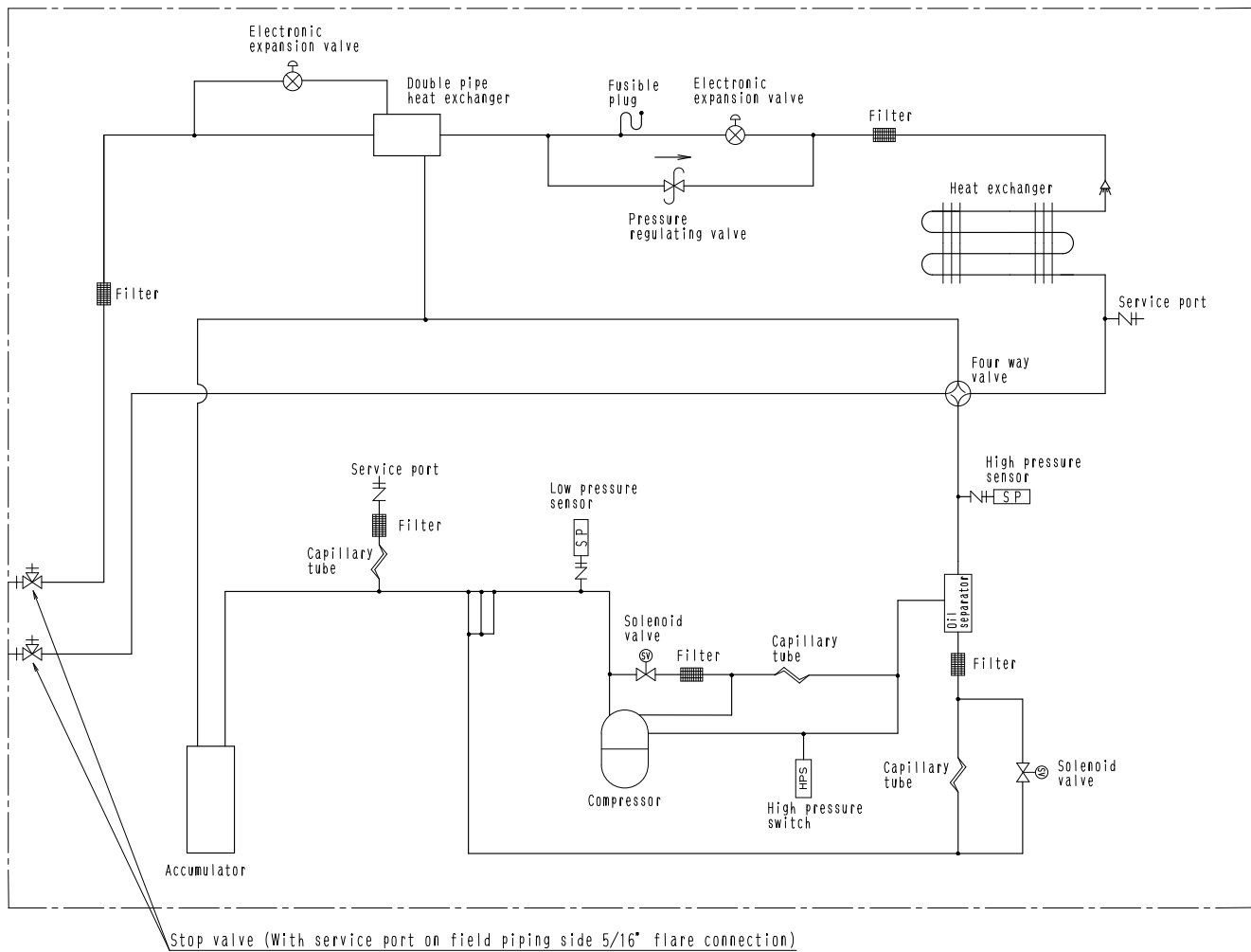
FBQ36PVJU / FBQ42PVJU



4D034245F

### 5.3 Outdoor unit

RZR36PVJU / RZR42PVJU  
RZQ36PVJU9 / RZQ42PVJU9

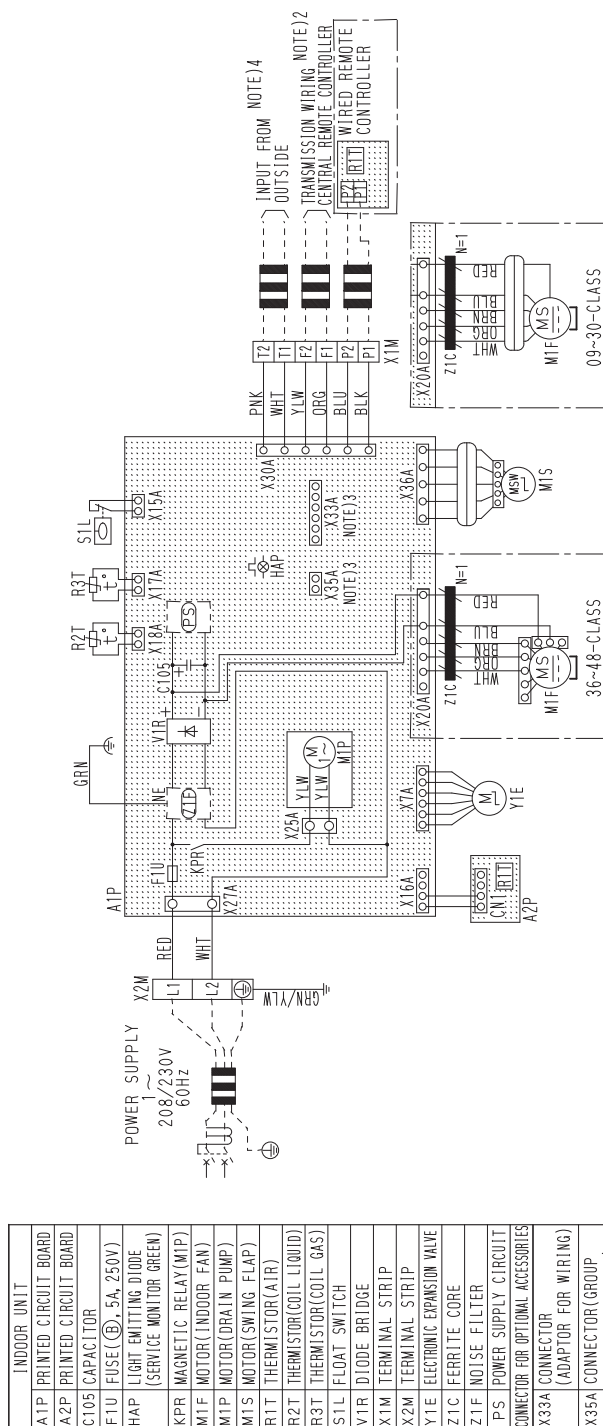


3D065366A

## 6. Wiring diagrams

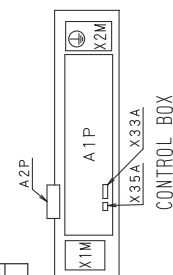
### 6.1 Indoor unit

FCQ18PAVJU / FCQ24PAVJU / FCQ30PAVJU  
FCQ36PAVJU / FCQ42PAVJU



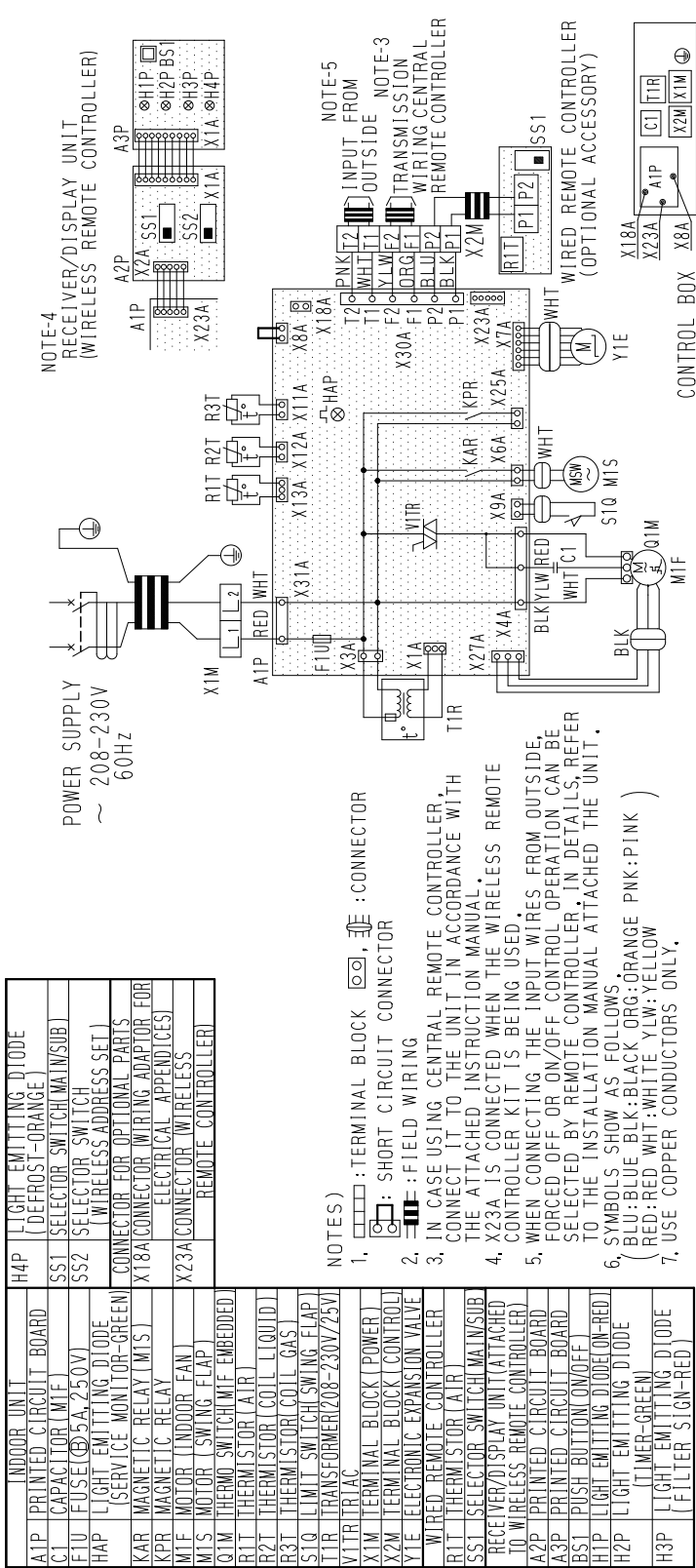
NOTES)

1. : TERMINAL, : FIELD WIRING, : CONNECTOR, : PROTECTIVE GROUND (SCREW) : NOISELESS GROUND
2. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTALLATION MANUAL.
3. X33A AND X35A ARE CONNECTED WHEN THE OPTIONAL ACCESSORIES ARE USED.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY THE REMOTE CONTROLLER. SEE INSTALLATION MANUAL FOR MORE DETAILS.
5. SYMBOLS SHOW AS FOLLOWS:  
RED: RED BLK: BLACK WHT: WHITE YLW: YELLOW GRN: GREEN ORG: ORANGE BRN: BROWN PNK: PINK GRY: GRAY BLU: BLUE



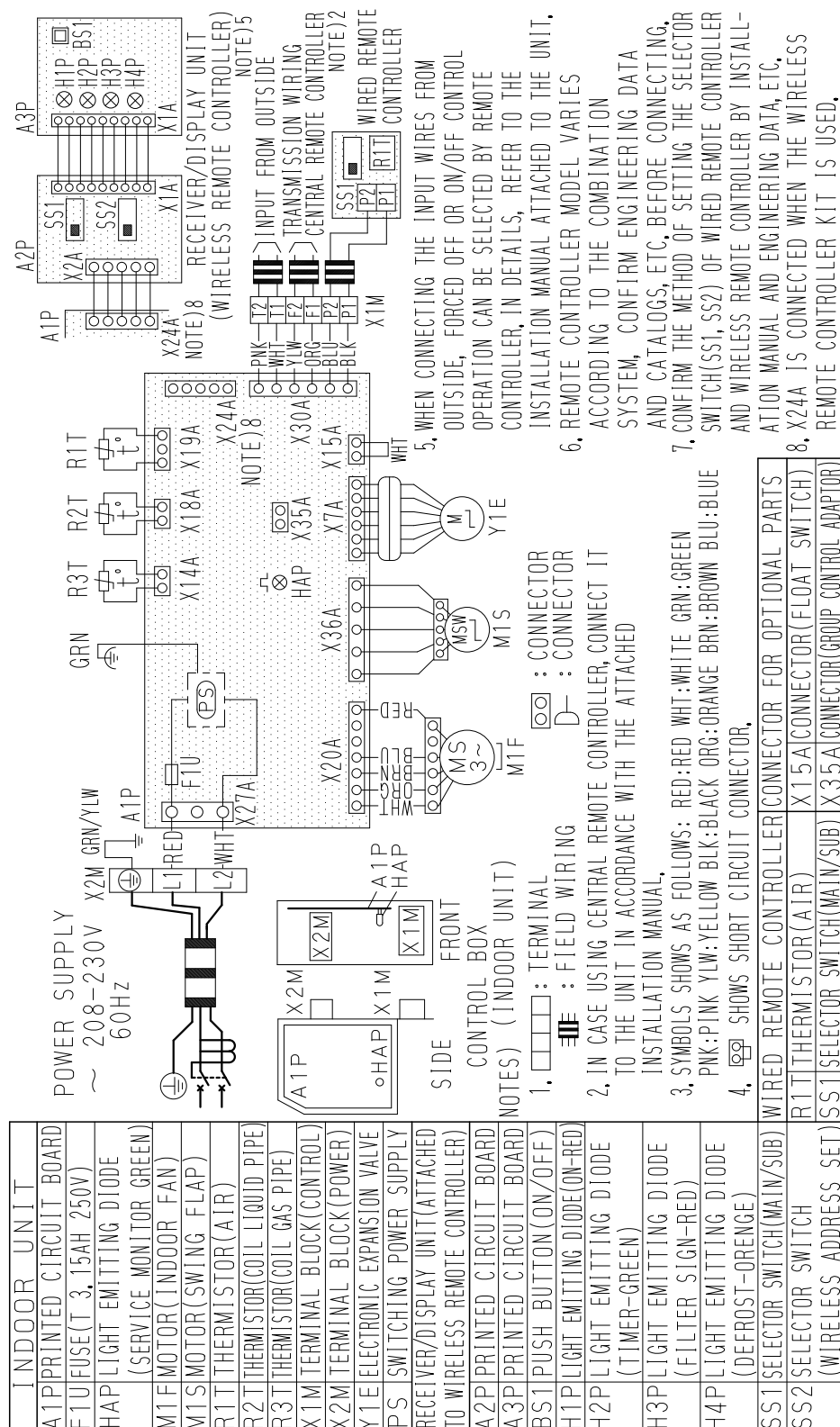
3D070301F

FHQ18PVJU / FHQ24PVJU / FHQ30PVJU  
FHQ36MVJU / FHQ42MVJU



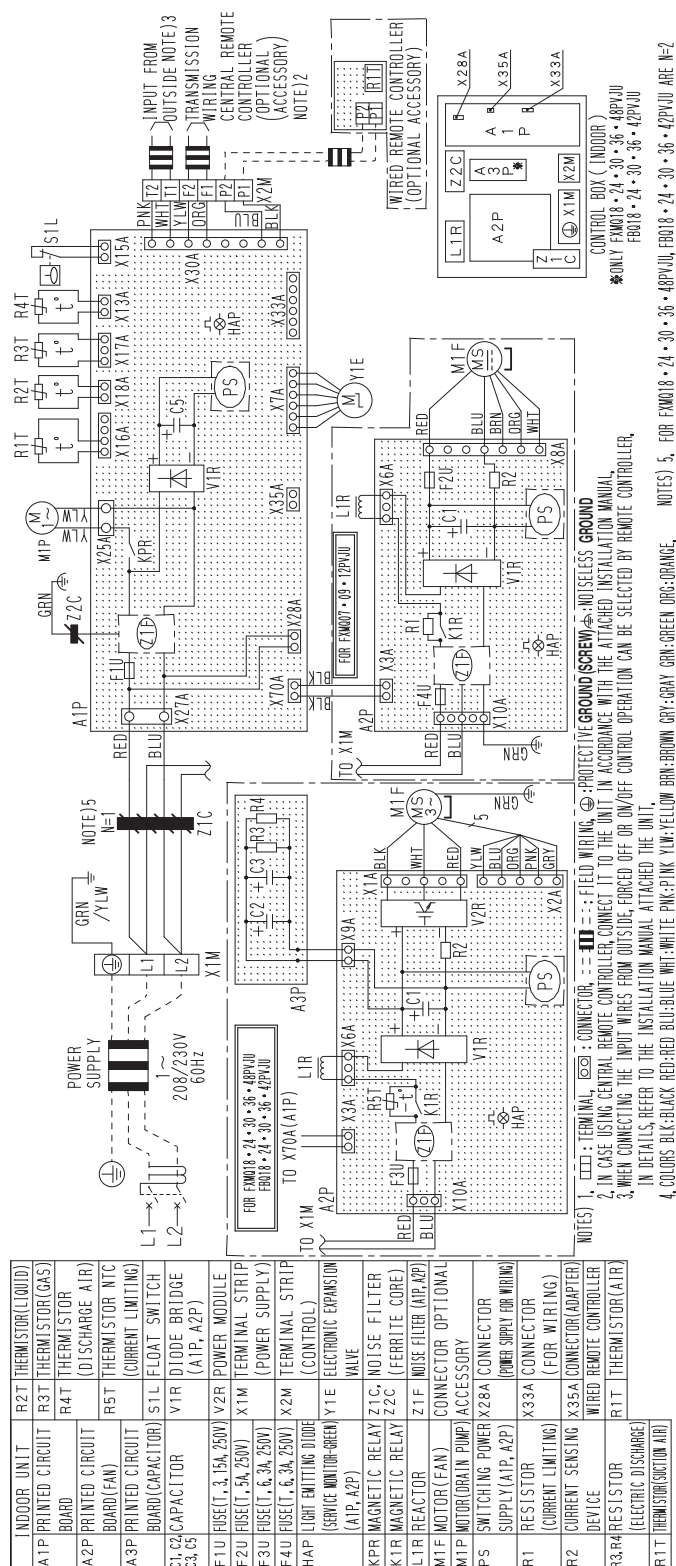
3D048116A

## FAQ18PVJU / FAQ24PVJU



3D046039D

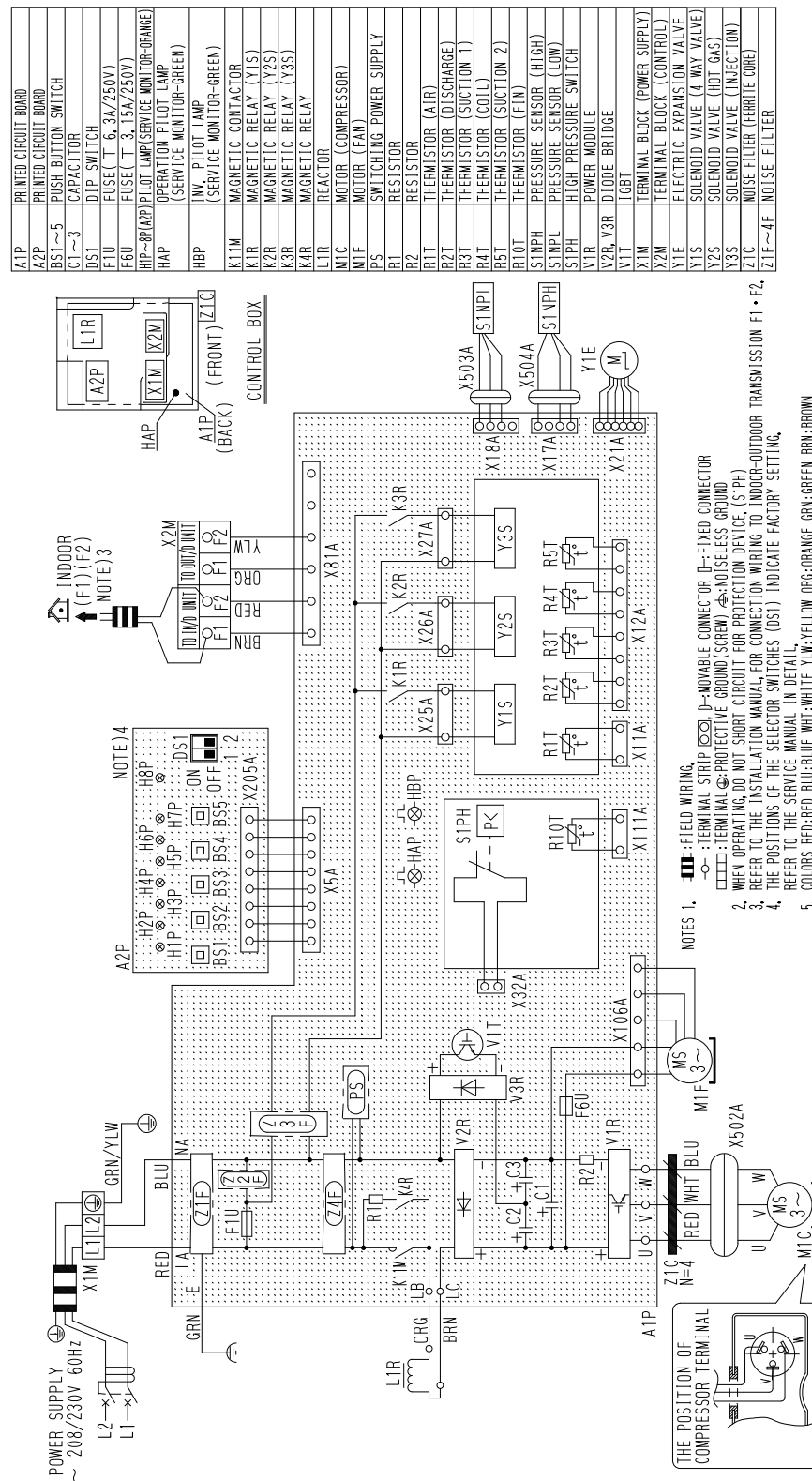
## FBQ18PVJU / FBQ24PVJU / FBQ30PVJU / FBQ36PVJU / FBQ42PVJU



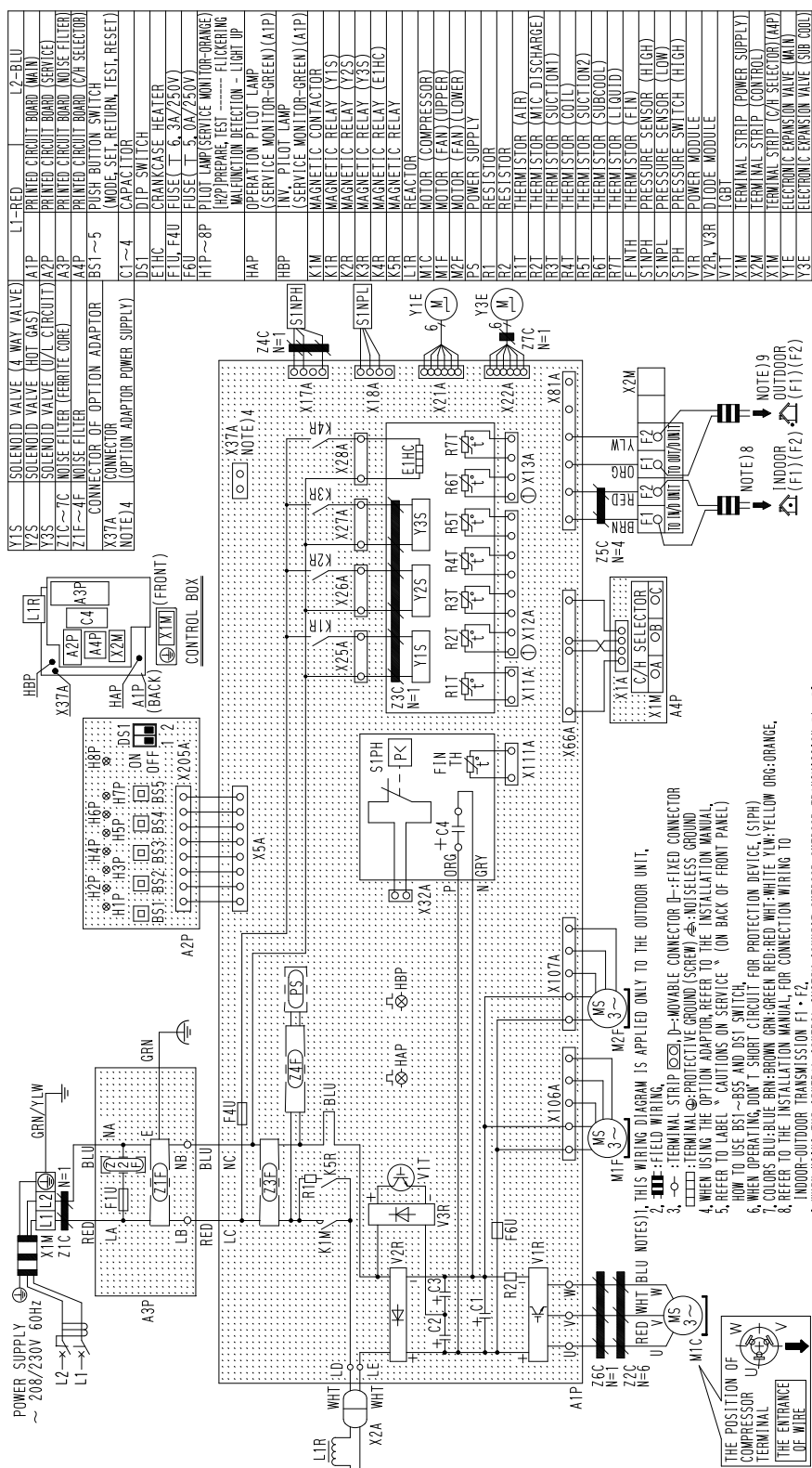
3D065984D

## 6.2 Outdoor unit

RZR18PVJU / RZR24PVJU / RZR30PVJU  
RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU



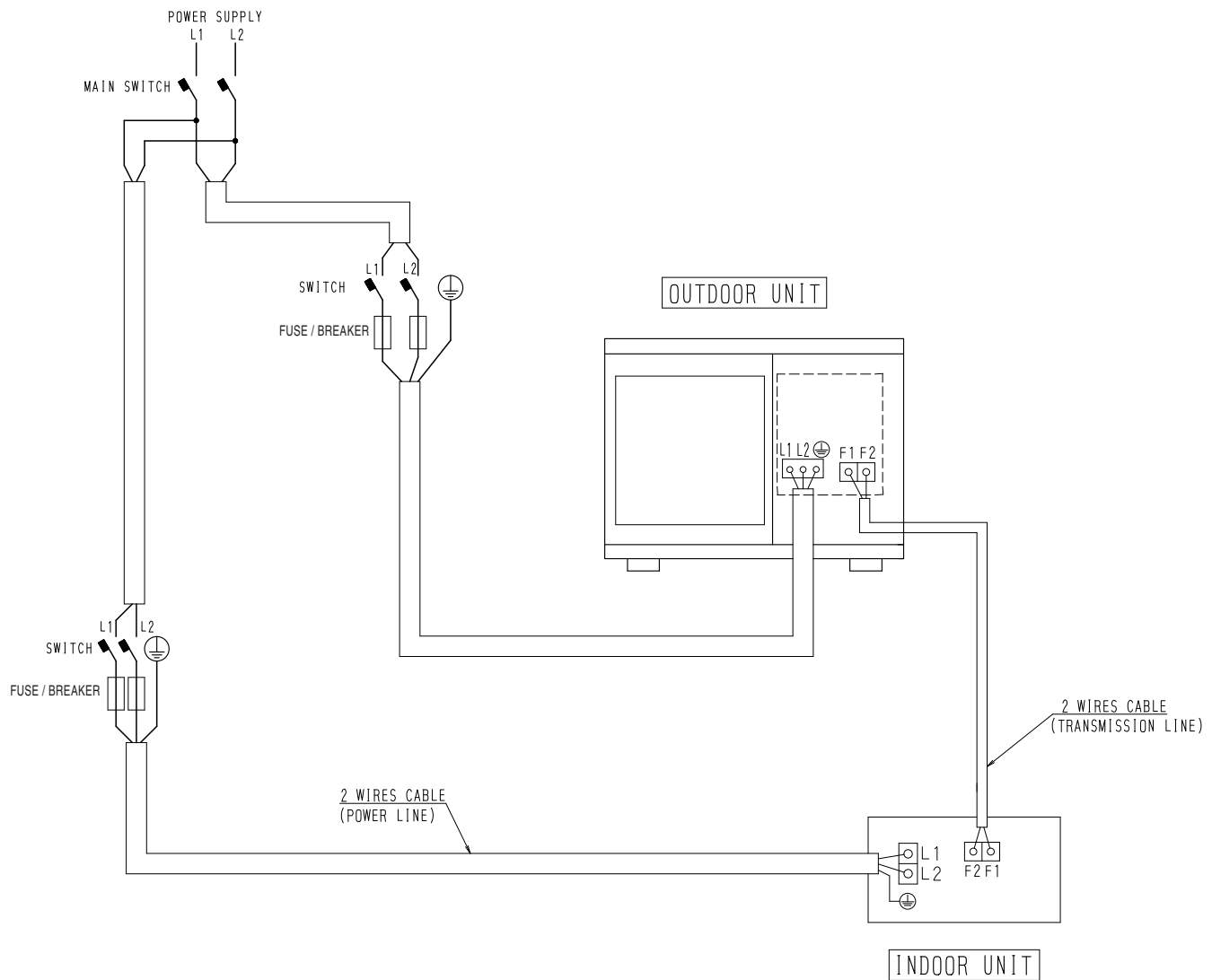
C- 3D062307C

**RZR36PVJU / RZR42PVJU**  
**RZQ36PVJU9 / RZQ42PVJU9**


C: 3D071178

## 6.3 External connection diagram

RZR18PVJU / RZR24PVJU / RZR30PVJU  
RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU9

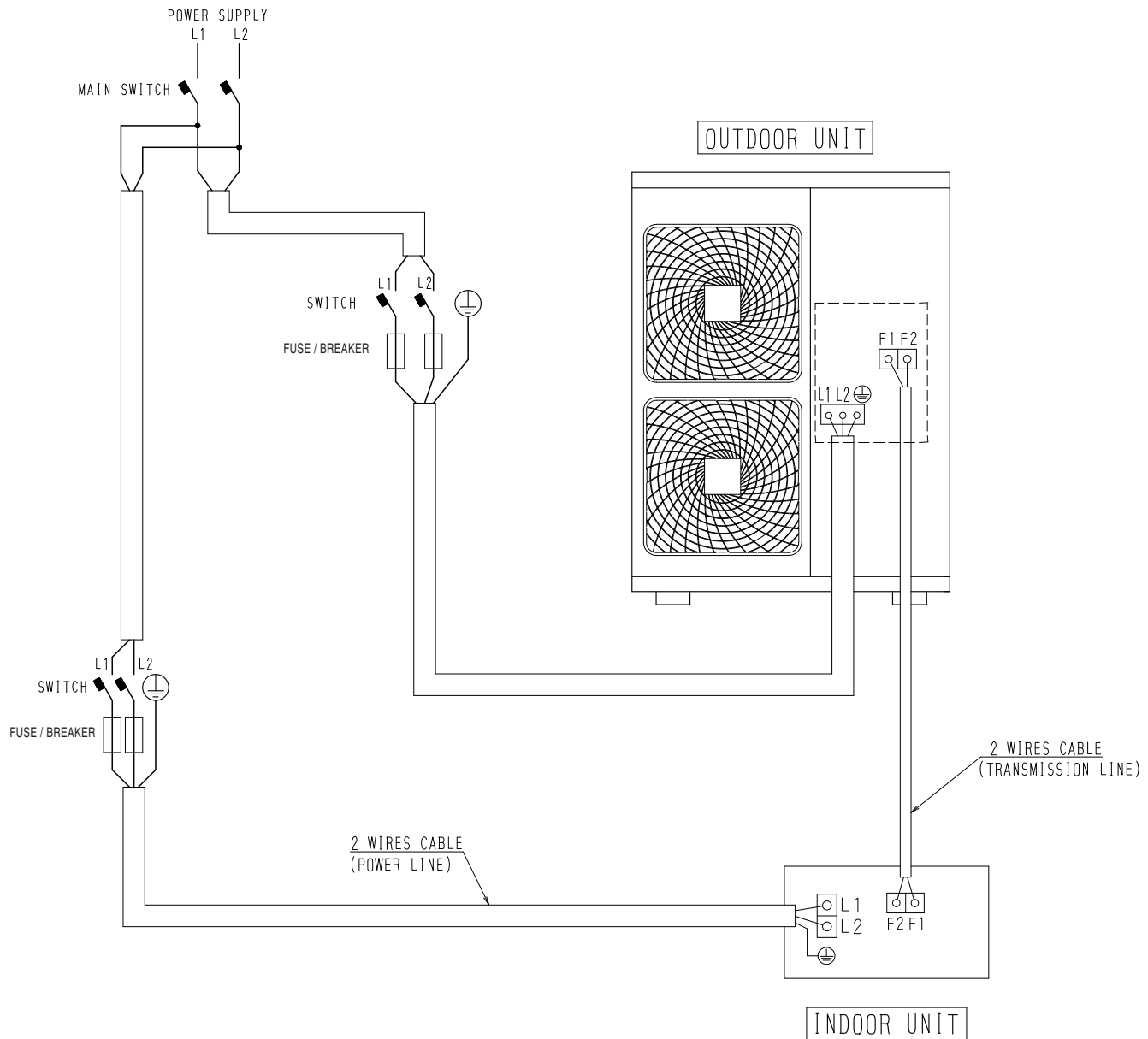


### Notes

- 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
- 2) Use copper conductors only.
- 3) As for details, see wiring diagram.
- 4) Install circuit breaker for safety.
- 5) All field wiring and components must be provided by licensed electrician.
- 6) Unit shall be grounded in compliance with the applicable local and national codes.
- 7) Wiring shown is general points-of-connection guides only and is not intended for or to include all details for a specific installation.
- 8) Be sure to install the switch and the fuse to the power line of each equipment.
- 9) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.

C: 3D064230A

**RZR36PVJU / RZR42PVJU**  
**RZQ36PVJU9 / RZQ42PVJU9**



**Notes**

- 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
- 2) Use copper conductors only.
- 3) As for details, see wiring diagram.
- 4) Install circuit breaker for safety.
- 5) All field wiring and components must be provided by licensed electrician.
- 6) Unit shall be grounded in compliance with the applicable local and national codes.
- 7) Wiring shown is general points-of-connection guides only and is not intended for or to include all details for a specific installation.
- 8) Be sure to install the switch and the fuse to the power line of each equipment.
- 9) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.

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## 7. Electrical characteristics

### 7.1 Indoor unit

FCQ18PAVJU / FCQ24PAVJU / FCQ30PAVJU  
FCQ36PAVJU / FCQ42PAVJU

| Model      | Power supply |           |                        |     |     | IFM   |     | Input(W) |         |
|------------|--------------|-----------|------------------------|-----|-----|-------|-----|----------|---------|
|            | Hz           | Volts     | Voltage range          | MCA | MOP | KW    | FLA | Cooling  | Heating |
| FCQ18PAVJU | 60           | 208V/230V | Max, 253V<br>Min, 187V | 0.4 | 15  | 0.056 | 0.3 | 56       | 42      |
| FCQ24PAVJU |              |           |                        | 0.5 | 15  | 0.056 | 0.4 | 70       | 60      |
| FCQ30PAVJU |              |           |                        | 0.6 | 15  | 0.056 | 0.5 | 104      | 84      |
| FCQ36PAVJU |              |           |                        | 1.4 | 15  | 0.120 | 1.1 | 210      | 200     |
| FCQ42PAVJU |              |           |                        | 1.5 | 15  | 0.120 | 1.2 | 240      | 232     |

#### Symbols :

MCA : Minimum Circuit Ampacity(A)  
MOP : Maximum Overcurrent Protective Device(A)  
KW : Fan Motor Rated Output(kW)  
FLA : Full Load Ampacity(A)  
IFM : Indoor Fan Motor

#### Note :

- Voltage range  
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits,
- Maximum allowable voltage unbalance between phases is 2%.
- MCA/MOP  
 $MCA = 1.25 \times FLA$   
 $MOP \leq 4 \times FLA$   
(Next lower standard fuse rating. Minimum 15A)
- Select wire size based on the value of MCA.
- Either a fuse or a circuit breaker is acceptable.

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**FHQ18PVJU / FHQ24PVJU / FHQ30PVJU**  
**FHQ36MVJU / FHQ42MVJU**

| Model     | Power supply |             |                        |     |     | IFM   |     | Input(W) |         |
|-----------|--------------|-------------|------------------------|-----|-----|-------|-----|----------|---------|
|           | Hz           | Volts       | Voltage range          | MCA | MOP | KW    | FLA | Cooling  | Heating |
| FHQ18MVJU | 60           | 208V / 230V | MAX. 253V<br>Min. 187V | 1.3 | 15  | 0.130 | 1.0 | 140      | 140     |
| FHQ24MVJU |              |             |                        | 1.3 | 15  | 0.130 | 1.0 | 140      | 140     |
| FHQ30PVJU |              |             |                        | 1.3 | 15  | 0.130 | 1.0 | 140      | 140     |
| FHQ36PVJU |              |             |                        | 1.4 | 15  | 0.130 | 1.1 | 161      | 161     |
| FHQ42PVJU |              |             |                        | 1.4 | 15  | 0.130 | 1.1 | 165      | 165     |

**Symbols :**

MCA : Minimum Circuit Ampacity(A)  
 MOP : Maximum Overcurrent Protective Device(A)  
 KW : Fan Motor Rated Output(kW)  
 FLA : Full Load Ampacity(A)  
 IFM : Indoor Fan Motor

**Note :**

- Voltage range  
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- Maximum allowable voltage unbalance between phases is 2%.
- MCA/MOP  
 $MCA = 1.25 \times FLA$   
 $MOP \leq 4 \times FLA$   
 (Next lower standard fuse rating. Minimum 15A)
- Select wire size based on the value of MCA.
- Either a fuse or a circuit breaker is acceptable.

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## FAQ18PVJU / FAQ24PVJU

| Model     | Power supply |             |               |     |     | IFM   |     | Input(W) |         |
|-----------|--------------|-------------|---------------|-----|-----|-------|-----|----------|---------|
|           | Hz           | Volts       | Voltage range | MCA | MOP | kW    | FLA | Cooling  | Heating |
| FAQ18PVJU | 60           | 208V / 230V | MAX. 253V     | 0.4 | 15  | 0.043 | 0.3 | 27       | 32      |
| FAQ24PVJU |              |             | Min. 187V     | 0.6 | 15  | 0.043 | 0.5 | 50       | 60      |

## Symbols :

MCA : Minimum Circuit Ampacity(A)  
 MOP : Maximum Overcurrent Protective Device(A)  
 KW : Fan Motor Rated Output(kW)  
 FLA : Full Load Ampacity(A)  
 IFM : Indoor Fan Motor

## Note :

- Voltage range  
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits,
- Maximum allowable voltage unbalance between phases is 2%.
- MCA/MOP  
 $MCA = 1.25 \times FLA$   
 $MOP \leq 4 \times FLA$   
 (Next lower standard fuse rating. Minimum 15A)
- Select wire size based on the value of MCA.
- Either a fuse or a circuit breaker is acceptable.

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**FBQ18PVJU / FBQ24PVJU / FBQ30PVJU / FBQ36PVJU / FBQ42PVJU**

| Model     | Power supply |           |                        |     |     | IFM   |     | Input(W) |         |
|-----------|--------------|-----------|------------------------|-----|-----|-------|-----|----------|---------|
|           | Hz           | Volts     | Voltage range          | MCA | MOP | KW    | FLA | Cooling  | Heating |
| FBQ18PVJU | 60           | 208V/230V | Max. 253V<br>Min. 187V | 1.6 | 15  | 0.350 | 1.3 | 214      | 203     |
| FBQ24PVJU |              |           |                        | 1.8 | 15  | 0.350 | 1.4 | 229      | 218     |
| FBQ30PVJU |              |           |                        | 2.3 | 15  | 0.350 | 1.8 | 297      | 286     |
| FBQ36PVJU |              |           |                        | 2.9 | 15  | 0.350 | 2.3 | 375      | 364     |
| FBQ42PVJU |              |           |                        | 3.4 | 15  | 0.350 | 2.7 | 460      | 449     |

**Symbols :**

MCA : Minimum Circuit Ampacity(A)  
 MOP : Maximum Overcurrent Protective Device(A)  
 KW : Fan Motor Rated Output(kW)  
 FLA : Full Load Ampacity(A)  
 IFM : Indoor Fan Motor

**Note :**

- Voltage range  
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- Maximum allowable voltage unbalance between phases is 2%.
- MCA/MOP  
 $MCA = 1.25 \times FLA$   
 $MOP \leq 4 \times FLA$   
 (Next lower standard fuse rating. Minimum 15A)
- Select wire size based on the value of MCA.
- Either a fuse or a circuit breaker is acceptable.

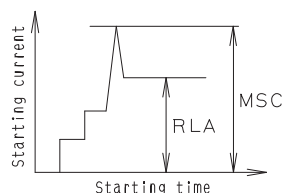
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## 7.2 Outdoor unit

### RZR18PVJU / RZR24PVJU / RZR30PVJU RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU

| Model      |            | Units |       |      |      | Power supply |     | Comp. |      | OFM |     |
|------------|------------|-------|-------|------|------|--------------|-----|-------|------|-----|-----|
| Outdoor    | H/P<br>C/O | Hz    | Volts | Min. | Max. | MCA          | MOP | MSC   | RLA  | W   | FLA |
| RZQ18PVJU9 | H/P        | 60    | 208   | 187  | 229  | 16.5         | 20  | —     | 7.1  | 70  | 0.3 |
|            |            |       | 230   | 209  | 253  |              |     |       |      |     |     |
| RZQ24PVJU9 | H/P        | 60    | 208   | 187  | 229  | 16.5         | 20  | —     | 10.3 | 70  | 0.3 |
|            |            |       | 230   | 209  | 253  |              |     |       |      |     |     |
| RZQ30PVJU  | H/P        | 60    | 208   | 187  | 229  | 16.5         | 20  | —     | 16.0 | 70  | 0.3 |
|            |            |       | 230   | 209  | 253  |              |     |       |      |     |     |
| RZR18PVJU  | C/O        | 60    | 208   | 187  | 229  | 16.5         | 20  | —     | 7.1  | 70  | 0.3 |
|            |            |       | 230   | 209  | 253  |              |     |       |      |     |     |
| RZR24PVJU  | C/O        | 60    | 208   | 187  | 229  | 16.5         | 20  | —     | 10.3 | 70  | 0.3 |
|            |            |       | 230   | 209  | 253  |              |     |       |      |     |     |
| RZR30PVJU  | C/O        | 60    | 208   | 187  | 229  | 16.5         | 20  | —     | 16.0 | 70  | 0.3 |
|            |            |       | 230   | 209  | 253  |              |     |       |      |     |     |

The relationship between the starting time and the starting current.



#### Notes:

- RLA is based on the following conditions:  
Power supply : 60Hz 208V/230V  
Cooling:  
Indoor temp:80°F DB/67°F WB  
Outdoor temp:95°F DB  
Heating:  
Indoor temp:70°F DB  
Outdoor temp:47°F DB/43°F WB
- Voltage range:  
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- Maximum allowable voltage variation between phases is 2%.
- MCA represents maximum input current.
- MOP represents capacity which may accept MCA.
- Select wire size based on the value of MCA.
- MOP is used to select the fuse circuit breaker or the ground fault circuit interrupter (ground leakage circuit breaker).

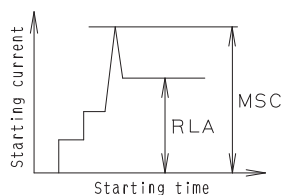
#### Symbols:

- MCA :Minimum Circuit Amps. (A)  
MOP :Maximum Overcurrent Protective Device(See note7). (A)  
MSC :Maximum current when starting the compressor. (A)  
RLA :Rated Load Amps. (A)  
OFM :Outdoor Fan Motor. (A)  
FLA :Full Load Amps. (A)  
KW :Fan Motor Rated Output. (kW)

**RZR36PVJU / RZR42PVJU**  
**RZQ36PVJU9 / RZQ42PVJU9**

| Model      |            | Units |         |      |      | Power supply |     | Comp. |      | OFM                 |                 |
|------------|------------|-------|---------|------|------|--------------|-----|-------|------|---------------------|-----------------|
| Outdoor    | H/P<br>C/O | Hz    | Volts   | Min. | Max. | MCA          | MOP | MSC   | RLA  | KW                  | FLA             |
| RZQ36PVJU9 | H/P        | 60    | 208/230 | 187  | 253  | 27.0         | 30  | —     | 18.6 | 0.070<br>+<br>0.070 | 0.3<br>+<br>0.3 |
| RZQ42PVJU9 | H/P        | 60    | 208/230 | 187  | 253  | 27.0         | 30  | —     | 19.6 | 0.070<br>+<br>0.070 | 0.3<br>+<br>0.3 |
| RZR36PVJU  | C/O        | 60    | 208/230 | 187  | 253  | 27.0         | 30  | —     | 18.6 | 0.070<br>+<br>0.070 | 0.3<br>+<br>0.3 |
| RZR42PVJU  | C/O        | 60    | 208/230 | 187  | 253  | 27.0         | 30  | —     | 19.6 | 0.070<br>+<br>0.070 | 0.3<br>+<br>0.3 |

The relationship between the starting time and the starting current.


**Notes:**

- RLA is based on the following conditions:  
Power supply : 60Hz 208V/230V  
Cooling:  
Indoor temp:80°F DB/67°F WB  
Outdoor temp:95°F DB  
Heating:  
Indoor temp:70°F DB  
Outdoor temp:47°F DB/43°F WB
- Voltage range:  
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- Maximum allowable voltage variation between phases is 2%.
- MCA represents maximum input current.
- MOP represents capacity which may accept MCA.
- Select wire size based on the value of MCA.
- MOP is used to select the fuse circuit breaker or the ground fault circuit interrupter (ground leakage circuit breaker).

**Symbols:**

- MCA :Minimum Circuit Amps, (A)  
MOP :Maximum Overcurrent Protective Device(See note7), (A)  
MSC :Maximum current when starting the compressor. (A)  
RLA :Rated Load Amps, (A)  
OFM :Outdoor Fan Motor, (A)  
FLA :Full Load Amps, (A)  
KW :Fan Motor Rated Output, (kW)

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## 8. Safety devices list

### 8.1 FCQ

FCQ18PAVJU / FCQ24PAVJU / FCQ30PAVJU / FCQ36PAVJU / FCQ42PAVJU

|           | Safety devices              |    | 18      | 24      | 30      | 36      | 42      |
|-----------|-----------------------------|----|---------|---------|---------|---------|---------|
| FCQ~PAVJU | PC board fuse               |    | 250V 5A | 250V 5A | 250V 5A | 250V 5A | 250V 5A |
|           | Fan motor thermal protector | °F | —       | —       | —       | —       | —       |
|           | Fan motor thermal fuse      | °F | —       | —       | —       | —       | —       |

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## 8.2 FHQ

### FHQ18PVJU / FHQ24PVJU / FHQ30PVJU

| MODEL NAME | SAFETY DEVICES              | UNITS | 18                       | 24                       | 30                       |
|------------|-----------------------------|-------|--------------------------|--------------------------|--------------------------|
| FHQ~PVJU   | PC board fuse               |       | 250V 5A                  | 250V 5A                  | 250V 5A                  |
|            | Fan motor thermal fuse      | °F    | —                        | —                        | —                        |
|            | Fan motor thermal protector | °F    | OFF: 266±9<br>ON: 176±36 | OFF: 266±9<br>ON: 176±36 | OFF: 266±9<br>ON: 176±36 |

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### FHQ36MVJU / FHQ42MVJU

| MODEL NAME | SAFETY DEVICES              | UNITS | 36                       | 42                       |
|------------|-----------------------------|-------|--------------------------|--------------------------|
| FHQ~MVJU   | PC board fuse               |       | 250V 5A                  | 250V 5A                  |
|            | Fan motor thermal fuse      | °F    | —                        | —                        |
|            | Fan motor thermal protector | °F    | OFF: 266±9<br>ON: 176±36 | OFF: 266±9<br>ON: 176±36 |

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8.3 FAQ

FAQ18PVJU / FAQ24PVJU

|          |                             |    |            |    |
|----------|-----------------------------|----|------------|----|
|          | Safety devices              |    | 18         | 24 |
| FAQ~PVJU | PC board fuse               |    | 250V 3.15A |    |
|          | Fan motor thermal fuse      | °F | _____      |    |
|          | Fan motor thermal protector | °F | _____      |    |

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## 8.4 FBQ

### FBQ18PVJU / FBQ24PVJU / FBQ30PVJU / FBQ36PVJU / FBQ42PVJU

|          | Safety devices             | 18         | 24         | 30         | 36         | 42         |
|----------|----------------------------|------------|------------|------------|------------|------------|
| FBQ~PVJU | PC board fuse              | 250V 3.15A | 250V 3.15A | 250V 3.15A | 250V 3.15A | 250V 3.15A |
|          | PC board fuse (Fan driver) | 250V 6.3A  | 250V 6.3A  | 250V 6.3A  | 250V 6.3A  | 250V 6.3A  |
|          | Drain pump thermal fuse    | °F 293     | 293        | 293        | 293        | 293        |

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## 9. Capacity tables

### 9.1 Cooling Only

#### 9.1.1 FCQ

##### FCQ18PAVJU + RZR18PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 10.7 | 0.59 | 11.68 | 10.7 | 0.63 | 11.68 | 10.6 | 0.72 | 11.68 | 10.6 | 0.76 | 11.68 | 10.6 | 0.81 | 11.68 | 10.6 | 0.92 |
| 72.0             | 61.0 | 14.21                  | 12.4 | 0.70 | 14.21 | 12.4 | 0.78 | 14.21 | 12.3 | 0.89 | 14.21 | 12.3 | 0.95 | 14.21 | 12.3 | 1.02 | 14.21 | 12.3 | 1.17 |
| 77.0             | 64.0 | 16.10                  | 13.4 | 0.79 | 16.10 | 13.4 | 0.90 | 16.10 | 13.3 | 1.04 | 16.10 | 13.3 | 1.11 | 16.10 | 13.3 | 1.19 | 16.10 | 13.3 | 1.37 |
| 80.0             | 67.0 | 18.00                  | 14.2 | 0.90 | 18.00 | 14.2 | 1.04 | 18.00 | 14.1 | 1.20 | 18.00 | 14.1 | 1.28 | 18.00 | 14.1 | 1.38 | 17.27 | 13.8 | 1.49 |
| 86.0             | 72.0 | 20.79                  | 14.6 | 1.07 | 20.06 | 14.2 | 1.18 | 19.32 | 13.8 | 1.29 | 19.00 | 13.5 | 1.34 | 18.59 | 13.5 | 1.40 | 17.86 | 13.4 | 1.51 |
| 90.0             | 75.0 | 21.14                  | 14.2 | 1.08 | 20.41 | 13.7 | 1.19 | 19.68 | 13.5 | 1.30 | 19.35 | 13.5 | 1.35 | 18.95 | 13.2 | 1.41 | 18.21 | 12.6 | 1.52 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

##### FCQ24PAVJU + RZR24PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 14.2 | 0.81 | 15.57 | 14.2 | 0.88 | 15.57 | 14.1 | 1.00 | 15.57 | 14.1 | 1.06 | 15.57 | 14.1 | 1.14 | 15.57 | 14.1 | 1.31 |
| 72.0             | 61.0 | 18.94                  | 16.7 | 0.97 | 18.94 | 16.7 | 1.10 | 18.94 | 16.6 | 1.26 | 18.94 | 16.6 | 1.35 | 18.94 | 16.6 | 1.45 | 18.94 | 16.6 | 1.67 |
| 77.0             | 64.0 | 21.47                  | 18.3 | 1.10 | 21.47 | 18.3 | 1.28 | 21.47 | 18.2 | 1.48 | 21.47 | 18.2 | 1.58 | 21.47 | 18.2 | 1.72 | 21.47 | 18.2 | 1.98 |
| 80.0             | 67.0 | 24.00                  | 19.0 | 1.27 | 24.00 | 19.0 | 1.48 | 24.00 | 18.9 | 1.72 | 24.00 | 18.9 | 1.84 | 24.00 | 18.9 | 2.00 | 23.02 | 18.7 | 2.16 |
| 86.0             | 72.0 | 27.72                  | 19.7 | 1.53 | 26.74 | 19.0 | 1.69 | 25.76 | 18.6 | 1.86 | 25.33 | 18.2 | 1.93 | 24.79 | 18.1 | 2.02 | 23.81 | 17.8 | 2.19 |
| 90.0             | 75.0 | 28.19                  | 18.9 | 1.54 | 27.21 | 18.2 | 1.70 | 26.24 | 17.8 | 1.87 | 25.80 | 18.0 | 1.94 | 25.26 | 17.9 | 2.04 | 24.29 | 17.3 | 2.20 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## FCQ30PAVJU + RZR30PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 19.47                  | 16.6 | 1.28 | 19.47 | 16.6 | 1.39 | 19.47 | 16.6 | 1.59 | 19.47 | 16.6 | 1.69 | 19.47 | 16.6 | 1.82 | 19.47 | 16.6 | 2.09 |
| 72.0             | 61.0 | 23.68                  | 19.4 | 1.55 | 23.68 | 19.4 | 1.75 | 23.68 | 19.4 | 2.02 | 23.68 | 19.4 | 2.15 | 23.68 | 19.4 | 2.33 | 23.68 | 19.4 | 2.69 |
| 77.0             | 64.0 | 26.84                  | 21.2 | 1.76 | 26.84 | 21.2 | 2.05 | 26.84 | 21.1 | 2.38 | 26.84 | 21.1 | 2.54 | 26.84 | 21.1 | 2.76 | 26.84 | 21.1 | 3.20 |
| 80.0             | 67.0 | 30.00                  | 22.2 | 2.03 | 30.00 | 22.2 | 2.37 | 30.00 | 22.3 | 2.77 | 30.00 | 22.3 | 2.97 | 30.00 | 22.3 | 3.23 | 28.78 | 21.5 | 3.50 |
| 86.0             | 72.0 | 34.65                  | 22.9 | 2.46 | 33.43 | 22.1 | 2.72 | 32.21 | 21.8 | 2.99 | 31.66 | 21.8 | 3.11 | 30.99 | 21.3 | 3.26 | 29.77 | 20.8 | 3.54 |
| 90.0             | 75.0 | 35.24                  | 21.8 | 2.47 | 34.02 | 21.1 | 2.74 | 32.80 | 21.1 | 3.01 | 32.25 | 20.6 | 3.13 | 31.58 | 20.6 | 3.28 | 30.36 | 19.9 | 3.56 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## FCQ36PAVJU + RZR36PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 23.40                  | 21.3 | 1.24 | 23.40 | 21.3 | 1.34 | 23.40 | 21.2 | 1.54 | 23.40 | 21.2 | 1.65 | 23.40 | 21.2 | 1.77 | 23.40 | 21.2 | 2.04 |
| 72.0             | 61.0 | 28.40                  | 24.7 | 1.50 | 28.40 | 24.7 | 1.69 | 28.40 | 24.6 | 1.96 | 28.40 | 24.6 | 2.10 | 28.40 | 24.6 | 2.27 | 28.40 | 24.6 | 2.63 |
| 77.0             | 64.0 | 32.20                  | 26.7 | 1.71 | 32.20 | 26.7 | 2.00 | 32.20 | 26.7 | 2.32 | 32.20 | 26.7 | 2.48 | 32.20 | 26.7 | 2.70 | 32.20 | 26.7 | 3.13 |
| 80.0             | 67.0 | 36.00                  | 28.4 | 1.97 | 36.00 | 28.4 | 2.31 | 36.00 | 28.6 | 2.71 | 36.00 | 28.6 | 2.90 | 36.00 | 28.6 | 3.16 | 34.50 | 27.8 | 3.42 |
| 86.0             | 72.0 | 41.60                  | 29.5 | 2.40 | 40.10 | 28.5 | 2.66 | 38.60 | 28.0 | 2.93 | 38.00 | 27.7 | 3.05 | 37.20 | 27.3 | 3.20 | 35.70 | 26.8 | 3.47 |
| 90.0             | 75.0 | 42.30                  | 28.8 | 2.41 | 40.80 | 27.7 | 2.68 | 39.40 | 27.5 | 2.94 | 38.70 | 26.9 | 3.06 | 37.90 | 26.4 | 3.21 | 36.40 | 26.0 | 3.49 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## FCQ42PAVJU + RZR42PVJU

Cooling Capacity ( 230V-60Hz )

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 27.27                  | 22.4 | 1.58 | 27.27 | 22.4 | 1.72 | 27.27 | 22.4 | 1.99 | 27.27 | 22.4 | 2.11 | 27.27 | 22.4 | 2.28 | 27.27 | 22.4 | 2.62 |
| 72.0             | 61.0 | 33.19                  | 26.5 | 1.92 | 33.19 | 26.5 | 2.18 | 33.19 | 26.4 | 2.53 | 33.19 | 26.4 | 2.70 | 33.19 | 26.4 | 2.93 | 33.19 | 26.4 | 3.39 |
| 77.0             | 64.0 | 37.54                  | 28.9 | 2.20 | 37.54 | 28.9 | 2.56 | 37.54 | 28.9 | 3.00 | 37.54 | 28.9 | 3.20 | 37.54 | 28.9 | 3.48 | 37.54 | 28.9 | 4.05 |
| 80.0             | 67.0 | 42.00                  | 31.1 | 2.54 | 42.00 | 31.1 | 2.99 | 42.00 | 30.9 | 3.49 | 42.00 | 30.9 | 3.74 | 42.00 | 30.9 | 4.08 | 40.34 | 30.2 | 4.42 |
| 86.0             | 72.0 | 48.53                  | 32.5 | 3.09 | 46.77 | 31.3 | 3.43 | 45.11 | 30.4 | 3.78 | 44.28 | 30.1 | 3.93 | 43.35 | 29.6 | 4.13 | 41.69 | 28.7 | 4.48 |
| 90.0             | 75.0 | 49.36                  | 31.1 | 3.11 | 47.60 | 30.0 | 3.45 | 45.94 | 29.4 | 3.80 | 45.11 | 29.0 | 3.96 | 44.18 | 28.5 | 4.15 | 42.52 | 27.8 | 4.51 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## 9.1.2 FHQ

## FHQ18PVJU + RZR18PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 10.6 | 0.54 | 11.68 | 10.6 | 0.59 | 11.68 | 10.6 | 0.66 | 11.68 | 10.6 | 0.70 | 11.68 | 10.6 | 0.75 | 11.68 | 10.6 | 0.85 |
| 72.0             | 61.0 | 14.21                  | 11.9 | 0.52 | 14.21 | 11.9 | 0.72 | 14.21 | 11.9 | 0.83 | 14.21 | 11.9 | 0.88 | 14.21 | 11.9 | 0.95 | 14.21 | 11.9 | 1.08 |
| 77.0             | 64.0 | 16.10                  | 12.7 | 0.60 | 16.10 | 12.7 | 0.84 | 16.10 | 12.7 | 0.96 | 16.10 | 12.7 | 1.03 | 16.10 | 12.7 | 1.11 | 16.10 | 12.7 | 1.28 |
| 80.0             | 67.0 | 18.00                  | 13.3 | 0.70 | 18.00 | 13.3 | 0.96 | 18.00 | 13.3 | 1.11 | 18.00 | 13.3 | 1.19 | 18.00 | 13.3 | 1.29 | 17.27 | 13.3 | 1.39 |
| 86.0             | 72.0 | 20.79                  | 14.2 | 0.87 | 20.06 | 14.0 | 1.09 | 19.32 | 13.2 | 1.20 | 19.00 | 13.3 | 1.24 | 18.59 | 13.2 | 1.30 | 17.86 | 12.7 | 1.40 |
| 90.0             | 75.0 | 21.14                  | 13.5 | 0.87 | 20.41 | 13.2 | 1.10 | 19.68 | 12.7 | 1.20 | 19.35 | 12.8 | 1.25 | 18.95 | 12.5 | 1.31 | 18.21 | 12.2 | 1.41 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3. ☐ shows nominal MAX capacities

## FHQ24PVJU + RZR24PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 12.6 | 0.77 | 15.57 | 12.6 | 0.83 | 15.57 | 12.6 | 0.95 | 15.57 | 12.6 | 1.01 | 15.57 | 12.6 | 1.09 | 15.57 | 12.6 | 1.24 |
| 72.0             | 61.0 | 18.94                  | 14.9 | 0.93 | 18.94 | 14.9 | 1.04 | 18.94 | 14.9 | 1.20 | 18.94 | 14.9 | 1.28 | 18.94 | 14.9 | 1.38 | 18.94 | 14.9 | 1.59 |
| 77.0             | 64.0 | 21.47                  | 16.3 | 1.05 | 21.47 | 16.3 | 1.22 | 21.47 | 16.3 | 1.41 | 21.47 | 16.3 | 1.51 | 21.47 | 16.3 | 1.63 | 21.47 | 16.3 | 1.89 |
| 80.0             | 67.0 | 24.00                  | 17.1 | 1.21 | 24.00 | 17.1 | 1.41 | 24.00 | 17.1 | 1.64 | 24.00 | 17.1 | 1.75 | 24.00 | 17.1 | 1.90 | 23.02 | 16.4 | 2.06 |
| 86.0             | 72.0 | 27.72                  | 17.5 | 1.46 | 26.74 | 16.9 | 1.61 | 25.76 | 16.5 | 1.77 | 25.33 | 16.2 | 1.84 | 24.79 | 16.1 | 1.93 | 23.81 | 15.5 | 2.09 |
| 90.0             | 75.0 | 28.19                  | 16.9 | 1.47 | 27.21 | 16.3 | 1.62 | 26.24 | 15.7 | 1.78 | 25.80 | 15.5 | 1.85 | 25.26 | 15.2 | 1.94 | 24.29 | 14.6 | 2.10 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3. ☐ shows nominal MAX capacities

**FHQ30PVJU + RZR30PVJU**

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 19.47                  | 15.6 | 1.12 | 19.47 | 15.6 | 1.21 | 19.47 | 15.6 | 1.40 | 19.47 | 15.6 | 1.49 | 19.47 | 15.6 | 1.61 | 19.47 | 15.6 | 1.84 |
| 72.0             | 61.0 | 23.68                  | 18.5 | 1.36 | 23.68 | 18.5 | 1.54 | 23.68 | 18.5 | 1.78 | 23.68 | 18.5 | 1.90 | 23.68 | 18.5 | 2.06 | 23.68 | 18.5 | 2.38 |
| 77.0             | 64.0 | 26.84                  | 19.9 | 1.55 | 26.84 | 19.9 | 1.80 | 26.84 | 19.9 | 2.10 | 26.84 | 19.9 | 2.25 | 26.84 | 19.9 | 2.44 | 26.84 | 19.9 | 2.83 |
| 80.0             | 67.0 | 30.00                  | 21.1 | 1.79 | 30.00 | 21.1 | 2.10 | 30.00 | 21.1 | 2.45 | 30.00 | 21.1 | 2.62 | 30.00 | 21.1 | 2.86 | 28.78 | 20.2 | 3.10 |
| 86.0             | 72.0 | 34.65                  | 21.8 | 2.17 | 33.43 | 21.0 | 2.41 | 32.21 | 20.6 | 2.65 | 31.66 | 20.3 | 2.75 | 30.99 | 20.2 | 2.89 | 29.77 | 19.4 | 3.13 |
| 90.0             | 75.0 | 35.24                  | 21.1 | 2.18 | 34.02 | 20.4 | 2.42 | 32.80 | 19.7 | 2.66 | 32.25 | 19.4 | 2.77 | 31.58 | 18.9 | 2.91 | 30.36 | 18.3 | 3.16 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities**FHQ36MVJU + RZR36PVJU**

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 23.40                  | 18.5 | 1.37 | 23.40 | 18.5 | 1.49 | 23.40 | 18.5 | 1.73 | 23.40 | 18.5 | 1.83 | 23.40 | 18.5 | 1.98 | 23.40 | 18.5 | 2.27 |
| 72.0             | 61.0 | 28.40                  | 21.9 | 1.67 | 28.40 | 21.9 | 1.89 | 28.40 | 21.8 | 2.20 | 28.40 | 21.8 | 2.34 | 28.40 | 21.8 | 2.54 | 28.40 | 21.8 | 2.94 |
| 77.0             | 64.0 | 32.20                  | 23.8 | 1.90 | 32.20 | 23.8 | 2.23 | 32.20 | 23.9 | 2.59 | 32.20 | 23.9 | 2.77 | 32.20 | 23.9 | 3.01 | 32.20 | 23.9 | 3.50 |
| 80.0             | 67.0 | 36.00                  | 25.2 | 2.21 | 36.00 | 25.2 | 2.59 | 36.00 | 25.1 | 3.03 | 36.00 | 25.1 | 3.25 | 36.00 | 25.1 | 3.53 | 34.50 | 24.0 | 3.82 |
| 86.0             | 72.0 | 41.60                  | 26.2 | 2.68 | 40.10 | 25.3 | 2.97 | 38.60 | 24.6 | 3.27 | 38.00 | 24.3 | 3.40 | 37.20 | 23.7 | 3.57 | 35.70 | 23.2 | 3.87 |
| 90.0             | 75.0 | 42.30                  | 25.0 | 2.70 | 40.80 | 24.1 | 2.99 | 39.40 | 23.6 | 3.29 | 38.70 | 23.2 | 3.42 | 37.90 | 22.8 | 3.60 | 36.40 | 21.8 | 3.90 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## FHQ42MVJU + RZR42PVJU

Cooling Capacity ( 230V-60Hz )

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 26.30                  | 20.8 | 1.65 | 26.30 | 20.8 | 1.79 | 26.30 | 20.8 | 2.07 | 26.30 | 20.8 | 2.20 | 26.30 | 20.8 | 2.38 | 26.30 | 20.8 | 2.74 |
| 72.0             | 61.0 | 32.00                  | 24.6 | 2.00 | 32.00 | 24.6 | 2.27 | 32.00 | 24.5 | 2.65 | 32.00 | 24.5 | 2.83 | 32.00 | 24.5 | 3.06 | 32.00 | 24.5 | 3.55 |
| 77.0             | 64.0 | 36.20                  | 26.8 | 2.29 | 36.20 | 26.8 | 2.68 | 36.20 | 26.9 | 3.12 | 36.20 | 26.9 | 3.34 | 36.20 | 26.9 | 3.64 | 36.20 | 26.9 | 4.22 |
| 80.0             | 67.0 | 40.50                  | 28.4 | 2.65 | 40.50 | 28.4 | 3.12 | 40.50 | 28.2 | 3.65 | 40.50 | 28.2 | 3.92 | 40.50 | 28.2 | 4.26 | 38.90 | 27.1 | 4.62 |
| 86.0             | 72.0 | 46.80                  | 29.5 | 3.23 | 45.10 | 28.4 | 3.59 | 43.50 | 27.7 | 3.95 | 42.70 | 27.3 | 4.10 | 41.80 | 26.6 | 4.31 | 40.20 | 26.1 | 4.68 |
| 90.0             | 75.0 | 47.60                  | 28.1 | 3.25 | 45.90 | 27.1 | 3.61 | 44.30 | 26.5 | 3.98 | 43.50 | 26.1 | 4.13 | 42.60 | 25.6 | 4.34 | 41.00 | 24.6 | 4.71 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## 9.1.3 FAQ

## FAQ18PVJU + RZR18PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 8.9  | 0.54 | 11.68 | 8.9  | 0.59 | 11.68 | 8.9  | 0.68 | 11.68 | 8.9  | 0.73 | 11.68 | 8.9  | 0.79 | 11.68 | 8.9  | 0.91 |
| 72.0             | 61.0 | 14.21                  | 11.7 | 0.66 | 14.21 | 11.7 | 0.75 | 14.21 | 11.7 | 0.87 | 14.21 | 11.7 | 0.93 | 14.21 | 11.7 | 1.01 | 14.21 | 11.7 | 1.18 |
| 77.0             | 64.0 | 16.10                  | 12.7 | 0.76 | 16.10 | 12.7 | 0.89 | 16.10 | 12.7 | 1.04 | 16.10 | 12.7 | 1.11 | 16.10 | 12.7 | 1.21 | 16.10 | 12.7 | 1.40 |
| 80.0             | 67.0 | 18.00                  | 13.7 | 0.88 | 18.00 | 13.7 | 1.03 | 18.00 | 13.7 | 1.21 | 18.00 | 13.7 | 1.30 | 18.00 | 13.7 | 1.42 | 17.27 | 13.7 | 1.54 |
| 86.0             | 72.0 | 20.79                  | 14.1 | 1.07 | 20.06 | 14.1 | 1.19 | 19.32 | 14.1 | 1.31 | 19.00 | 14.1 | 1.37 | 18.59 | 14.1 | 1.43 | 17.86 | 14.1 | 1.56 |
| 90.0             | 75.0 | 21.14                  | 12.8 | 1.08 | 20.41 | 12.8 | 1.20 | 19.68 | 12.8 | 1.32 | 19.35 | 12.8 | 1.37 | 18.95 | 12.8 | 1.44 | 18.21 | 12.8 | 1.57 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.  shows nominal MAX capacities

## FAQ24PVJU + RZR24PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 14.3 | 0.88 | 15.57 | 14.3 | 0.96 | 15.57 | 14.3 | 1.12 | 15.57 | 14.3 | 1.19 | 15.57 | 14.3 | 1.29 | 15.57 | 14.3 | 1.49 |
| 72.0             | 61.0 | 18.94                  | 15.3 | 1.08 | 18.94 | 15.3 | 1.23 | 18.94 | 15.3 | 1.44 | 18.94 | 15.3 | 1.54 | 18.94 | 15.3 | 1.68 | 18.94 | 15.3 | 1.95 |
| 77.0             | 64.0 | 21.47                  | 16.5 | 1.24 | 21.47 | 16.5 | 1.46 | 21.47 | 16.5 | 1.71 | 21.47 | 16.5 | 1.83 | 21.47 | 16.5 | 2.00 | 21.47 | 16.5 | 2.33 |
| 80.0             | 67.0 | 24.00                  | 18.0 | 1.44 | 24.00 | 18.0 | 1.71 | 24.00 | 18.0 | 2.01 | 24.00 | 18.0 | 2.16 | 24.00 | 18.0 | 2.35 | 23.02 | 18.0 | 2.56 |
| 86.0             | 72.0 | 27.72                  | 18.8 | 1.77 | 26.74 | 18.4 | 1.97 | 25.76 | 18.0 | 2.18 | 25.33 | 17.8 | 2.27 | 24.79 | 17.6 | 2.38 | 23.81 | 17.2 | 2.59 |
| 90.0             | 75.0 | 28.19                  | 17.5 | 1.78 | 27.21 | 17.0 | 1.98 | 26.24 | 16.6 | 2.19 | 25.80 | 16.4 | 2.28 | 25.26 | 16.2 | 2.40 | 24.29 | 15.7 | 2.61 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.  shows nominal MAX capacities

## 9.1.4 FBQ

## FBQ18PVJU + RZR18PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 11.1 | 0.54 | 11.68 | 11.1 | 0.58 | 11.68 | 11.1 | 0.66 | 11.68 | 11.1 | 0.70 | 11.68 | 11.1 | 0.75 | 11.68 | 11.1 | 0.85 |
| 72.0             | 61.0 | 14.21                  | 12.9 | 0.52 | 14.21 | 12.9 | 0.72 | 14.21 | 12.9 | 0.82 | 14.21 | 12.9 | 0.87 | 14.21 | 12.9 | 0.94 | 14.21 | 12.9 | 1.07 |
| 77.0             | 64.0 | 16.10                  | 14.0 | 0.60 | 16.10 | 14.0 | 0.83 | 16.10 | 14.0 | 0.96 | 16.10 | 14.0 | 1.02 | 16.10 | 14.0 | 1.10 | 16.10 | 14.0 | 1.27 |
| 80.0             | 67.0 | 18.00                  | 14.8 | 0.70 | 18.00 | 14.8 | 0.95 | 18.00 | 14.8 | 1.10 | 18.00 | 14.8 | 1.18 | 18.00 | 14.8 | 1.28 | 17.27 | 14.3 | 1.38 |
| 86.0             | 72.0 | 20.79                  | 14.9 | 0.86 | 20.06 | 14.5 | 1.09 | 19.32 | 14.1 | 1.19 | 19.00 | 14.0 | 1.23 | 18.59 | 13.7 | 1.29 | 17.86 | 13.3 | 1.39 |
| 90.0             | 75.0 | 21.14                  | 12.9 | 0.87 | 20.41 | 12.4 | 1.09 | 19.68 | 12.0 | 1.20 | 19.35 | 11.8 | 1.24 | 18.95 | 11.5 | 1.30 | 18.21 | 11.1 | 1.40 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3. ☐ shows nominal MAX capacities

## FBQ24PVJU + RZR24PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 13.8 | 0.81 | 15.57 | 13.8 | 0.88 | 15.57 | 13.8 | 1.00 | 15.57 | 13.8 | 1.06 | 15.57 | 13.8 | 1.14 | 15.57 | 13.8 | 1.31 |
| 72.0             | 61.0 | 18.94                  | 16.2 | 0.97 | 18.94 | 16.2 | 1.09 | 18.94 | 16.2 | 1.26 | 18.94 | 16.2 | 1.34 | 18.94 | 16.2 | 1.45 | 18.94 | 16.2 | 1.67 |
| 77.0             | 64.0 | 21.47                  | 17.6 | 1.10 | 21.47 | 17.6 | 1.28 | 21.47 | 17.6 | 1.48 | 21.47 | 17.6 | 1.58 | 21.47 | 17.6 | 1.71 | 21.47 | 17.6 | 1.98 |
| 80.0             | 67.0 | 24.00                  | 18.7 | 1.27 | 24.00 | 18.7 | 1.48 | 24.00 | 18.7 | 1.72 | 24.00 | 18.7 | 1.84 | 24.00 | 18.7 | 2.00 | 23.02 | 18.1 | 2.16 |
| 86.0             | 72.0 | 27.72                  | 19.2 | 1.53 | 26.74 | 18.7 | 1.69 | 25.76 | 18.2 | 1.86 | 25.33 | 18.0 | 1.93 | 24.79 | 17.7 | 2.02 | 23.81 | 17.2 | 2.19 |
| 90.0             | 75.0 | 28.19                  | 20.8 | 1.54 | 27.21 | 20.5 | 1.70 | 26.24 | 20.1 | 1.87 | 25.80 | 20.0 | 1.94 | 25.26 | 19.8 | 2.04 | 24.29 | 19.3 | 2.21 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3. ☐ shows nominal MAX capacities

## FBQ30PVJU + RZR30PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 19.47                  | 17.1 | 1.12 | 19.47 | 17.1 | 1.21 | 19.47 | 17.1 | 1.40 | 19.47 | 17.1 | 1.49 | 19.47 | 17.1 | 1.61 | 19.47 | 17.1 | 1.84 |
| 72.0             | 61.0 | 23.68                  | 20.0 | 1.36 | 23.68 | 20.0 | 1.54 | 23.68 | 20.0 | 1.78 | 23.68 | 20.0 | 1.90 | 23.68 | 20.0 | 2.06 | 23.68 | 20.0 | 2.38 |
| 77.0             | 64.0 | 26.84                  | 21.9 | 1.55 | 26.84 | 21.9 | 1.80 | 26.84 | 21.9 | 2.10 | 26.84 | 21.9 | 2.25 | 26.84 | 21.9 | 2.44 | 26.84 | 21.9 | 2.83 |
| 80.0             | 67.0 | 30.00                  | 23.4 | 1.79 | 30.00 | 23.4 | 2.10 | 30.00 | 23.4 | 2.45 | 30.00 | 23.4 | 2.62 | 30.00 | 23.4 | 2.86 | 28.78 | 22.6 | 3.10 |
| 86.0             | 72.0 | 34.65                  | 24.0 | 2.17 | 33.43 | 23.4 | 2.41 | 32.21 | 22.7 | 2.65 | 31.66 | 22.4 | 2.75 | 30.99 | 22.1 | 2.89 | 29.77 | 21.4 | 3.13 |
| 90.0             | 75.0 | 35.24                  | 23.5 | 2.18 | 34.02 | 23.0 | 2.42 | 32.80 | 22.4 | 2.66 | 32.25 | 22.2 | 2.77 | 31.58 | 21.9 | 2.91 | 30.36 | 21.2 | 3.16 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## FBQ36PVJU + RZR36PVJU

Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 23.40                  | 19.7 | 1.25 | 23.40 | 19.7 | 1.36 | 23.40 | 19.7 | 1.57 | 23.40 | 19.7 | 1.67 | 23.40 | 19.7 | 1.80 | 23.40 | 19.7 | 2.07 |
| 72.0             | 61.0 | 28.40                  | 23.1 | 1.52 | 28.40 | 23.1 | 1.72 | 28.40 | 23.1 | 2.00 | 28.40 | 23.1 | 2.13 | 28.40 | 23.1 | 2.31 | 28.40 | 23.1 | 2.68 |
| 77.0             | 64.0 | 32.20                  | 25.4 | 1.73 | 32.20 | 25.4 | 2.03 | 32.20 | 25.4 | 2.36 | 32.20 | 25.4 | 2.53 | 32.20 | 25.4 | 2.74 | 32.20 | 25.4 | 3.19 |
| 80.0             | 67.0 | 36.00                  | 27.2 | 2.01 | 36.00 | 27.2 | 2.36 | 36.00 | 27.2 | 2.76 | 36.00 | 27.2 | 2.96 | 36.00 | 27.2 | 3.21 | 34.50 | 26.4 | 3.48 |
| 86.0             | 72.0 | 41.60                  | 28.2 | 2.44 | 40.10 | 27.5 | 2.71 | 38.60 | 26.7 | 2.98 | 38.00 | 26.4 | 3.10 | 37.20 | 26.0 | 3.25 | 35.70 | 25.2 | 3.53 |
| 90.0             | 75.0 | 42.30                  | 27.2 | 2.46 | 40.80 | 26.4 | 2.72 | 39.40 | 25.7 | 3.00 | 38.70 | 25.3 | 3.12 | 37.90 | 24.9 | 3.28 | 36.40 | 24.1 | 3.55 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## FBQ42PVJU + RZR42PVJU

Cooling Capacity ( 230V-60Hz )

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 27.27                  | 23.1 | 1.59 | 27.27 | 23.1 | 1.73 | 27.27 | 23.1 | 2.00 | 27.27 | 23.1 | 2.13 | 27.27 | 23.1 | 2.30 | 27.27 | 23.1 | 2.64 |
| 72.0             | 61.0 | 33.19                  | 27.1 | 1.93 | 33.19 | 27.1 | 2.19 | 33.19 | 27.1 | 2.56 | 33.19 | 27.1 | 2.73 | 33.19 | 27.1 | 2.96 | 33.19 | 27.1 | 3.43 |
| 77.0             | 64.0 | 37.54                  | 29.6 | 2.21 | 37.54 | 29.6 | 2.59 | 37.54 | 29.6 | 3.02 | 37.54 | 29.6 | 3.23 | 37.54 | 29.6 | 3.51 | 37.54 | 29.6 | 4.08 |
| 80.0             | 67.0 | 42.00                  | 31.6 | 2.56 | 42.00 | 31.6 | 3.02 | 42.00 | 31.6 | 3.52 | 42.00 | 31.6 | 3.78 | 42.00 | 31.6 | 4.12 | 40.34 | 30.8 | 4.46 |
| 86.0             | 72.0 | 48.53                  | 32.6 | 3.12 | 46.77 | 31.8 | 3.47 | 45.11 | 31.1 | 3.81 | 44.28 | 30.7 | 3.96 | 43.35 | 30.3 | 4.17 | 41.69 | 29.4 | 4.52 |
| 90.0             | 75.0 | 49.36                  | 31.5 | 3.14 | 47.60 | 30.6 | 3.49 | 45.94 | 29.8 | 3.84 | 45.11 | 29.4 | 3.99 | 44.18 | 29.0 | 4.19 | 42.52 | 28.1 | 4.55 |

Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

Notes:

1. The above data are based on the following conditions.

| Cooling                 | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        |                             |            |

2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

3.   shows nominal MAX capacities

## 9.2 Heat Pump

### 9.2.1 FCQ

#### FCQ18PAVJU + RZQ18PVJU9

##### Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 10.7 | 0.59 | 11.68 | 10.7 | 0.63 | 11.68 | 10.6 | 0.72 | 11.68 | 10.6 | 0.76 | 11.68 | 10.6 | 0.81 | 11.68 | 10.6 | 0.92 |
| 72.0             | 61.0 | 14.21                  | 12.4 | 0.70 | 14.21 | 12.4 | 0.78 | 14.21 | 12.3 | 0.89 | 14.21 | 12.3 | 0.95 | 14.21 | 12.3 | 1.02 | 14.21 | 12.3 | 1.17 |
| 77.0             | 64.0 | 16.10                  | 13.4 | 0.79 | 16.10 | 13.4 | 0.90 | 16.10 | 13.3 | 1.04 | 16.10 | 13.3 | 1.11 | 16.10 | 13.3 | 1.19 | 16.10 | 13.3 | 1.37 |
| 80.0             | 67.0 | 18.00                  | 14.2 | 0.90 | 18.00 | 14.2 | 1.04 | 18.00 | 14.1 | 1.20 | 18.00 | 14.1 | 1.28 | 18.00 | 14.1 | 1.38 | 17.27 | 13.8 | 1.49 |
| 86.0             | 72.0 | 20.79                  | 14.6 | 1.07 | 20.06 | 14.2 | 1.18 | 19.32 | 13.8 | 1.29 | 19.00 | 13.5 | 1.34 | 18.59 | 13.5 | 1.40 | 17.86 | 13.4 | 1.51 |
| 90.0             | 75.0 | 21.14                  | 14.2 | 1.08 | 20.41 | 13.7 | 1.19 | 19.68 | 13.5 | 1.30 | 19.35 | 13.5 | 1.35 | 18.95 | 13.2 | 1.41 | 18.21 | 12.6 | 1.52 |

##### Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |       | Outdoor Air Temp. °FWB |       |      |       |      |       |      |       |      |    |
|------------------|-------|------------------------|-------|------|-------|------|-------|------|-------|------|----|
|                  |       | 14                     |       | 23   |       | 32   |       | 43   |       | 50   |    |
|                  |       | TC                     | PI    | TC   | PI    | TC   | PI    | TC   | PI    | TC   | PI |
| °FDB             | °FWB  | MBh                    | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW |
| 61               | 23.33 | 2.64                   | 23.33 | 2.33 | 23.33 | 1.97 | 23.33 | 1.74 | 23.33 | 1.62 |    |
| 64               | 22.22 | 2.48                   | 22.22 | 2.19 | 22.22 | 1.86 | 22.22 | 1.64 | 22.22 | 1.53 |    |
| 68               | 20.74 | 2.28                   | 20.74 | 2.02 | 20.74 | 1.72 | 20.74 | 1.52 | 20.74 | 1.42 |    |
| 70               | 20.00 | 2.18                   | 20.00 | 1.93 | 20.00 | 1.65 | 20.00 | 1.46 | 20.00 | 1.37 |    |
| 72               | 19.26 | 2.08                   | 19.26 | 1.85 | 19.26 | 1.59 | 19.26 | 1.41 | 19.26 | 1.32 |    |
| 75               | 18.15 | 1.94                   | 18.15 | 1.73 | 18.15 | 1.49 | 18.15 | 1.32 | 18.15 | 1.24 |    |

##### Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating)  
capacity

PI : Power input (kW)

(Comp. + indoor + outdoor fan motor).

##### Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FCQ24PAVJU + RZQ24PVJU9

## Cooling Capacity ( 230V-60Hz )

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 14.2 | 0.81 | 15.57 | 14.2 | 0.88 | 15.57 | 14.1 | 1.00 | 15.57 | 14.1 | 1.06 | 15.57 | 14.1 | 1.14 | 15.57 | 14.1 | 1.31 |
| 72.0             | 61.0 | 18.94                  | 16.7 | 0.97 | 18.94 | 16.7 | 1.10 | 18.94 | 16.6 | 1.26 | 18.94 | 16.6 | 1.35 | 18.94 | 16.6 | 1.45 | 18.94 | 16.6 | 1.67 |
| 77.0             | 64.0 | 21.47                  | 18.3 | 1.10 | 21.47 | 18.3 | 1.28 | 21.47 | 18.2 | 1.48 | 21.47 | 18.2 | 1.58 | 21.47 | 18.2 | 1.72 | 21.47 | 18.2 | 1.98 |
| 80.0             | 67.0 | 24.00                  | 19.0 | 1.27 | 24.00 | 19.0 | 1.48 | 24.00 | 18.9 | 1.72 | 24.00 | 18.9 | 1.84 | 24.00 | 18.9 | 2.00 | 23.02 | 18.7 | 2.16 |
| 86.0             | 72.0 | 27.72                  | 19.7 | 1.53 | 26.74 | 19.0 | 1.69 | 25.76 | 18.6 | 1.86 | 25.33 | 18.2 | 1.93 | 24.79 | 18.1 | 2.02 | 23.81 | 17.8 | 2.19 |
| 90.0             | 75.0 | 28.19                  | 18.9 | 1.54 | 27.21 | 18.2 | 1.70 | 26.24 | 17.8 | 1.87 | 25.80 | 18.0 | 1.94 | 25.26 | 17.9 | 2.04 | 24.29 | 17.3 | 2.20 |

## Heating Capacity ( 230V-60Hz )

| Indoor Air Temp. |       | Outdoor Air Temp. °FWB |       |      |       |      |       |      |       |      |    |
|------------------|-------|------------------------|-------|------|-------|------|-------|------|-------|------|----|
|                  |       | 14                     |       | 23   |       | 32   |       | 43   |       | 50   |    |
|                  |       | TC                     | PI    | TC   | PI    | TC   | PI    | TC   | PI    | TC   | PI |
| °FDB             |       | MBh                    | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW |
| 61               | 24.18 | 2.46                   | 26.67 | 2.57 | 30.49 | 2.69 | 31.50 | 2.48 | 31.50 | 2.31 |    |
| 64               | 24.14 | 2.51                   | 26.63 | 2.61 | 30.00 | 2.67 | 30.00 | 2.35 | 30.00 | 2.18 |    |
| 68               | 24.09 | 2.58                   | 26.57 | 2.67 | 28.00 | 2.46 | 28.00 | 2.17 | 28.00 | 2.02 |    |
| 70               | 24.06 | 2.61                   | 26.55 | 2.70 | 27.00 | 2.36 | 27.00 | 2.08 | 27.00 | 1.94 |    |
| 72               | 24.03 | 2.64                   | 26.00 | 2.65 | 26.00 | 2.26 | 26.00 | 2.00 | 26.00 | 1.86 |    |
| 75               | 23.99 | 2.69                   | 24.50 | 2.47 | 24.50 | 2.11 | 24.50 | 1.87 | 24.50 | 1.75 |    |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Heating                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FEB<br>Outdoor : 95°FDB | Indoor : 70°FDB<br>Outdoor : 47°FDB, 43°FEB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FCQ30PAVJU + RZQ30PVJU

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 19.47                  | 16.6 | 1.28 | 19.47 | 16.6 | 1.39 | 19.47 | 16.6 | 1.59 | 19.47 | 16.6 | 1.69 | 19.47 | 16.6 | 1.82 | 19.47 | 16.6 | 2.09 |
| 72.0             | 61.0 | 23.68                  | 19.4 | 1.55 | 23.68 | 19.4 | 1.75 | 23.68 | 19.4 | 2.02 | 23.68 | 19.4 | 2.15 | 23.68 | 19.4 | 2.33 | 23.68 | 19.4 | 2.69 |
| 77.0             | 64.0 | 26.84                  | 21.2 | 1.76 | 26.84 | 21.2 | 2.05 | 26.84 | 21.1 | 2.38 | 26.84 | 21.1 | 2.54 | 26.84 | 21.1 | 2.76 | 26.84 | 21.1 | 3.20 |
| 80.0             | 67.0 | 30.00                  | 22.2 | 2.03 | 30.00 | 22.2 | 2.37 | 30.00 | 22.3 | 2.77 | 30.00 | 22.3 | 2.97 | 30.00 | 22.3 | 3.23 | 28.78 | 21.5 | 3.50 |
| 86.0             | 72.0 | 34.65                  | 22.9 | 2.46 | 33.43 | 22.1 | 2.72 | 32.21 | 21.8 | 2.99 | 31.66 | 21.8 | 3.11 | 30.99 | 21.3 | 3.26 | 29.77 | 20.8 | 3.54 |
| 90.0             | 75.0 | 35.24                  | 21.8 | 2.47 | 34.02 | 21.1 | 2.74 | 32.80 | 21.1 | 3.01 | 32.25 | 20.6 | 3.13 | 31.58 | 20.6 | 3.28 | 30.36 | 19.9 | 3.56 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 24.41                  | 2.34 | 26.89 | 2.48 | 30.72 | 2.66 | 34.22 | 2.79 | 36.45 | 2.86 |
| 64               |  | 24.36                  | 2.41 | 26.84 | 2.55 | 30.66 | 2.72 | 34.17 | 2.84 | 36.40 | 2.91 |
| 68               |  | 24.29                  | 2.50 | 26.77 | 2.63 | 30.59 | 2.79 | 34.10 | 2.91 | 35.26 | 2.84 |
| 70               |  | 24.25                  | 2.55 | 26.74 | 2.67 | 30.56 | 2.83 | 34.00 | 2.93 | 34.00 | 2.73 |
| 72               |  | 24.22                  | 2.59 | 26.70 | 2.72 | 30.53 | 2.86 | 32.74 | 2.81 | 32.74 | 2.62 |
| 75               |  | 24.17                  | 2.66 | 26.65 | 2.78 | 30.47 | 2.92 | 30.85 | 2.63 | 30.85 | 2.45 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)  
(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FCQ36PAVJU + RZQ36PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 23.40                  | 21.3 | 1.24 | 23.40 | 21.3 | 1.34 | 23.40 | 21.2 | 1.54 | 23.40 | 21.2 | 1.65 | 23.40 | 21.2 | 1.77 | 23.40 | 21.2 | 2.04 |
| 72.0             | 61.0 | 28.40                  | 24.7 | 1.50 | 28.40 | 24.7 | 1.69 | 28.40 | 24.6 | 1.96 | 28.40 | 24.6 | 2.10 | 28.40 | 24.6 | 2.27 | 28.40 | 24.6 | 2.63 |
| 77.0             | 64.0 | 32.20                  | 26.7 | 1.71 | 32.20 | 26.7 | 2.00 | 32.20 | 26.7 | 2.32 | 32.20 | 26.7 | 2.48 | 32.20 | 26.7 | 2.70 | 32.20 | 26.7 | 3.13 |
| 80.0             | 67.0 | 36.00                  | 28.4 | 1.97 | 36.00 | 28.4 | 2.31 | 36.00 | 28.6 | 2.71 | 36.00 | 28.6 | 2.90 | 36.00 | 28.6 | 3.16 | 34.50 | 27.8 | 3.42 |
| 86.0             | 72.0 | 41.60                  | 29.5 | 2.40 | 40.10 | 28.5 | 2.66 | 38.60 | 28.0 | 2.93 | 38.00 | 27.7 | 3.05 | 37.20 | 27.3 | 3.20 | 35.70 | 26.8 | 3.47 |
| 90.0             | 75.0 | 42.30                  | 28.8 | 2.41 | 40.80 | 27.7 | 2.68 | 39.40 | 27.5 | 2.94 | 38.70 | 26.9 | 3.06 | 37.90 | 26.4 | 3.21 | 36.40 | 26.0 | 3.49 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 30.48                  | 2.82 | 33.92 | 2.99 | 37.47 | 3.14 | 41.72 | 3.28 | 44.46 | 3.36 |
| 64               |  | 30.38                  | 2.89 | 33.92 | 3.06 | 37.37 | 3.20 | 41.72 | 3.33 | 44.35 | 3.41 |
| 68               |  | 30.28                  | 2.99 | 33.82 | 3.15 | 37.37 | 3.28 | 41.52 | 3.39 | 41.52 | 3.16 |
| 70               |  | 30.28                  | 3.04 | 33.82 | 3.20 | 37.27 | 3.32 | 40.00 | 3.26 | 40.00 | 3.03 |
| 72               |  | 30.28                  | 3.10 | 33.72 | 3.24 | 37.27 | 3.36 | 38.48 | 3.12 | 38.48 | 2.91 |
| 75               |  | 30.28                  | 3.17 | 33.72 | 3.31 | 36.25 | 3.30 | 36.25 | 2.92 | 36.25 | 2.72 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)  
(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FCQ42PAVJU + RZQ42PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 27.27                  | 22.4 | 1.58 | 27.27 | 22.4 | 1.72 | 27.27 | 22.4 | 1.99 | 27.27 | 22.4 | 2.11 | 27.27 | 22.4 | 2.28 | 27.27 | 22.4 | 2.62 |
| 72.0             | 61.0 | 33.19                  | 26.5 | 1.92 | 33.19 | 26.5 | 2.18 | 33.19 | 26.4 | 2.53 | 33.19 | 26.4 | 2.70 | 33.19 | 26.4 | 2.93 | 33.19 | 26.4 | 3.39 |
| 77.0             | 64.0 | 37.54                  | 28.9 | 2.20 | 37.54 | 28.9 | 2.56 | 37.54 | 28.9 | 3.00 | 37.54 | 28.9 | 3.20 | 37.54 | 28.9 | 3.48 | 37.54 | 28.9 | 4.05 |
| 80.0             | 67.0 | 42.00                  | 31.1 | 2.54 | 42.00 | 31.1 | 2.99 | 42.00 | 30.9 | 3.49 | 42.00 | 30.9 | 3.74 | 42.00 | 30.9 | 4.08 | 40.34 | 30.2 | 4.42 |
| 86.0             | 72.0 | 48.53                  | 32.5 | 3.09 | 46.77 | 31.3 | 3.43 | 45.11 | 30.4 | 3.78 | 44.28 | 30.1 | 3.93 | 43.35 | 29.6 | 4.13 | 41.69 | 28.7 | 4.48 |
| 90.0             | 75.0 | 49.36                  | 31.1 | 3.11 | 47.60 | 30.0 | 3.45 | 45.94 | 29.4 | 3.80 | 45.11 | 29.0 | 3.96 | 44.18 | 28.5 | 4.15 | 42.52 | 27.8 | 4.51 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 34.54                  | 3.28 | 38.51 | 3.50 | 42.47 | 3.68 | 47.34 | 3.86 | 50.40 | 3.96 |
| 64               |  | 34.43                  | 3.38 | 38.39 | 3.59 | 42.36 | 3.75 | 47.23 | 3.93 | 50.28 | 4.01 |
| 68               |  | 34.32                  | 3.50 | 38.28 | 3.70 | 42.24 | 3.86 | 47.11 | 4.01 | 48.70 | 3.93 |
| 70               |  | 34.32                  | 3.57 | 38.28 | 3.75 | 42.24 | 3.91 | 47.00 | 4.05 | 47.00 | 3.77 |
| 72               |  | 34.32                  | 3.63 | 38.28 | 3.81 | 42.24 | 3.96 | 45.30 | 3.88 | 45.30 | 3.61 |
| 75               |  | 34.20                  | 3.73 | 38.17 | 3.89 | 42.13 | 4.03 | 42.70 | 3.63 | 42.70 | 3.39 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)  
(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## 9.2.2 FHQ

## FHQ18PVJU + RZQ18PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 10.6 | 0.54 | 11.68 | 10.6 | 0.59 | 11.68 | 10.6 | 0.66 | 11.68 | 10.6 | 0.70 | 11.68 | 10.6 | 0.75 | 11.68 | 10.6 | 0.85 |
| 72.0             | 61.0 | 14.21                  | 11.9 | 0.52 | 14.21 | 11.9 | 0.72 | 14.21 | 11.9 | 0.83 | 14.21 | 11.9 | 0.88 | 14.21 | 11.9 | 0.95 | 14.21 | 11.9 | 1.08 |
| 77.0             | 64.0 | 16.10                  | 12.7 | 0.60 | 16.10 | 12.7 | 0.84 | 16.10 | 12.7 | 0.96 | 16.10 | 12.7 | 1.03 | 16.10 | 12.7 | 1.11 | 16.10 | 12.7 | 1.28 |
| 80.0             | 67.0 | 18.00                  | 13.3 | 0.70 | 18.00 | 13.3 | 0.96 | 18.00 | 13.3 | 1.11 | 18.00 | 13.3 | 1.19 | 18.00 | 13.3 | 1.29 | 17.27 | 13.3 | 1.39 |
| 86.0             | 72.0 | 20.79                  | 14.2 | 0.87 | 20.06 | 14.0 | 1.09 | 19.32 | 13.2 | 1.20 | 19.00 | 13.3 | 1.24 | 18.59 | 13.2 | 1.30 | 17.86 | 12.7 | 1.40 |
| 90.0             | 75.0 | 21.14                  | 13.5 | 0.87 | 20.41 | 13.2 | 1.10 | 19.68 | 12.7 | 1.20 | 19.35 | 12.8 | 1.25 | 18.95 | 12.5 | 1.31 | 18.21 | 12.2 | 1.41 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |       | Outdoor Air Temp. °FWB |       |      |       |      |       |      |       |      |    |
|------------------|-------|------------------------|-------|------|-------|------|-------|------|-------|------|----|
|                  |       | 14                     |       | 23   |       | 32   |       | 43   |       | 50   |    |
|                  |       | TC                     | PI    | TC   | PI    | TC   | PI    | TC   | PI    | TC   | PI |
| °FDB             | °FWB  | MBh                    | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW |
| 61               | 23.33 | 2.73                   | 23.33 | 2.40 | 23.33 | 2.04 | 23.33 | 1.79 | 23.33 | 1.67 |    |
| 64               | 22.22 | 2.56                   | 22.22 | 2.26 | 22.22 | 1.92 | 22.22 | 1.70 | 22.22 | 1.58 |    |
| 68               | 20.74 | 2.35                   | 20.74 | 2.08 | 20.74 | 1.78 | 20.74 | 1.57 | 20.74 | 1.47 |    |
| 70               | 20.00 | 2.25                   | 20.00 | 2.00 | 20.00 | 1.71 | 20.00 | 1.51 | 20.00 | 1.41 |    |
| 72               | 19.26 | 2.15                   | 19.26 | 1.91 | 19.26 | 1.63 | 19.26 | 1.45 | 19.26 | 1.36 |    |
| 75               | 18.15 | 2.00                   | 18.15 | 1.78 | 18.15 | 1.53 | 18.15 | 1.36 | 18.15 | 1.27 |    |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating)

capacity (kW)

PI : Power input (kW)

(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FHQ24PVJU + RZQ24PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 12.6 | 0.77 | 15.57 | 12.6 | 0.83 | 15.57 | 12.6 | 0.95 | 15.57 | 12.6 | 1.01 | 15.57 | 12.6 | 1.09 | 15.57 | 12.6 | 1.24 |
| 72.0             | 61.0 | 18.94                  | 14.9 | 0.93 | 18.94 | 14.9 | 1.04 | 18.94 | 14.9 | 1.20 | 18.94 | 14.9 | 1.28 | 18.94 | 14.9 | 1.38 | 18.94 | 14.9 | 1.59 |
| 77.0             | 64.0 | 21.47                  | 16.3 | 1.05 | 21.47 | 16.3 | 1.22 | 21.47 | 16.3 | 1.41 | 21.47 | 16.3 | 1.51 | 21.47 | 16.3 | 1.63 | 21.47 | 16.3 | 1.89 |
| 80.0             | 67.0 | 24.00                  | 17.1 | 1.21 | 24.00 | 17.1 | 1.41 | 24.00 | 17.1 | 1.64 | 24.00 | 17.1 | 1.75 | 24.00 | 17.1 | 1.90 | 23.02 | 16.4 | 2.06 |
| 86.0             | 72.0 | 27.72                  | 17.5 | 1.46 | 26.74 | 16.9 | 1.61 | 25.76 | 16.5 | 1.77 | 25.33 | 16.2 | 1.84 | 24.79 | 16.1 | 1.93 | 23.81 | 15.5 | 2.09 |
| 90.0             | 75.0 | 28.19                  | 16.9 | 1.47 | 27.21 | 16.3 | 1.62 | 26.24 | 15.7 | 1.78 | 25.80 | 15.5 | 1.85 | 25.26 | 15.2 | 1.94 | 24.29 | 14.6 | 2.10 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 24.18                  | 2.60 | 26.67 | 2.71 | 30.49 | 2.84 | 31.50 | 2.62 | 31.50 | 2.43 |
| 64               |  | 24.14                  | 2.65 | 26.63 | 2.76 | 30.00 | 2.82 | 30.00 | 2.48 | 30.00 | 2.30 |
| 68               |  | 24.09                  | 2.72 | 26.57 | 2.82 | 28.00 | 2.60 | 28.00 | 2.29 | 28.00 | 2.13 |
| 70               |  | 24.06                  | 2.76 | 26.55 | 2.85 | 27.00 | 2.49 | 27.00 | 2.20 | 27.00 | 2.05 |
| 72               |  | 24.03                  | 2.79 | 26.00 | 2.80 | 26.00 | 2.38 | 26.00 | 2.11 | 26.00 | 1.97 |
| 75               |  | 23.99                  | 2.84 | 24.50 | 2.61 | 24.50 | 2.23 | 24.50 | 1.97 | 24.50 | 1.84 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating)  
capacity (kW)PI : Power input (kW)  
(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Heating                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | Indoor : 70°FDB<br>Outdoor : 47°FDB, 43°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FHQ30PVJU + RZQ30PVJU

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 19.47                  | 15.6 | 1.12 | 19.47 | 15.6 | 1.21 | 19.47 | 15.6 | 1.40 | 19.47 | 15.6 | 1.49 | 19.47 | 15.6 | 1.61 | 19.47 | 15.6 | 1.84 |
| 72.0             | 61.0 | 23.68                  | 18.5 | 1.36 | 23.68 | 18.5 | 1.54 | 23.68 | 18.5 | 1.78 | 23.68 | 18.5 | 1.90 | 23.68 | 18.5 | 2.06 | 23.68 | 18.5 | 2.38 |
| 77.0             | 64.0 | 26.84                  | 19.9 | 1.55 | 26.84 | 19.9 | 1.80 | 26.84 | 19.9 | 2.10 | 26.84 | 19.9 | 2.25 | 26.84 | 19.9 | 2.44 | 26.84 | 19.9 | 2.83 |
| 80.0             | 67.0 | 30.00                  | 21.1 | 1.79 | 30.00 | 21.1 | 2.10 | 30.00 | 21.1 | 2.45 | 30.00 | 21.1 | 2.62 | 30.00 | 21.1 | 2.86 | 28.78 | 20.2 | 3.10 |
| 86.0             | 72.0 | 34.65                  | 21.8 | 2.17 | 33.43 | 21.0 | 2.41 | 32.21 | 20.6 | 2.65 | 31.66 | 20.3 | 2.75 | 30.99 | 20.2 | 2.89 | 29.77 | 19.4 | 3.13 |
| 90.0             | 75.0 | 35.24                  | 21.1 | 2.18 | 34.02 | 20.4 | 2.42 | 32.80 | 19.7 | 2.66 | 32.25 | 19.4 | 2.77 | 31.58 | 18.9 | 2.91 | 30.36 | 18.3 | 3.16 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 24.41                  | 2.94 | 26.89 | 3.12 | 30.72 | 3.35 | 34.22 | 3.51 | 36.45 | 3.60 |
| 64               |  | 24.36                  | 3.03 | 26.84 | 3.20 | 30.66 | 3.42 | 34.17 | 3.57 | 36.40 | 3.66 |
| 68               |  | 24.29                  | 3.14 | 26.77 | 3.31 | 30.59 | 3.51 | 34.10 | 3.66 | 35.26 | 3.58 |
| 70               |  | 24.25                  | 3.20 | 26.74 | 3.36 | 30.56 | 3.56 | 34.00 | 3.69 | 34.00 | 3.43 |
| 72               |  | 24.22                  | 3.26 | 26.70 | 3.42 | 30.53 | 3.60 | 32.74 | 3.53 | 32.74 | 3.29 |
| 75               |  | 24.17                  | 3.35 | 26.65 | 3.50 | 30.47 | 3.67 | 30.85 | 3.31 | 30.85 | 3.08 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)

(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FEB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FEB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FHQ36MVJU + RZQ36PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 23.40                  | 18.5 | 1.37 | 23.40 | 18.5 | 1.49 | 23.40 | 18.5 | 1.73 | 23.40 | 18.5 | 1.83 | 23.40 | 18.5 | 1.98 | 23.40 | 18.5 | 2.27 |
| 72.0             | 61.0 | 28.40                  | 21.9 | 1.67 | 28.40 | 21.9 | 1.89 | 28.40 | 21.8 | 2.20 | 28.40 | 21.8 | 2.34 | 28.40 | 21.8 | 2.54 | 28.40 | 21.8 | 2.94 |
| 77.0             | 64.0 | 32.20                  | 23.8 | 1.90 | 32.20 | 23.8 | 2.23 | 32.20 | 23.9 | 2.59 | 32.20 | 23.9 | 2.77 | 32.20 | 23.9 | 3.01 | 32.20 | 23.9 | 3.50 |
| 80.0             | 67.0 | 36.00                  | 25.2 | 2.21 | 36.00 | 25.2 | 2.59 | 36.00 | 25.1 | 3.03 | 36.00 | 25.1 | 3.25 | 36.00 | 25.1 | 3.53 | 34.50 | 24.0 | 3.82 |
| 86.0             | 72.0 | 41.60                  | 26.2 | 2.68 | 40.10 | 25.3 | 2.97 | 38.60 | 24.6 | 3.27 | 38.00 | 24.3 | 3.40 | 37.20 | 23.7 | 3.57 | 35.70 | 23.2 | 3.87 |
| 90.0             | 75.0 | 42.30                  | 25.0 | 2.70 | 40.80 | 24.1 | 2.99 | 39.40 | 23.6 | 3.29 | 38.70 | 23.2 | 3.42 | 37.90 | 22.8 | 3.60 | 36.40 | 21.8 | 3.90 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 28.60                  | 3.18 | 31.90 | 3.38 | 35.20 | 3.54 | 39.20 | 3.70 | 41.80 | 3.79 |
| 64               |  | 28.60                  | 3.26 | 31.80 | 3.45 | 35.10 | 3.61 | 39.10 | 3.76 | 41.70 | 3.84 |
| 68               |  | 28.50                  | 3.38 | 31.80 | 3.56 | 35.10 | 3.70 | 38.90 | 3.82 | 38.90 | 3.55 |
| 70               |  | 28.40                  | 3.43 | 31.70 | 3.61 | 35.00 | 3.74 | 37.50 | 3.66 | 37.50 | 3.40 |
| 72               |  | 28.40                  | 3.49 | 31.70 | 3.65 | 35.00 | 3.80 | 36.10 | 3.51 | 36.10 | 3.27 |
| 75               |  | 28.30                  | 3.57 | 31.60 | 3.73 | 34.00 | 3.72 | 34.00 | 3.29 | 34.00 | 3.06 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating)  
capacity (kW)PI : Power input (kW)  
(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FHQ42MVJU + RZQ42PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 26.30                  | 20.8 | 1.65 | 26.30 | 20.8 | 1.79 | 26.30 | 20.8 | 2.07 | 26.30 | 20.8 | 2.20 | 26.30 | 20.8 | 2.38 | 26.30 | 20.8 | 2.74 |
| 72.0             | 61.0 | 32.00                  | 24.6 | 2.00 | 32.00 | 24.6 | 2.27 | 32.00 | 24.5 | 2.65 | 32.00 | 24.5 | 2.83 | 32.00 | 24.5 | 3.06 | 32.00 | 24.5 | 3.55 |
| 77.0             | 64.0 | 36.20                  | 26.8 | 2.29 | 36.20 | 26.8 | 2.68 | 36.20 | 26.9 | 3.12 | 36.20 | 26.9 | 3.34 | 36.20 | 26.9 | 3.64 | 36.20 | 26.9 | 4.22 |
| 80.0             | 67.0 | 40.50                  | 28.4 | 2.65 | 40.50 | 28.4 | 3.12 | 40.50 | 28.2 | 3.65 | 40.50 | 28.2 | 3.92 | 40.50 | 28.2 | 4.26 | 38.90 | 27.1 | 4.62 |
| 86.0             | 72.0 | 46.80                  | 29.5 | 3.23 | 45.10 | 28.4 | 3.59 | 43.50 | 27.7 | 3.95 | 42.70 | 27.3 | 4.10 | 41.80 | 26.6 | 4.31 | 40.20 | 26.1 | 4.68 |
| 90.0             | 75.0 | 47.60                  | 28.1 | 3.25 | 45.90 | 27.1 | 3.61 | 44.30 | 26.5 | 3.98 | 43.50 | 26.1 | 4.13 | 42.60 | 25.6 | 4.34 | 41.00 | 24.6 | 4.71 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 29.00                  | 3.23 | 32.40 | 3.44 | 35.70 | 3.62 | 39.80 | 3.80 | 42.30 | 3.90 |
| 64               |  | 29.00                  | 3.32 | 32.30 | 3.53 | 35.60 | 3.69 | 39.70 | 3.87 | 42.30 | 3.95 |
| 68               |  | 28.90                  | 3.44 | 32.20 | 3.64 | 35.50 | 3.80 | 39.60 | 3.95 | 41.00 | 3.87 |
| 70               |  | 28.80                  | 3.51 | 32.20 | 3.69 | 35.50 | 3.85 | 39.50 | 3.99 | 39.50 | 3.71 |
| 72               |  | 28.80                  | 3.57 | 32.10 | 3.75 | 35.50 | 3.90 | 38.00 | 3.82 | 38.00 | 3.56 |
| 75               |  | 28.70                  | 3.67 | 32.10 | 3.83 | 35.40 | 3.97 | 35.80 | 3.57 | 35.80 | 3.33 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)

(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## 9.2.3 FAQ

## FAQ18PVJU + RZQ18PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 8.9  | 0.54 | 11.68 | 8.9  | 0.59 | 11.68 | 8.9  | 0.68 | 11.68 | 8.9  | 0.73 | 11.68 | 8.9  | 0.79 | 11.68 | 8.9  | 0.91 |
| 72.0             | 61.0 | 14.21                  | 11.7 | 0.66 | 14.21 | 11.7 | 0.75 | 14.21 | 11.7 | 0.87 | 14.21 | 11.7 | 0.93 | 14.21 | 11.7 | 1.01 | 14.21 | 11.7 | 1.18 |
| 77.0             | 64.0 | 16.10                  | 12.7 | 0.76 | 16.10 | 12.7 | 0.89 | 16.10 | 12.7 | 1.04 | 16.10 | 12.7 | 1.11 | 16.10 | 12.7 | 1.21 | 16.10 | 12.7 | 1.40 |
| 80.0             | 67.0 | 18.00                  | 13.7 | 0.88 | 18.00 | 13.7 | 1.03 | 18.00 | 13.7 | 1.21 | 18.00 | 13.7 | 1.30 | 18.00 | 13.7 | 1.42 | 17.27 | 13.7 | 1.54 |
| 86.0             | 72.0 | 20.79                  | 14.1 | 1.07 | 20.06 | 14.1 | 1.19 | 19.32 | 14.1 | 1.31 | 19.00 | 14.1 | 1.37 | 18.59 | 14.1 | 1.43 | 17.86 | 14.1 | 1.56 |
| 90.0             | 75.0 | 21.14                  | 12.8 | 1.08 | 20.41 | 12.8 | 1.20 | 19.68 | 12.8 | 1.32 | 19.35 | 12.8 | 1.37 | 18.95 | 12.8 | 1.44 | 18.21 | 12.8 | 1.57 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |       | Outdoor Air Temp. °FWB |       |      |       |      |       |      |       |      |    |
|------------------|-------|------------------------|-------|------|-------|------|-------|------|-------|------|----|
|                  |       | 14                     |       | 23   |       | 32   |       | 43   |       | 50   |    |
|                  |       | TC                     | PI    | TC   | PI    | TC   | PI    | TC   | PI    | TC   | PI |
| °FDB             | °FWB  | MBh                    | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW    | MBh  | kW |
| 61               | 23.33 | 3.48                   | 23.33 | 3.06 | 23.33 | 2.57 | 23.33 | 2.25 | 23.33 | 2.08 |    |
| 64               | 22.22 | 3.27                   | 22.22 | 2.87 | 22.22 | 2.42 | 22.22 | 2.12 | 22.22 | 1.96 |    |
| 68               | 20.74 | 2.99                   | 20.74 | 2.63 | 20.74 | 2.22 | 20.74 | 1.95 | 20.74 | 1.81 |    |
| 70               | 20.00 | 2.85                   | 20.00 | 2.51 | 20.00 | 2.13 | 20.00 | 1.87 | 20.00 | 1.74 |    |
| 72               | 19.26 | 2.72                   | 19.26 | 2.40 | 19.26 | 2.04 | 19.26 | 1.79 | 19.26 | 1.66 |    |
| 75               | 18.15 | 2.52                   | 18.15 | 2.23 | 18.15 | 1.90 | 18.15 | 1.67 | 18.15 | 1.56 |    |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating)

capacity (kW)

PI : Power input (kW)

(Comp.+indoor+outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FAQ24PVJU + RZQ24PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 14.3 | 0.88 | 15.57 | 14.3 | 0.96 | 15.57 | 14.3 | 1.12 | 15.57 | 14.3 | 1.19 | 15.57 | 14.3 | 1.29 | 15.57 | 14.3 | 1.49 |
| 72.0             | 61.0 | 18.94                  | 15.3 | 1.08 | 18.94 | 15.3 | 1.23 | 18.94 | 15.3 | 1.44 | 18.94 | 15.3 | 1.54 | 18.94 | 15.3 | 1.68 | 18.94 | 15.3 | 1.95 |
| 77.0             | 64.0 | 21.47                  | 16.5 | 1.24 | 21.47 | 16.5 | 1.46 | 21.47 | 16.5 | 1.71 | 21.47 | 16.5 | 1.83 | 21.47 | 16.5 | 2.00 | 21.47 | 16.5 | 2.33 |
| 80.0             | 67.0 | 24.00                  | 18.0 | 1.44 | 24.00 | 18.0 | 1.71 | 24.00 | 18.0 | 2.01 | 24.00 | 18.0 | 2.16 | 24.00 | 18.0 | 2.35 | 23.02 | 18.0 | 2.56 |
| 86.0             | 72.0 | 27.72                  | 18.8 | 1.77 | 26.74 | 18.4 | 1.97 | 25.76 | 18.0 | 2.18 | 25.33 | 17.8 | 2.27 | 24.79 | 17.6 | 2.38 | 23.81 | 17.2 | 2.59 |
| 90.0             | 75.0 | 28.19                  | 17.5 | 1.78 | 27.21 | 17.0 | 1.98 | 26.24 | 16.6 | 2.19 | 25.80 | 16.4 | 2.28 | 25.26 | 16.2 | 2.40 | 24.29 | 15.7 | 2.61 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 25.08                  | 4.19 | 27.66 | 4.36 | 31.50 | 4.54 | 31.50 | 3.96 | 31.50 | 3.67 |
| 64               |  | 25.04                  | 4.27 | 27.62 | 4.44 | 30.00 | 4.27 | 30.00 | 3.74 | 30.00 | 3.46 |
| 68               |  | 24.99                  | 4.38 | 27.57 | 4.53 | 28.00 | 3.93 | 28.00 | 3.44 | 28.00 | 3.19 |
| 70               |  | 24.96                  | 4.44 | 27.00 | 4.44 | 27.00 | 3.76 | 27.00 | 3.30 | 27.00 | 3.06 |
| 72               |  | 24.93                  | 4.49 | 26.00 | 4.24 | 26.00 | 3.59 | 26.00 | 3.15 | 26.00 | 2.93 |
| 75               |  | 24.50                  | 4.46 | 24.50 | 3.94 | 24.50 | 3.35 | 24.50 | 2.95 | 24.50 | 2.74 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)

(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FEB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FEB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## 9.2.4 FBQ

## FBQ18PVJU + RZQ18PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 11.68                  | 11.1 | 0.54 | 11.68 | 11.1 | 0.58 | 11.68 | 11.1 | 0.66 | 11.68 | 11.1 | 0.70 | 11.68 | 11.1 | 0.75 | 11.68 | 11.1 | 0.85 |
| 72.0             | 61.0 | 14.21                  | 12.9 | 0.52 | 14.21 | 12.9 | 0.72 | 14.21 | 12.9 | 0.82 | 14.21 | 12.9 | 0.87 | 14.21 | 12.9 | 0.94 | 14.21 | 12.9 | 1.07 |
| 77.0             | 64.0 | 16.10                  | 14.0 | 0.60 | 16.10 | 14.0 | 0.83 | 16.10 | 14.0 | 0.96 | 16.10 | 14.0 | 1.02 | 16.10 | 14.0 | 1.10 | 16.10 | 14.0 | 1.27 |
| 80.0             | 67.0 | 18.00                  | 14.8 | 0.70 | 18.00 | 14.8 | 0.95 | 18.00 | 14.8 | 1.10 | 18.00 | 14.8 | 1.18 | 18.00 | 14.8 | 1.28 | 17.27 | 14.3 | 1.38 |
| 86.0             | 72.0 | 20.79                  | 14.9 | 0.86 | 20.06 | 14.5 | 1.09 | 19.32 | 14.1 | 1.19 | 19.00 | 14.0 | 1.23 | 18.59 | 13.7 | 1.29 | 17.86 | 13.3 | 1.39 |
| 90.0             | 75.0 | 21.14                  | 12.9 | 0.87 | 20.41 | 12.4 | 1.09 | 19.68 | 12.0 | 1.20 | 19.35 | 11.8 | 1.24 | 18.95 | 11.5 | 1.30 | 18.21 | 11.1 | 1.40 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 23.33                  | 2.78 | 23.33 | 2.46 | 23.33 | 2.08 | 23.33 | 1.83 | 23.33 | 1.70 |
| 64               |  | 22.22                  | 2.62 | 22.22 | 2.31 | 22.22 | 1.97 | 22.22 | 1.73 | 22.22 | 1.61 |
| 68               |  | 20.74                  | 2.40 | 20.74 | 2.13 | 20.74 | 1.81 | 20.74 | 1.60 | 20.74 | 1.50 |
| 70               |  | 20.00                  | 2.30 | 20.00 | 2.04 | 20.00 | 1.74 | 20.00 | 1.54 | 20.00 | 1.44 |
| 72               |  | 19.26                  | 2.19 | 19.26 | 1.95 | 19.26 | 1.67 | 19.26 | 1.48 | 19.26 | 1.38 |
| 75               |  | 18.15                  | 2.04 | 18.15 | 1.82 | 18.15 | 1.56 | 18.15 | 1.39 | 18.15 | 1.30 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)  
(Comp.+indoor+outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                 | Heating                  | Equivalent Piping Length    | Hz, Volts  |
|-------------------------|--------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB | Indoor : 70°FDB          | 25ft (Level Difference : 0) | 60Hz, 230V |
| Outdoor : 95°FDB        | Outdoor : 47°FDB, 43°FWB |                             |            |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FBQ24PVJU + RZQ24PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 15.57                  | 13.8 | 0.81 | 15.57 | 13.8 | 0.88 | 15.57 | 13.8 | 1.00 | 15.57 | 13.8 | 1.06 | 15.57 | 13.8 | 1.14 | 15.57 | 13.8 | 1.31 |
| 72.0             | 61.0 | 18.94                  | 16.2 | 0.97 | 18.94 | 16.2 | 1.09 | 18.94 | 16.2 | 1.26 | 18.94 | 16.2 | 1.34 | 18.94 | 16.2 | 1.45 | 18.94 | 16.2 | 1.67 |
| 77.0             | 64.0 | 21.47                  | 17.6 | 1.10 | 21.47 | 17.6 | 1.28 | 21.47 | 17.6 | 1.48 | 21.47 | 17.6 | 1.58 | 21.47 | 17.6 | 1.71 | 21.47 | 17.6 | 1.98 |
| 80.0             | 67.0 | 24.00                  | 18.7 | 1.27 | 24.00 | 18.7 | 1.48 | 24.00 | 18.7 | 1.72 | 24.00 | 18.7 | 1.84 | 24.00 | 18.7 | 2.00 | 23.02 | 18.1 | 2.16 |
| 86.0             | 72.0 | 27.72                  | 19.2 | 1.53 | 26.74 | 18.7 | 1.69 | 25.76 | 18.2 | 1.86 | 25.33 | 18.0 | 1.93 | 24.79 | 17.7 | 2.02 | 23.81 | 17.2 | 2.19 |
| 90.0             | 75.0 | 28.19                  | 20.8 | 1.54 | 27.21 | 20.5 | 1.70 | 26.24 | 20.1 | 1.87 | 25.80 | 20.0 | 1.94 | 25.26 | 19.8 | 2.04 | 24.29 | 19.3 | 2.21 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 24.18                  | 2.75 | 26.67 | 2.87 | 30.49 | 3.01 | 31.50 | 2.78 | 31.50 | 2.58 |
| 64               |  | 24.14                  | 2.81 | 26.63 | 2.92 | 30.00 | 2.98 | 30.00 | 2.62 | 30.00 | 2.44 |
| 68               |  | 24.09                  | 2.88 | 26.57 | 2.98 | 28.00 | 2.75 | 28.00 | 2.42 | 28.00 | 2.26 |
| 70               |  | 24.06                  | 2.92 | 26.55 | 3.02 | 27.00 | 2.64 | 27.00 | 2.33 | 27.00 | 2.17 |
| 72               |  | 24.03                  | 2.95 | 26.00 | 2.96 | 26.00 | 2.52 | 26.00 | 2.23 | 26.00 | 2.08 |
| 75               |  | 23.99                  | 3.01 | 24.50 | 2.76 | 24.50 | 2.36 | 24.50 | 2.09 | 24.50 | 1.95 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)  
(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Heating                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FEB<br>Outdoor : 95°FDB | Indoor : 70°FDB<br>Outdoor : 47°FDB, 43°FEB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FBQ30PVJU + RZQ30PVJU

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 19.47                  | 17.1 | 1.12 | 19.47 | 17.1 | 1.21 | 19.47 | 17.1 | 1.40 | 19.47 | 17.1 | 1.49 | 19.47 | 17.1 | 1.61 | 19.47 | 17.1 | 1.84 |
| 72.0             | 61.0 | 23.68                  | 20.0 | 1.36 | 23.68 | 20.0 | 1.54 | 23.68 | 20.0 | 1.78 | 23.68 | 20.0 | 1.90 | 23.68 | 20.0 | 2.06 | 23.68 | 20.0 | 2.38 |
| 77.0             | 64.0 | 26.84                  | 21.9 | 1.55 | 26.84 | 21.9 | 1.80 | 26.84 | 21.9 | 2.10 | 26.84 | 21.9 | 2.25 | 26.84 | 21.9 | 2.44 | 26.84 | 21.9 | 2.83 |
| 80.0             | 67.0 | 30.00                  | 23.4 | 1.79 | 30.00 | 23.4 | 2.10 | 30.00 | 23.4 | 2.45 | 30.00 | 23.4 | 2.62 | 30.00 | 23.4 | 2.86 | 28.78 | 22.6 | 3.10 |
| 86.0             | 72.0 | 34.65                  | 24.0 | 2.17 | 33.43 | 23.4 | 2.41 | 32.21 | 22.7 | 2.65 | 31.66 | 22.4 | 2.75 | 30.99 | 22.1 | 2.89 | 29.77 | 21.4 | 3.13 |
| 90.0             | 75.0 | 35.24                  | 23.5 | 2.18 | 34.02 | 23.0 | 2.42 | 32.80 | 22.4 | 2.66 | 32.25 | 22.2 | 2.77 | 31.58 | 21.9 | 2.91 | 30.36 | 21.2 | 3.16 |

## Heating Capacity [ 230V-60Hz ]

| Indoor air temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 24.41                  | 2.40 | 26.89 | 2.55 | 30.72 | 2.74 | 34.22 | 2.87 | 36.45 | 2.95 |
| 64               |  | 24.36                  | 2.48 | 26.84 | 2.62 | 30.66 | 2.80 | 34.17 | 2.92 | 36.40 | 2.99 |
| 68               |  | 24.29                  | 2.57 | 26.77 | 2.71 | 30.59 | 2.87 | 34.10 | 2.99 | 35.26 | 2.93 |
| 70               |  | 24.25                  | 2.62 | 26.74 | 2.75 | 30.56 | 2.91 | 34.00 | 3.02 | 34.00 | 2.81 |
| 72               |  | 24.22                  | 2.67 | 26.70 | 2.80 | 30.53 | 2.95 | 32.74 | 2.89 | 32.74 | 2.69 |
| 75               |  | 24.17                  | 2.74 | 26.65 | 2.86 | 30.47 | 3.01 | 30.85 | 2.71 | 30.85 | 2.52 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)  
(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Heating                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | Indoor : 70°FDB<br>Outdoor : 47°FDB, 43°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

## FBQ36PVJU + RZQ36PVJU9

## Cooling Capacity [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 23.40                  | 19.7 | 1.25 | 23.40 | 19.7 | 1.36 | 23.40 | 19.7 | 1.57 | 23.40 | 19.7 | 1.67 | 23.40 | 19.7 | 1.80 | 23.40 | 19.7 | 2.07 |
| 72.0             | 61.0 | 28.40                  | 23.1 | 1.52 | 28.40 | 23.1 | 1.72 | 28.40 | 23.1 | 2.00 | 28.40 | 23.1 | 2.13 | 28.40 | 23.1 | 2.31 | 28.40 | 23.1 | 2.68 |
| 77.0             | 64.0 | 32.20                  | 25.4 | 1.73 | 32.20 | 25.4 | 2.03 | 32.20 | 25.4 | 2.36 | 32.20 | 25.4 | 2.53 | 32.20 | 25.4 | 2.74 | 32.20 | 25.4 | 3.19 |
| 80.0             | 67.0 | 36.00                  | 27.2 | 2.01 | 36.00 | 27.2 | 2.36 | 36.00 | 27.2 | 2.76 | 36.00 | 27.2 | 2.96 | 36.00 | 27.2 | 3.21 | 34.50 | 26.4 | 3.48 |
| 86.0             | 72.0 | 41.60                  | 28.2 | 2.44 | 40.10 | 27.5 | 2.71 | 38.60 | 26.7 | 2.98 | 38.00 | 26.4 | 3.10 | 37.20 | 26.0 | 3.25 | 35.70 | 25.2 | 3.53 |
| 90.0             | 75.0 | 42.30                  | 27.2 | 2.46 | 40.80 | 26.4 | 2.72 | 39.40 | 25.7 | 3.00 | 38.70 | 25.3 | 3.12 | 37.90 | 24.9 | 3.28 | 36.40 | 24.1 | 3.55 |

## Heating Capacity [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 30.51                  | 2.91 | 34.03 | 3.09 | 37.55 | 3.23 | 41.81 | 3.38 | 44.59 | 3.46 |
| 64               |  | 30.51                  | 2.98 | 33.92 | 3.15 | 37.44 | 3.30 | 41.71 | 3.44 | 44.48 | 3.51 |
| 68               |  | 30.40                  | 3.09 | 33.92 | 3.25 | 37.44 | 3.38 | 41.49 | 3.50 | 41.49 | 3.24 |
| 70               |  | 30.29                  | 3.14 | 33.81 | 3.30 | 37.33 | 3.42 | 40.00 | 3.35 | 40.00 | 3.11 |
| 72               |  | 30.29                  | 3.19 | 33.81 | 3.34 | 37.33 | 3.47 | 38.51 | 3.21 | 38.51 | 2.99 |
| 75               |  | 30.19                  | 3.27 | 33.71 | 3.41 | 36.27 | 3.40 | 36.27 | 3.01 | 36.27 | 2.80 |

## Symbols:

EWB: Entering wet bulb temp, (°FWB)

EDB: Entering dry bulb temp, (°FDB)

TC : Total cooling (heating) capacity (kW)

PI : Power input (kW)

(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

| Cooling                                     | Heating                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | Indoor : 70°FDB<br>Outdoor : 47°FDB, 43°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

**FBQ42PVJU + RZQ42PVJU9****Cooling Capacity** [ 230V-60Hz ]

| Indoor Air Temp. |      | Outdoor Air Temp. °FDB |      |      |       |      |      |       |      |      |       |      |      |       |      |      |       |      |      |
|------------------|------|------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
|                  |      | 68                     |      |      | 77    |      |      | 86    |      |      | 90    |      |      | 95    |      |      | 104   |      |      |
|                  |      | TC                     | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   | TC    | SHC  | PI   |
| °FDB             | °FWB | kBTUH                  | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   | kBTUH | MBh  | kW   |
| 68.0             | 57.0 | 27.27                  | 23.1 | 1.59 | 27.27 | 23.1 | 1.73 | 27.27 | 23.1 | 2.00 | 27.27 | 23.1 | 2.13 | 27.27 | 23.1 | 2.30 | 27.27 | 23.1 | 2.64 |
| 72.0             | 61.0 | 33.19                  | 27.1 | 1.93 | 33.19 | 27.1 | 2.19 | 33.19 | 27.1 | 2.56 | 33.19 | 27.1 | 2.73 | 33.19 | 27.1 | 2.96 | 33.19 | 27.1 | 3.43 |
| 77.0             | 64.0 | 37.54                  | 29.6 | 2.21 | 37.54 | 29.6 | 2.59 | 37.54 | 29.6 | 3.02 | 37.54 | 29.6 | 3.23 | 37.54 | 29.6 | 3.51 | 37.54 | 29.6 | 4.08 |
| 80.0             | 67.0 | 42.00                  | 31.6 | 2.56 | 42.00 | 31.6 | 3.02 | 42.00 | 31.6 | 3.52 | 42.00 | 31.6 | 3.78 | 42.00 | 31.6 | 4.12 | 40.34 | 30.8 | 4.46 |
| 86.0             | 72.0 | 48.53                  | 32.6 | 3.12 | 46.77 | 31.8 | 3.47 | 45.11 | 31.1 | 3.81 | 44.28 | 30.7 | 3.96 | 43.35 | 30.3 | 4.17 | 41.69 | 29.4 | 4.52 |
| 90.0             | 75.0 | 49.36                  | 31.5 | 3.14 | 47.60 | 30.6 | 3.49 | 45.94 | 29.8 | 3.84 | 45.11 | 29.4 | 3.99 | 44.18 | 29.0 | 4.19 | 42.52 | 28.1 | 4.55 |

**Heating Capacity** [ 230V-60Hz ]

| Indoor Air Temp. |  | Outdoor Air Temp. °FWB |      |       |      |       |      |       |      |       |      |
|------------------|--|------------------------|------|-------|------|-------|------|-------|------|-------|------|
|                  |  | 14                     |      | 23    |      | 32    |      | 43    |      | 50    |      |
|                  |  | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| °FDB             |  | MBh                    | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   | MBh   | kW   |
| 61               |  | 34.51                  | 3.28 | 38.55 | 3.49 | 42.48 | 3.67 | 47.36 | 3.85 | 50.33 | 3.96 |
| 64               |  | 34.51                  | 3.37 | 38.43 | 3.58 | 42.36 | 3.75 | 47.24 | 3.93 | 50.33 | 4.01 |
| 68               |  | 34.39                  | 3.49 | 38.31 | 3.69 | 42.24 | 3.85 | 47.12 | 4.01 | 48.78 | 3.93 |
| 70               |  | 34.27                  | 3.56 | 38.31 | 3.75 | 42.24 | 3.91 | 47.00 | 4.05 | 47.00 | 3.77 |
| 72               |  | 34.27                  | 3.63 | 38.19 | 3.81 | 42.24 | 3.96 | 45.22 | 3.88 | 45.22 | 3.62 |
| 75               |  | 34.15                  | 3.72 | 38.19 | 3.89 | 42.12 | 4.03 | 42.60 | 3.63 | 42.60 | 3.38 |

## Symbols:

EWB: Entering wet bulb temp. (°FWB)

EDB: Entering dry bulb temp. (°FDB)

TC : Total cooling (heating)

capacity (kW)

PI : Power input (kW)

(Comp. + indoor + outdoor fan motor).

## Notes:

1. The above data are based on the following conditions.

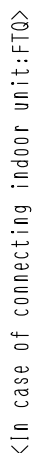
| Cooling                                     | Heating                                     | Equivalent Piping Length    | Hz, Volts  |
|---------------------------------------------|---------------------------------------------|-----------------------------|------------|
| Indoor : 80°FDB, 67°FWB<br>Outdoor : 95°FDB | Indoor : 70°FDB<br>Outdoor : 47°FDB, 43°FWB | 25ft (Level Difference : 0) | 60Hz, 230V |

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

3.   shows nominal MAX capacities

**RZR18PVJU / RZR24PVJU / RZR30PVJU**  
**RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU**

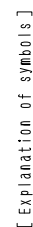
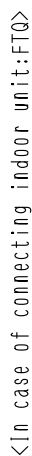
## &lt;In case of connecting indoor unit:FAQ, ECQ, FHQ&gt;



1. Heating is only available for R20-P models.
2. These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
3. With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating is carried out.
4. Method of calculating cooling / heating capacity (max. capacity for combination with standard indoor unit)

$$\text{cooling / heating capacity} = \text{cooling / heating capacity obtained from performance characteristics table} \times \text{each capacity rate of change}$$

## &lt;In case of connecting indoor unit:FAQ, FCQ, FHQ&gt;



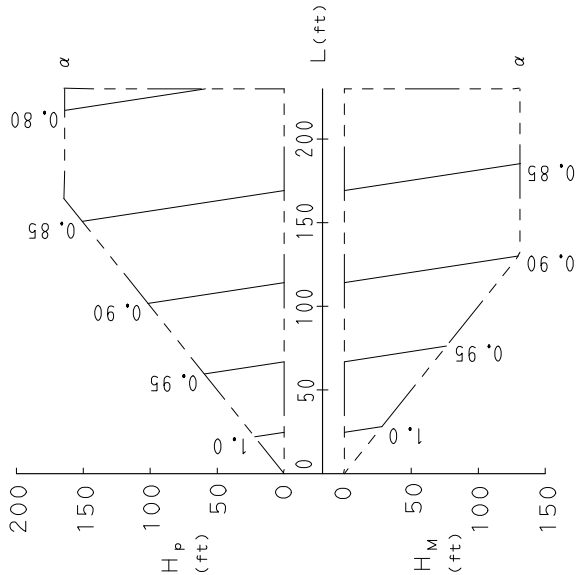
$H_p$  : Level difference (between indoor and outdoor units  
 where indoor unit in inferior position  
 $H_M$  : Level difference (between indoor and outdoor units  
 where indoor unit in superior position  
 $L$  : Equivalent pipe length (ft)  
 $\alpha$  : Capacity correction factor  
 [Diameter of pipes]

| Model             | gas         | liquid      |
|-------------------|-------------|-------------|
| RZQ18, 24, 30PVJU | $\phi 5/8"$ | $\phi 3/8"$ |
| RZR18, 24, 30PVJU |             |             |

3D064228B

RZR36PVJU / RZR42PVJU

1. Rate of change in cooling capacity



[ Explanation of symbols ]  
 $H_P$  : Level difference(ft)between indoor and outdoor units  
where indoor unit in inferior position  
 $H_M$  : Level difference(ft)between indoor and outdoor units  
where indoor unit in superior position  
 $L$  : Equivalent pipe length(ft)  
 $\alpha$  : Capacity correction factor  
[ Diameter of pipes ]

| Model         | gas         | liquid      |
|---------------|-------------|-------------|
| RZR36, 42PVJU | $\phi$ 5/8" | $\phi$ 3/8" |

[ Notes ]

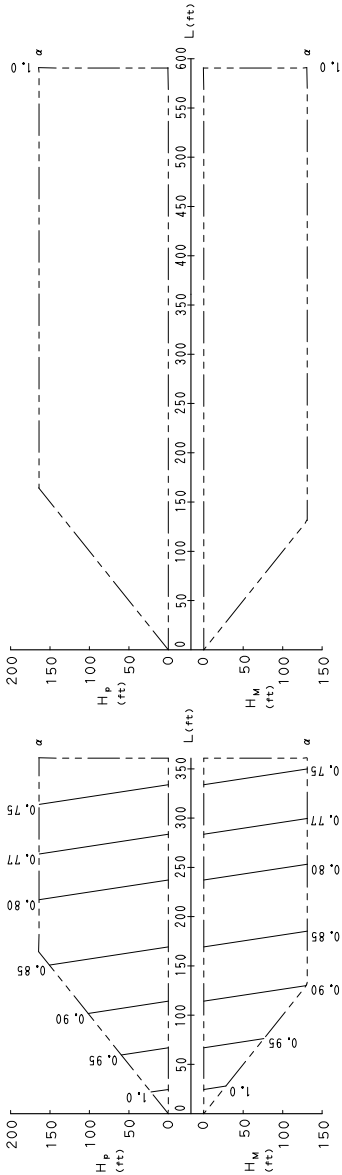
1. The figure illustrates the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard condition.  
Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figure.
2. With this outdoor unit, evaporating pressure constant control when cooling is carried out,
3. Method of calculating cooling capacity (max, capacity for combination with standard indoor unit)  
cooling capacity = cooling capacity table X each capacity rate of change

3D071685

RZQ36PVJU9 / RZQ42PVJU9

1. Rate of change in cooling capacity

2. Rate of change in heating capacity



[ Explanation of symbols ]  
H<sub>p</sub> : Level difference(ft)between indoor and outdoor units  
Where indoor unit in inferior position  
H<sub>w</sub> : Level difference(ft)between indoor and outdoor units  
Where indoor unit in superior position  
L : Equivalent pipe length(ft)  
α : Capacity correction factor

[ Diameter of pipes ]

| Model          | gas    | liquid |
|----------------|--------|--------|
| RZQ36, 42PVJU9 | φ 5/8" | φ 3/8" |

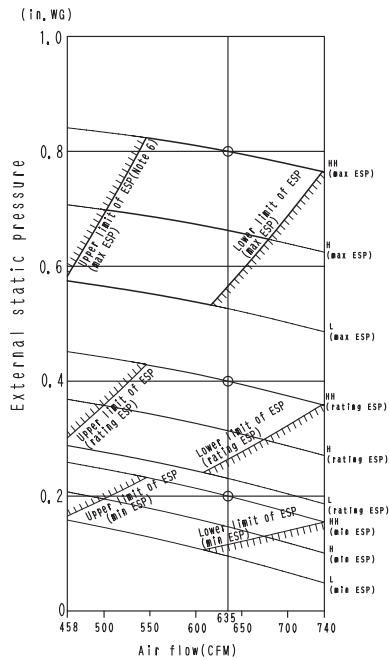
- [ Notes ]
- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
  - With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
  - Method of calculating cooling / heating capacity (max. capacity for combination with standard indoor unit)

cooling / heating capacity = cooling / heating capacity obtained from performance characteristics table × each capacity rate of change

# 10. Fan Performances

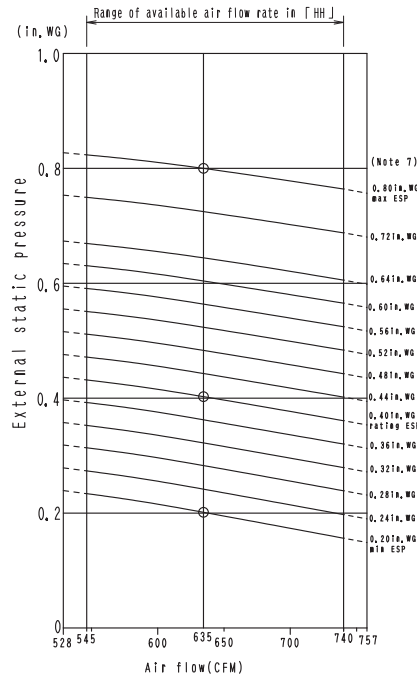
## FBQ18PVJU

Fan Characteristics (Graph 1)



Fan Characteristics (Graph 2)

(For local setting of remote controller)



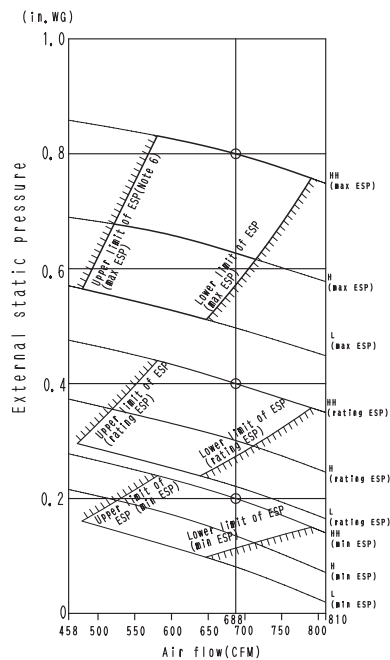
## Notes:

1. The external static pressure (ESP) can be changed in 14 levels by the remote controller.
2. Fan Characteristics (Graph 1) show a fan characteristic at the time of **maximum ESP, rating ESP, or minimum ESP**.
3. Fan Characteristics (Graph 2) for field setting of remote controller show a Fan Characteristic of each ESP field setting's possible airflow.
4. Choose ESP setting by using Fan Characteristics (Graph 1) and Fan Characteristics (Graph 2) by the resistance of a connected duct.
5. The remote controller can be used to change **HH, H, and L**.
6. ESP: external static pressure.
7. The value in Graph 2 shows ESP in rating airflow.
8. Set the external static pressure of the suction duct at 0.6" Wg or less.

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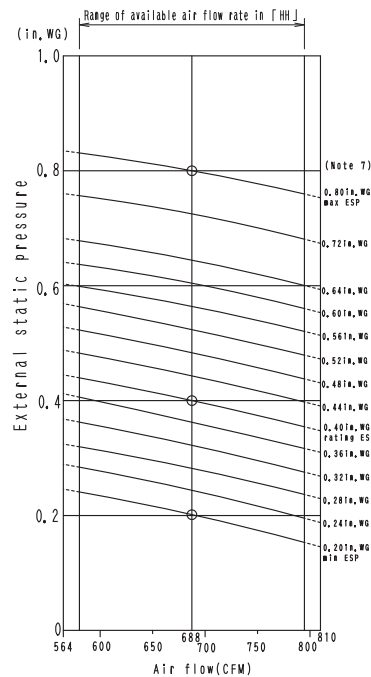
## FBQ24PVJU

Fan Characteristics (Graph 1)



Fan Characteristics (Graph 2)

(For local setting of remote controller)

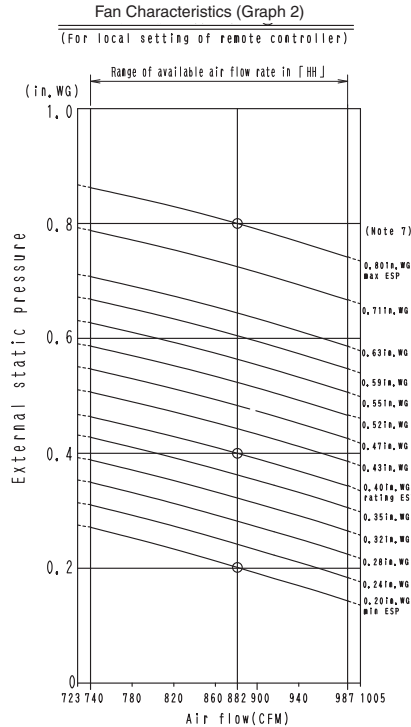
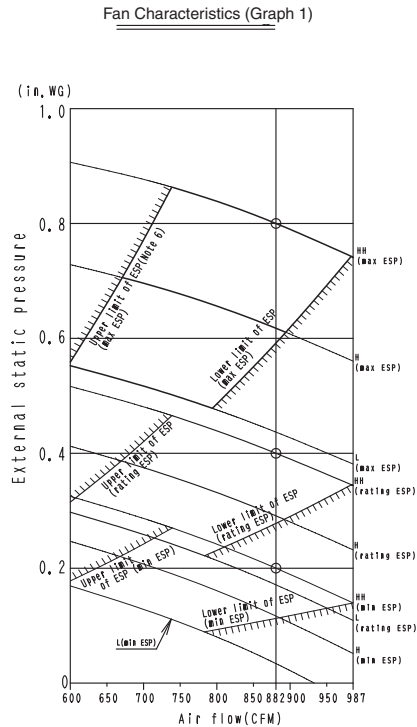


## Notes:

1. The external static pressure (ESP) can be changed in 14 levels by the remote controller.
2. Fan Characteristics (Graph 1) show a fan characteristic at the time of **maximum ESP, rating ESP, or minimum ESP**.
3. Fan Characteristics (Graph 2) for field setting of remote controller show a Fan Characteristic of each ESP field setting's possible airflow.
4. Choose ESP setting by using Fan Characteristics (Graph 1) and Fan Characteristics (Graph 2) by the resistance of a connected duct.
5. The remote controller can be used to change **HH, H, and L**.
6. ESP: external static pressure.
7. The value in Graph 2 shows ESP in rating airflow.
8. Set the external static pressure of the suction duct at 0.6" Wg or less.

3D066121C

## FBQ30PVJU

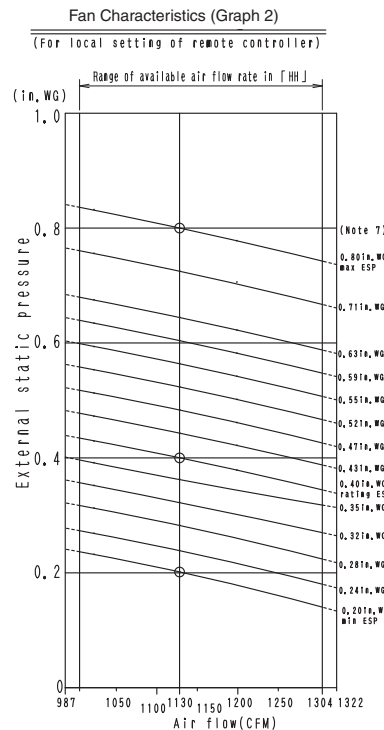
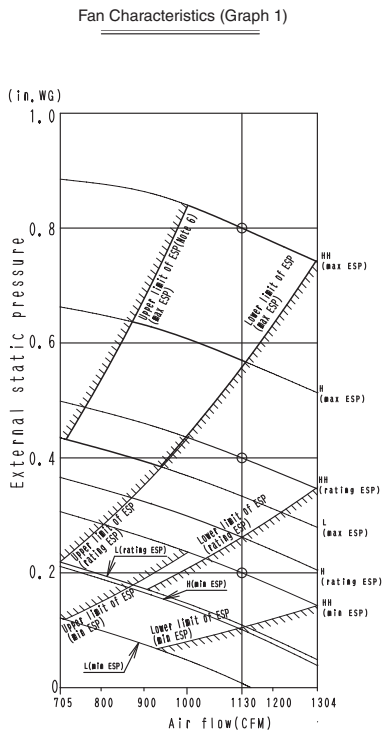


## Notes:

1. The external static pressure (ESP) can be changed in 14 levels by the remote controller.
2. Fan Characteristics (Graph 1) show a fan characteristic at the time of **maximum ESP**, **rating ESP**, or **minimum ESP**.
3. Fan Characteristics (Graph 2) for field setting of remote controller show a Fan Characteristic of each ESP field setting's possible airflow.
4. Choose ESP setting by using Fan Characteristics (Graph 1) and Fan Characteristics (Graph 2) by the resistance of a connected duct.
5. The remote controller can be used to change HH, H, and L.
6. ESP: external static pressure.
7. The value in Graph 2 shows ESP in rating airflow.
8. Set the external static pressure of the suction duct at 0.6" Wg or less.

3D066122C

## FBQ36PVJU



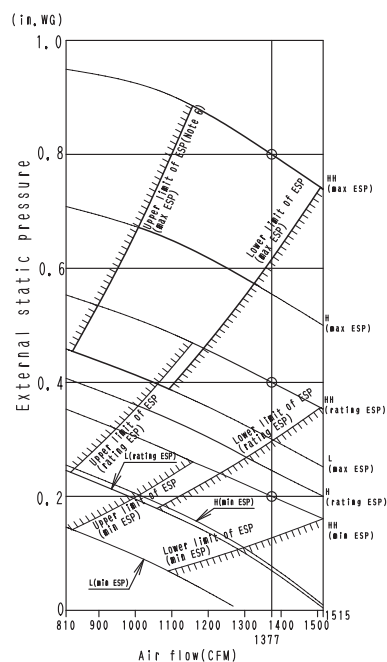
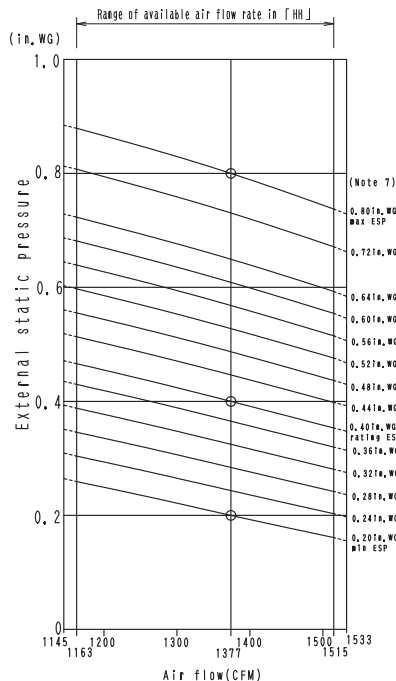
## Notes:

1. The external static pressure (ESP) can be changed in 14 levels by the remote controller.
2. Fan Characteristics (Graph 1) show a fan characteristic at the time of **maximum ESP**, **rating ESP**, or **minimum ESP**.
3. Fan Characteristics (Graph 2) for field setting of remote controller show a Fan Characteristic of each ESP field setting's possible airflow.
4. Choose ESP setting by using Fan Characteristics (Graph 1) and Fan Characteristics (Graph 2) by the resistance of a connected duct.
5. The remote controller can be used to change HH, H, and L.
6. ESP: external static pressure.
7. The value in Graph 2 shows ESP in rating airflow.
8. Set the external static pressure of the suction duct at 0.6" Wg or less.

3D066123C

## FBQ42PVJU

Fan Characteristics (Graph 1)

Fan Characteristics (Graph 2)  
(For local setting of remote controller)

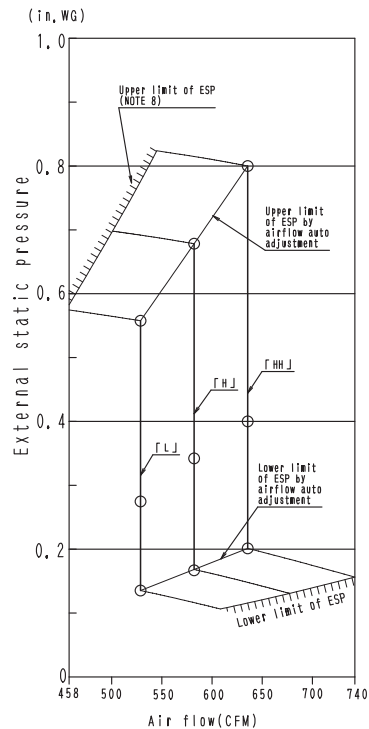
## Notes:

1. The external static pressure (ESP) can be changed in 14 levels by the remote controller.
2. Fan Characteristics (Graph 1) show a fan characteristic at the time of **maximum ESP**, **rating ESP**, or **minimum ESP**.
3. Fan Characteristics (Graph 2) for field setting of remote controller show a Fan Characteristic of each ESP field setting's possible airflow.
4. Choose ESP setting by using Fan Characteristics (Graph 1) and Fan Characteristics (Graph 2) by the resistance of a connected duct.
5. The remote controller can be used to change HH, H, and L.
6. ESP: external static pressure.
7. The value in Graph 2 shows ESP in rating airflow.
8. Set the external static pressure of the suction duct at 0.6" Wg or less.

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# 11. Airflow Auto Adjustment Characteristics

## FBQ18PVJU

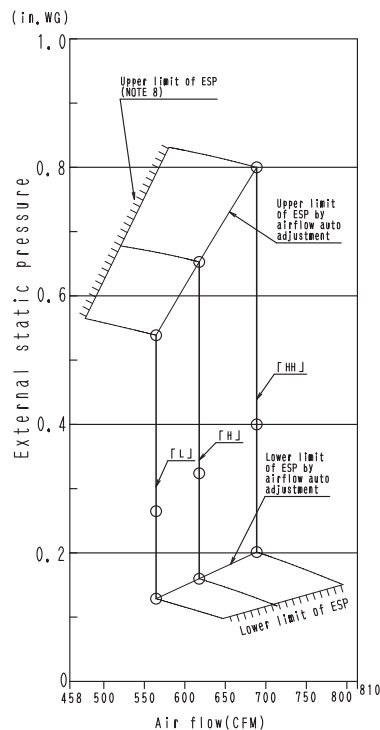


### Notes:

1. The auto airflow adjustment function can be used to offset a reduction in airflow. This function must be performed during installation and commissioning and will adjust the airflow to within  $\pm 10\%$  of the rated value.
2. After completing the installation of the indoor unit ductwork, use the remote controller to set the airflow auto-adjustment.
3. For instructions on how to set the Airflow Auto-Adjustment, refer to the Installation Manual attached to the indoor unit.
4. External static pressure of 0.2 to 0.8" Wg can be adjusted by the Airflow Auto-Adjustment function if airflow is **HH**.
5. If the Auto-Adjustment function is not utilized, the airflow rate will be in accordance with the fan characteristics shown above.
6. This figure shows a fan's characteristics at the time of **HH** and **H** and **L**.
7. The remote controller can be used to change **HH**, **H**, and **L**.
8. **ESP**: external static pressure.
9. Set the external static pressure of the suction duct at 0.6" Wg or less.

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## FBQ24PVJU

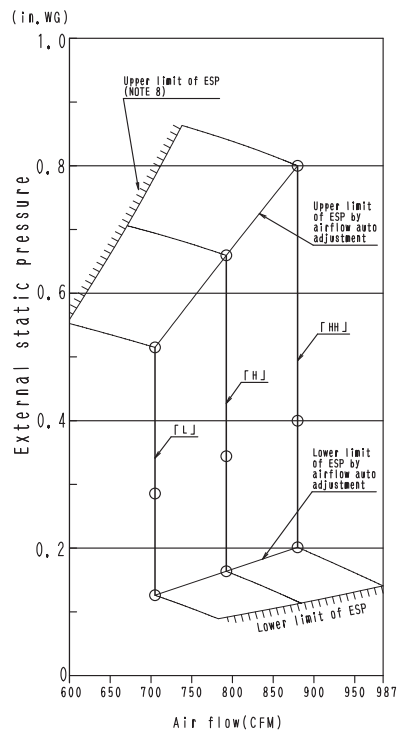


### Notes:

1. The auto airflow adjustment function can be used to offset a reduction in airflow. This function must be performed during installation and commissioning and will adjust the airflow to within  $\pm 10\%$  of the rated value.
2. After completing the installation of the indoor unit ductwork, use the remote controller to set the airflow auto-adjustment.
3. For instructions on how to set the Airflow Auto-Adjustment, refer to the Installation Manual attached to the indoor unit.
4. External static pressure of 0.2 to 0.8" Wg can be adjusted by the Airflow Auto-Adjustment function if airflow is **HH**.
5. If the Auto-Adjustment function is not utilized, the airflow rate will be in accordance with the fan characteristics shown above.
6. This figure shows a fan's characteristics at the time of **HH** and **H** and **L**.
7. The remote controller can be used to change **HH**, **H**, and **L**.
8. **ESP**: external static pressure.
9. Set the external static pressure of the suction duct at 0.6" Wg or less.

3D066131B

## FBQ30PVJU

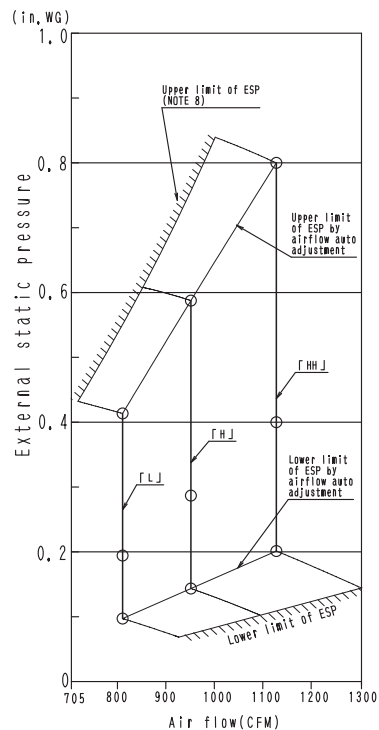


## Notes:

1. The auto airflow adjustment function can be used to offset a reduction in airflow. This function must be performed during installation and commissioning and will adjust the airflow to within  $\pm 10\%$  of the rated value.
2. After completing the installation of the indoor unit ductwork, use the remote controller to set the airflow auto-adjustment.
3. For instructions on how to set the Airflow Auto-Adjustment, refer to the Installation Manual attached to the indoor unit.
4. External static pressure of 0.2 to 0.8" Wg can be adjusted by the Airflow Auto-Adjustment function if airflow is **HH**.
5. If the Auto-Adjustment function is not utilized, the airflow rate will be in accordance with the fan characteristics shown above.
6. This figure shows a fan's characteristics at the time of **HH** and **H** and **L**.
7. The remote controller can be used to change **HH**, **H**, and **L**.
8. **ESP**: external static pressure.
9. Set the external static pressure of the suction duct at 0.6" Wg or less.

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## FBQ36PVJU

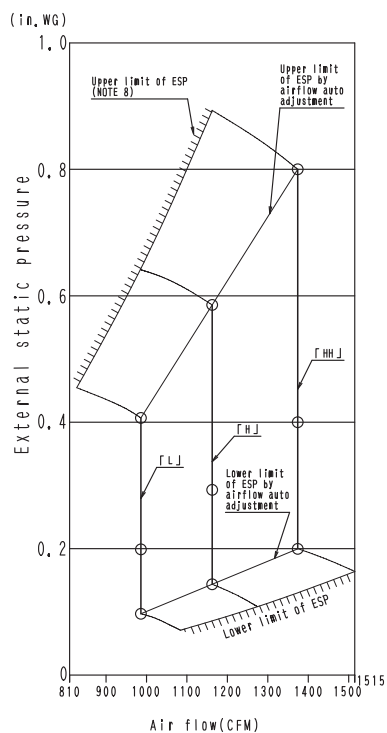


## Notes:

1. The auto airflow adjustment function can be used to offset a reduction in airflow. This function must be performed during installation and commissioning and will adjust the airflow to within  $\pm 10\%$  of the rated value.
2. After completing the installation of the indoor unit ductwork, use the remote controller to set the airflow auto-adjustment.
3. For instructions on how to set the Airflow Auto-Adjustment, refer to the Installation Manual attached to the indoor unit.
4. External static pressure of 0.2 to 0.8" Wg can be adjusted by the Airflow Auto-Adjustment function if airflow is **HH**.
5. If the Auto-Adjustment function is not utilized, the airflow rate will be in accordance with the fan characteristics shown above.
6. This figure shows a fan's characteristics at the time of **HH** and **H** and **L**.
7. The remote controller can be used to change **HH**, **H**, and **L**.
8. **ESP**: external static pressure.
9. Set the external static pressure of the suction duct at 0.6" Wg or less.

3D066133

## FBQ42PVJU



## Notes:

1. The auto airflow adjustment function can be used to offset a reduction in airflow. This function must be performed during installation and commissioning and will adjust the airflow to within  $\pm 10\%$  of the rated value.
2. After completing the installation of the indoor unit ductwork, use the remote controller to set the airflow auto-adjustment.
3. For instructions on how to set the Airflow Auto-Adjustment, refer to the Installation Manual attached to the indoor unit.
4. External static pressure of 0.2 to 0.8" Wg can be adjusted by the Airflow Auto-Adjustment function if airflow is **HH**.
5. If the Auto-Adjustment function is not utilized, the airflow rate will be in accordance with the fan characteristics shown above.
6. This figure shows a fan's characteristics at the time of **HH** and **H** and **L**.
7. The remote controller can be used to change **HH**, **H**, and **L**.
8. **ESP**: external static pressure.
9. Set the external static pressure of the suction duct at 0.6" Wg or less.

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## 12. Sound Levels (Reference)

### 12.1 Indoor unit

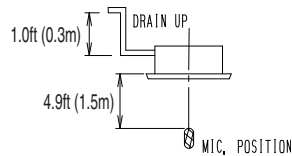
#### 12.1.1 Overall

Location of microphone

FCQ18PAVJU / FCQ24PAVJU

FCQ30PAVJU / FCQ36PAVJU

FCQ42PAVJU



dB(A)

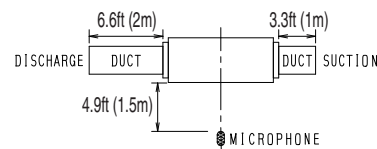
| Model      | 208/230V, 60Hz |    |    |
|------------|----------------|----|----|
|            | HH             | H  | L  |
| FCQ18PAVJU | 32             | 30 | 27 |
| FCQ24PAVJU | 36             | 32 | 28 |
| FCQ30PAVJU | 38             | 35 | 31 |
| FCQ36PAVJU | 44             | 38 | 32 |
| FCQ42PAVJU | 45             | 40 | 34 |
| FBQ18PVJU  | 41             | 39 | 37 |
| FBQ24PVJU  | 42             | 40 | 38 |
| FBQ30PVJU  | 43             | 41 | 39 |
| FBQ36PVJU  | 43             | 41 | 39 |
| FBQ42PVJU  | 44             | 42 | 40 |

Location of microphone

FBQ18PVJU / FBQ24PVJU

FBQ30PVJU / FBQ36PVJU

FBQ42PVJU



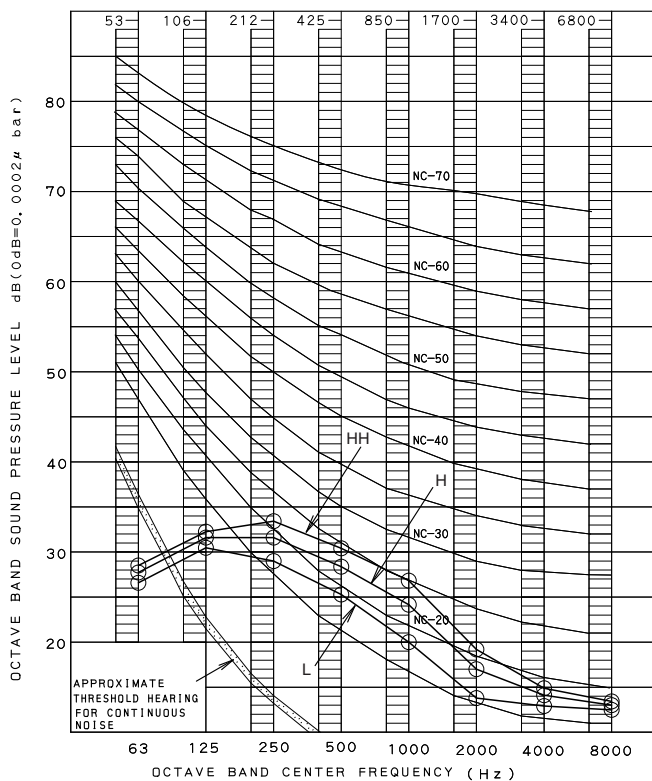
Notes:

1. The operation conditions are assumed to be standard (JIS conditions). Power source 208/230V, 60Hz.
2. The operation values were obtained in an anechoic chamber (conversion values).
3. Sound levels will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of the particular room in which the equipment is installed.

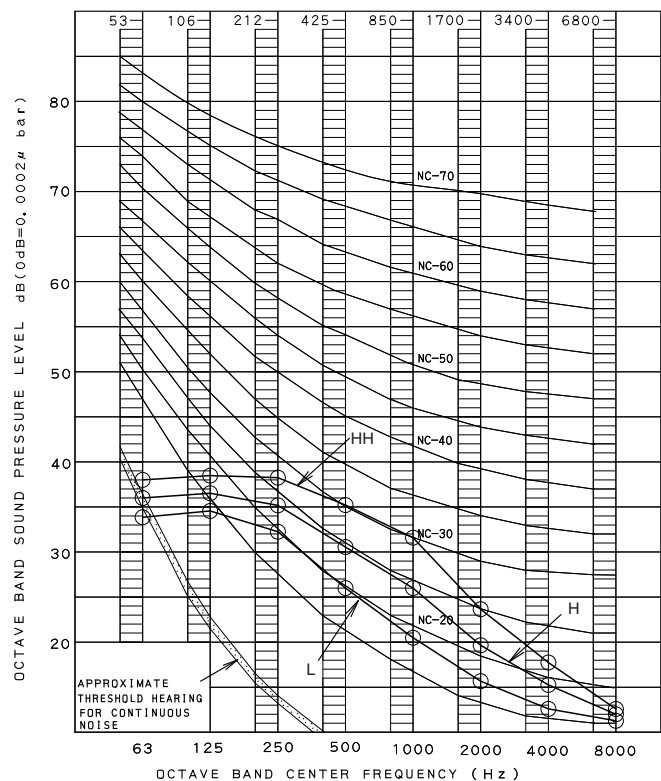
#### 12.1.2 Octave Band Level

○ — ○ 208/230V, 60Hz

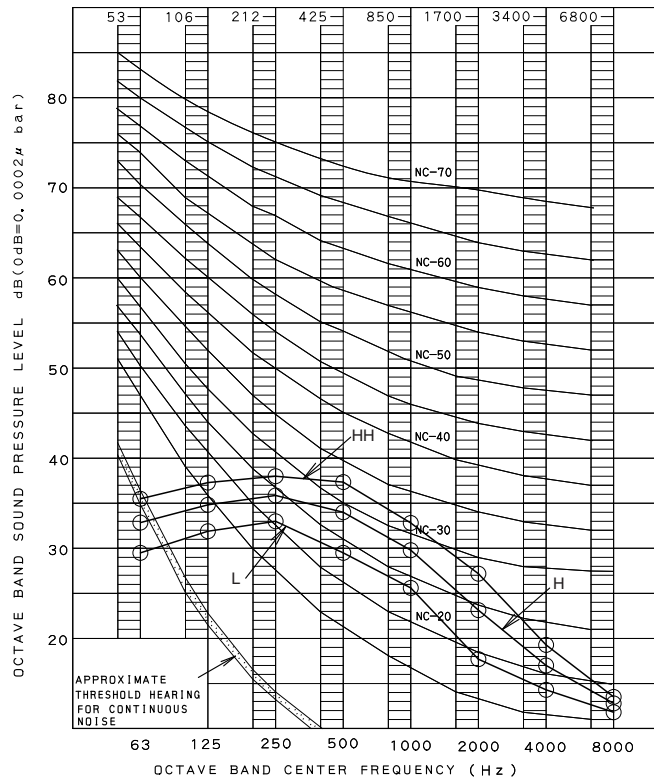
FCQ18PAVJU



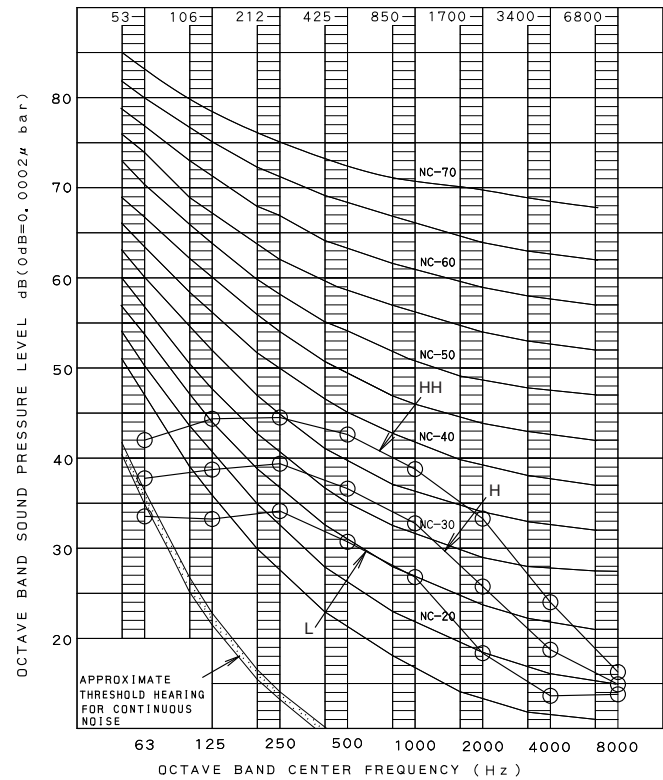
FCQ24PAVJU



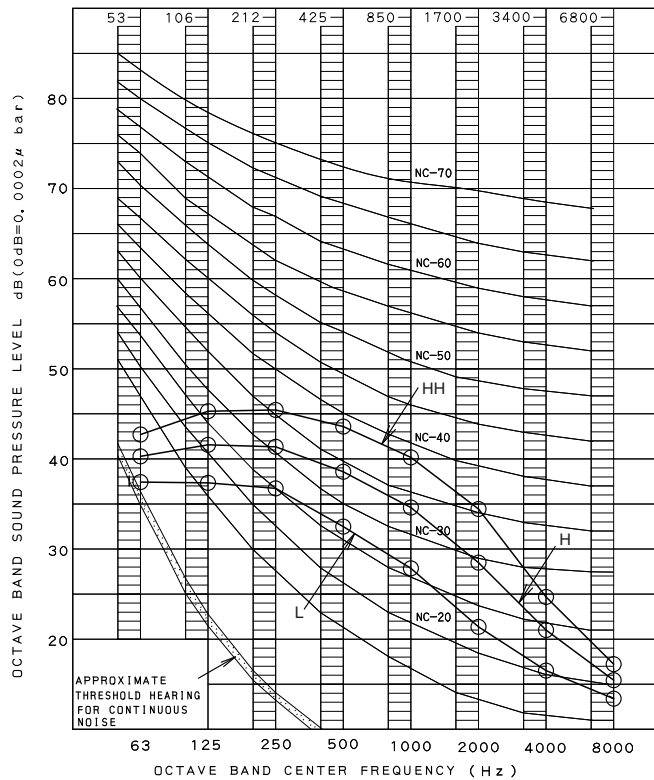
FCQ30PAVJU



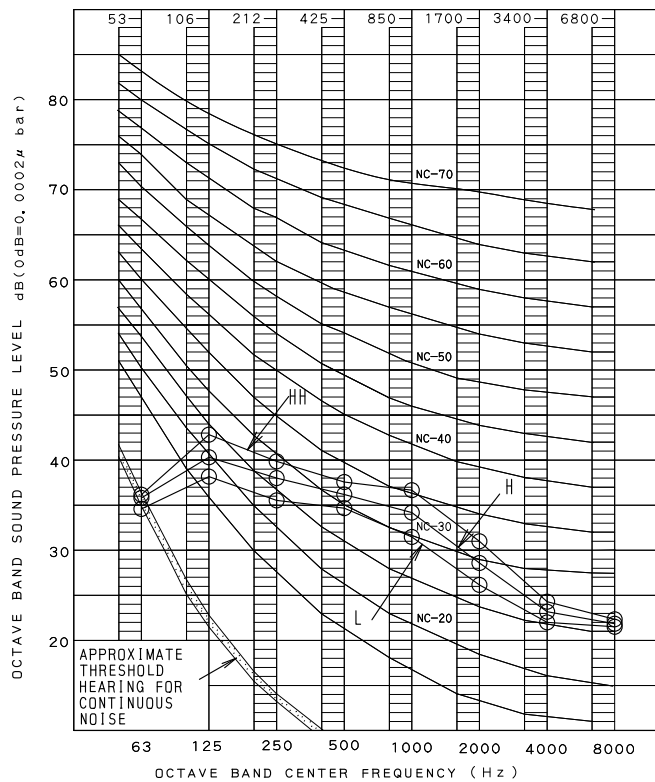
FCQ36PAVJU



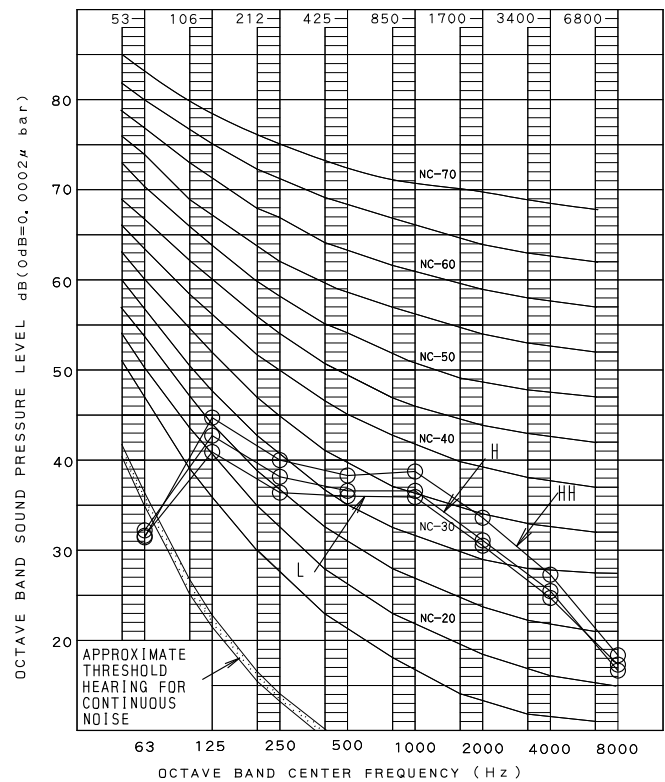
FCQ42PAVJU



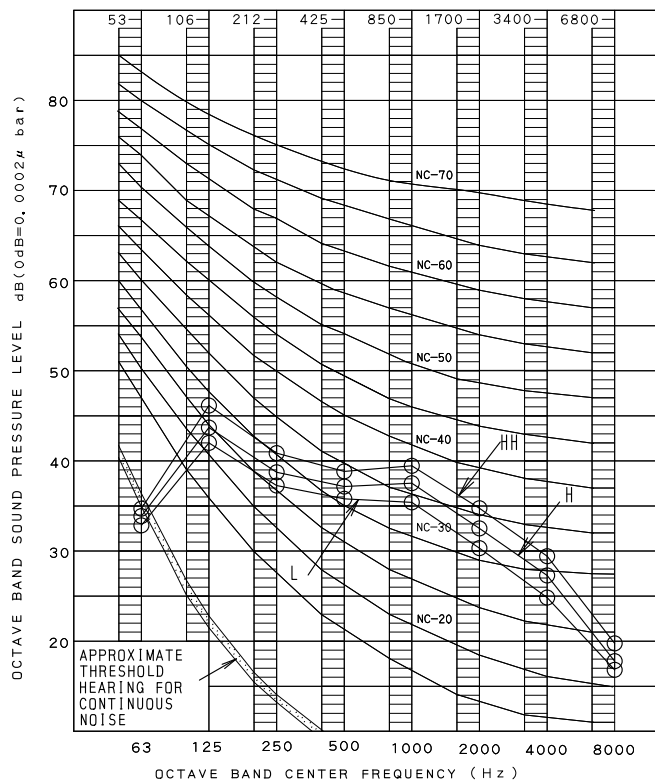
FBQ18PVJU



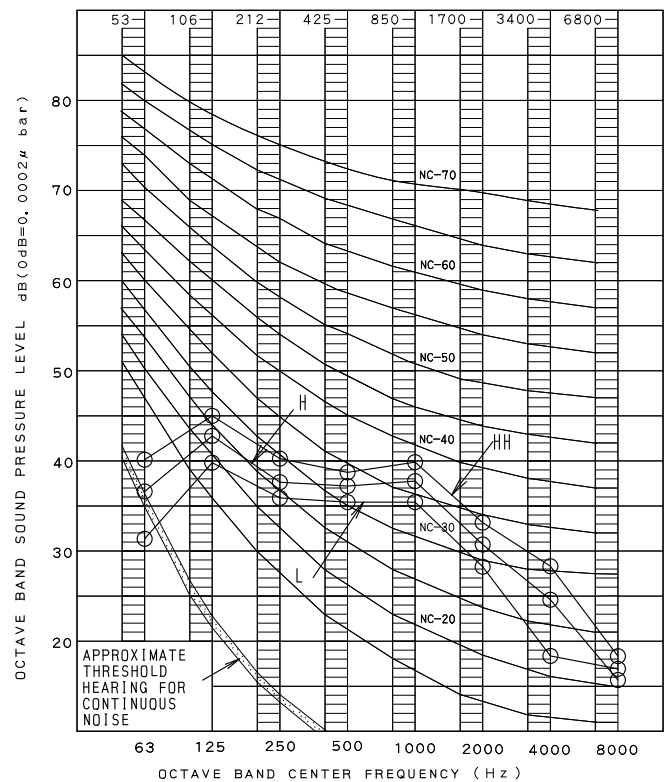
FBQ24PVJU



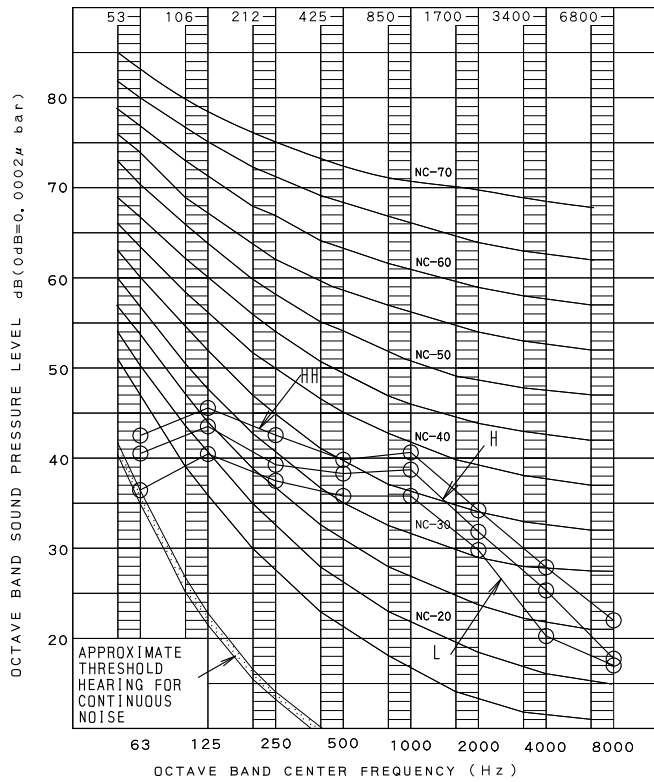
FBQ30PVJU



FBQ36PVJU



## FBQ42PVJU

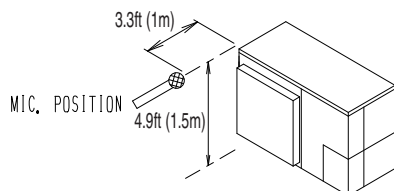


## 12.2 Outdoor unit

### 12.2.1 Overall

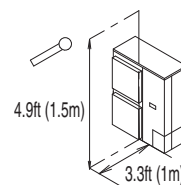
#### Location of microphone

RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU  
RZR18PVJU / RZR24PVJU / RZR30PVJU



#### Location of microphone

RZQ36PVJU9 / RZQ42PVJU9  
RZR36PVJU / RZR42PVJU



dB(A)

| Model<br>(Heat pump) | 208/230V, 60Hz | Model<br>(Cooling only) | 208/230V, 60Hz |
|----------------------|----------------|-------------------------|----------------|
| RZQ18PVJU9           | 49             | RZR18PVJU               | 49             |
| RZQ24PVJU9           | 49             | RZR24PVJU               | 49             |
| RZQ30PVJU            | 49             | RZR30PVJU               | 49             |
| RZQ36PVJU9           | 58             | RZR36PVJU               | 58             |
| RZQ42PVJU9           | 58             | RZR42PVJU               | 58             |

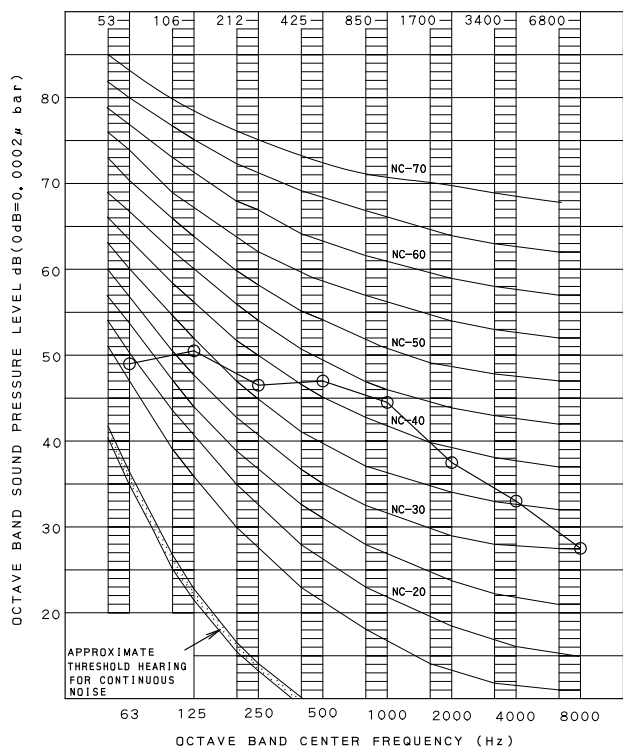
#### Notes:

1. The operation conditions are assumed to be standard (JIS conditions). Power source 208/230V, 60Hz.
2. The operation values were obtained in an anechoic chamber (conversion values).
3. Sound levels will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of the particular room in which the equipment is installed.

### 12.2.2 Octave Band Level

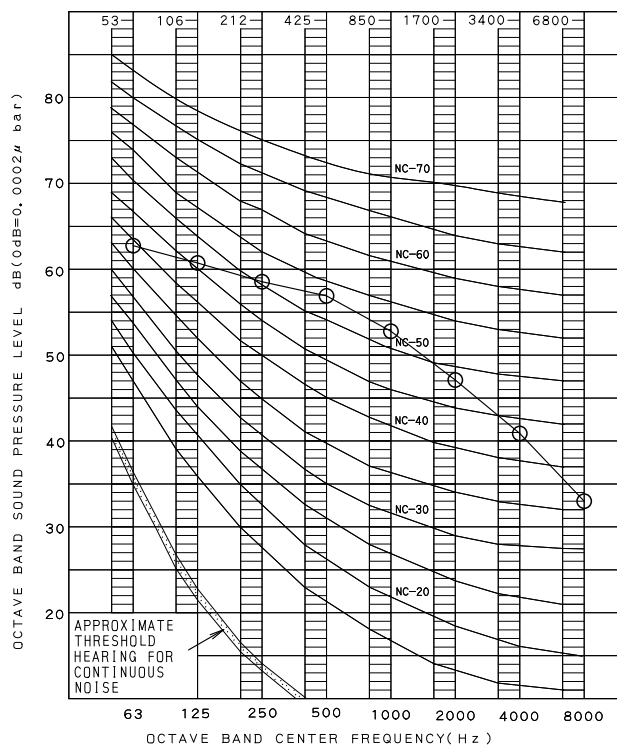
○ — ○ 208/230V, 60Hz

RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU  
RZR18PVJU / RZR24PVJU / RZR30PVJU



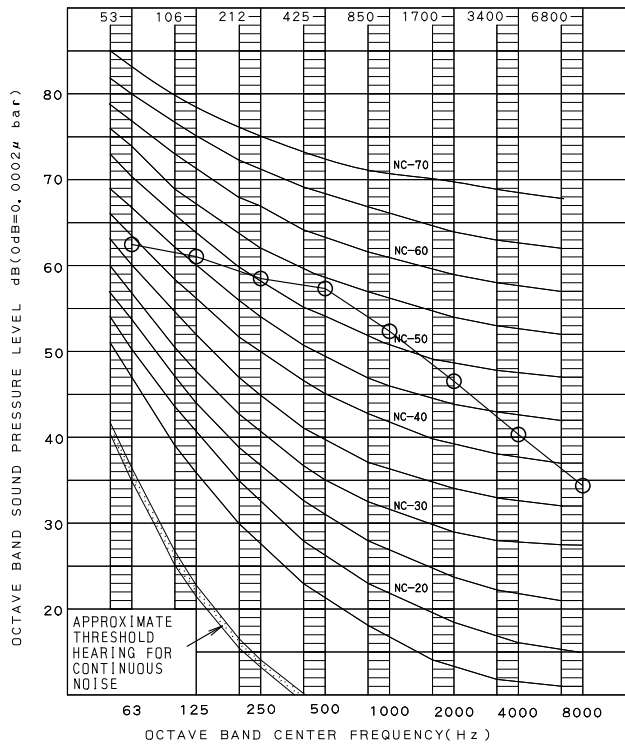
4D064231

RZQ36PVJU9  
RZR36PVJU



4D072768

RZQ42PVJU9  
RZR42PVJU

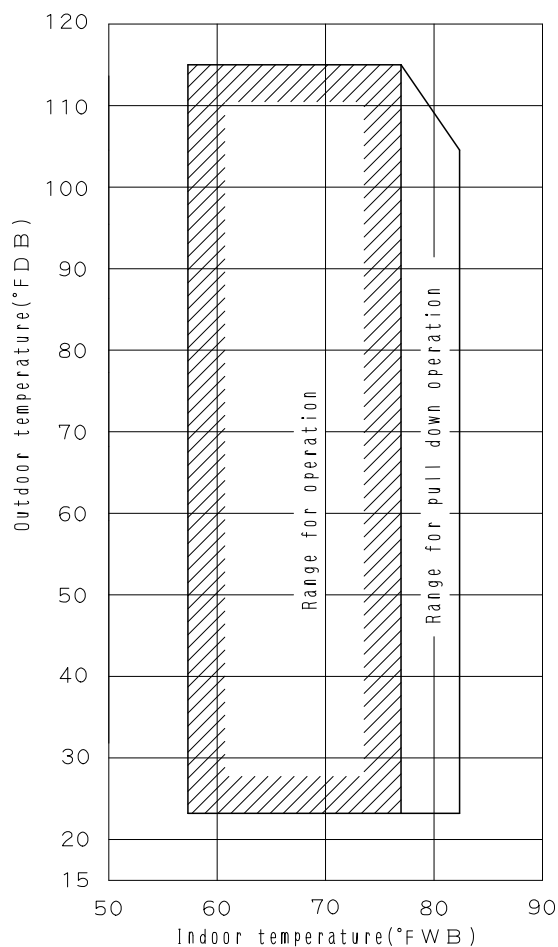


4D072769

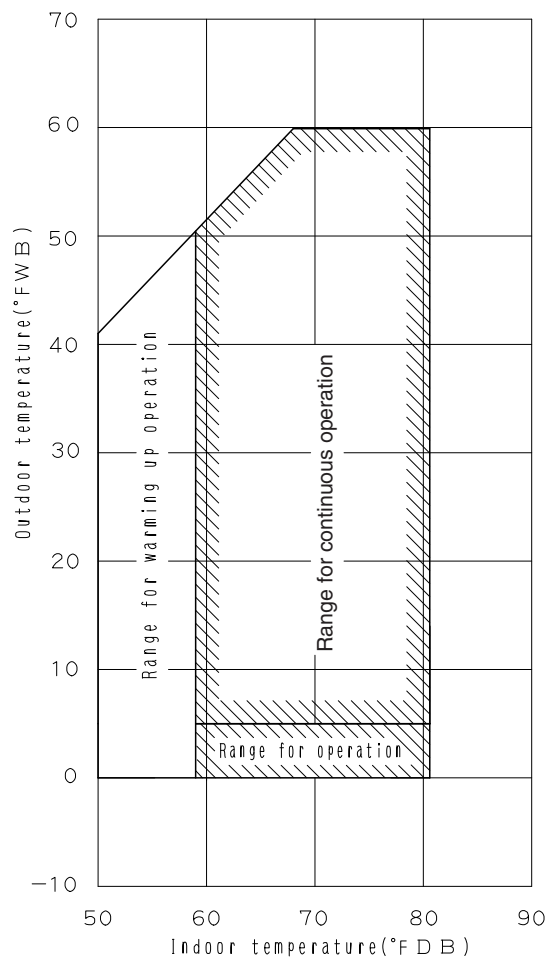
## 13. Operation limits

RZR18PVJU / RZR24PVJU / RZR30PVJU  
RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU

Cooling



Heating (RZQ-P only)



### NOTES:

#### NOTES:

1. These figures assume the following operation conditions,

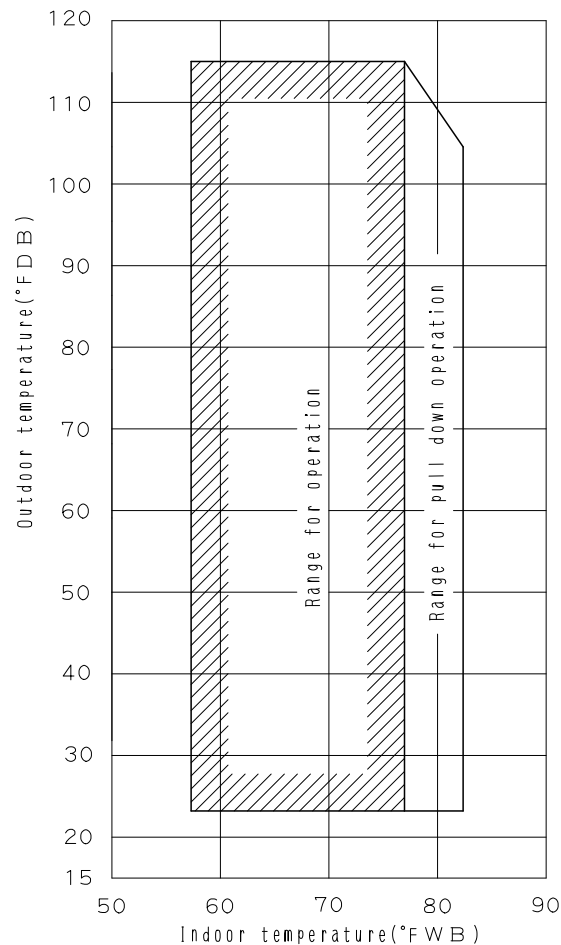
- Indoor and outdoor units:  
1. These figures assume the following operation conditions,  
Equivalent pipe length : 25 ft.  
Indoor and outdoor units:  
Level difference : 0 ft.  
Equivalent pipe length : 25 ft.

2. Operation can be extended to 0°F in cooling with use of the optional wind baffle.

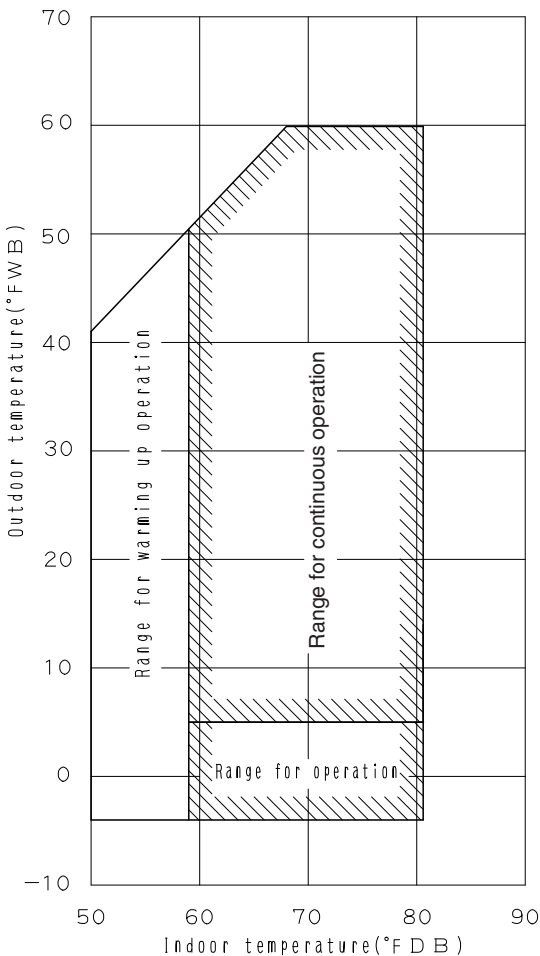
2. Operation can be extended to 0°F in cooling with use of the optional wind baffle.

RZR36PVJU / RZR42PVJU  
RZQ36PVJU9 / RZQ42PVJU9

Cooling



Heating (RZQ-P only)



# 14. Accessories

## 14.1 Indoor unit

### 14.1.1 FCQ

#### Optional accessories (For unit)

| Item                                   |                              |                      | Model        |            |            |            |            |
|----------------------------------------|------------------------------|----------------------|--------------|------------|------------|------------|------------|
|                                        |                              |                      | FCQ18PAVJU   | FCQ24PAVJU | FCQ30PAVJU | FCQ36PAVJU | FCQ42PAVJU |
| Decoration panel                       |                              |                      | BYCP125K-W1  |            |            |            |            |
| Sealing member of air discharge outlet |                              |                      | KDBH55K160F  |            |            |            |            |
| Panel spacer                           |                              |                      | KDBP55H160FA |            |            |            |            |
| Filter related                         | Replacement long life filter |                      | KAFP551K160  |            |            |            |            |
| Fresh air intake kit                   | Chamber type                 | Without T shape pipe | KDDP55B160   |            |            |            |            |
|                                        |                              | With T shape pipe    | KDDP55B160K  |            |            |            |            |

C: 3D074051

#### Optional accessories (For controls)

| Item                             |          | Model              |            |            |            |            |
|----------------------------------|----------|--------------------|------------|------------|------------|------------|
|                                  |          | FCQ18PAVJU         | FCQ24PAVJU | FCQ30PAVJU | FCQ36PAVJU | FCQ42PAVJU |
| Remote controller                | Wired    | BRC1E71            |            |            |            |            |
|                                  | Wireless | —                  |            |            |            |            |
| Simplified remote controller     |          | BRC2A71            |            |            |            |            |
| Remote sensor                    |          | KRCS01-4B          |            |            |            |            |
| Installation box for adaptor PCB |          | KRP1H98            |            |            |            |            |
| Central remote controller        |          | DCS302C71          |            |            |            |            |
| Unified ON/OFF controller        |          | DCS301C71          |            |            |            |            |
| Schedule timer                   |          | DST301BA61         |            |            |            |            |
| intelligent Touch Controller     |          | DCS601C71          |            |            |            |            |
| Wiring adapter PCB               |          | *KRP1C75           |            |            |            |            |
| Group control adaptor PCB        |          | *KRP4A74           |            |            |            |            |
| Installation box for adaptor PCB |          | KRP1H98 (Note2, 3) |            |            |            |            |

C: 3D074051

**Note:**

1. Installation box (KRP1H98) is necessary for each adaptor marked \*.
2. Up to two adaptors can be fixed for each installation box.
3. Only one installation box can be installed to each indoor unit.

## 14.1.2 FHQ

## Optional accessories (For unit)

| No. | Item                         |           | Model       |           |           |           |           |
|-----|------------------------------|-----------|-------------|-----------|-----------|-----------|-----------|
|     |                              |           | FHQ18PVJU   | FHQ24PVJU | FHQ30PVJU | FHQ36MVJU | FHQ42MVJU |
| 1   | Replacement long life filter | Resin net | KAF501DA160 |           |           |           |           |

C: 3D049335A

## Optional accessories (For controls)

| No. | Item                                      |          | Model      |           |           |           |           |
|-----|-------------------------------------------|----------|------------|-----------|-----------|-----------|-----------|
|     |                                           |          | FHQ18PVJU  | FHQ24PVJU | FHQ30PVJU | FHQ36MVJU | FHQ42MVJU |
| 1   | Remote controller                         | Wired    | BRC1E71    |           |           |           |           |
|     |                                           | Wireless | BRC7E83    |           |           |           |           |
| 2   | Simplified remote controller              |          | BRC2A71    |           |           |           |           |
| 3   | Remote sensor                             |          | KRCS01-1B  |           |           |           |           |
| 4   | Installation box for adaptor PCB          |          | KRP1C93    |           |           |           |           |
| 5   | Central remote controller                 |          | DCS302C71  |           |           |           |           |
| 5-1 | Electrical box                            |          | KJB311AA   |           |           |           |           |
| 6   | Unified ON/OFF controller                 |          | DCS301C71  |           |           |           |           |
| 6-1 | Electrical box                            |          | KJB212AA   |           |           |           |           |
| 7   | Schedule timer                            |          | DST301BA61 |           |           |           |           |
| 8   | External control adaptor for outdoor unit |          | *DTA104A62 |           |           |           |           |
| 9   | DIII-NET expander adaptor                 |          | *DTA109A51 |           |           |           |           |

C: 3D049198C

## Note:

1. Installation box (No.4) is necessary for each adaptor marked \*.
2. Electrical box (No.5-1/6-1) is required for (No.5/6).

## 14.1.3 FAQ

## Optional accessories (For controls)

| No. | Item                                      |          | Model      |           |
|-----|-------------------------------------------|----------|------------|-----------|
|     |                                           |          | FAQ18PVJU  | FAQ24PVJU |
| 1   | Remote controller                         | Wired    | BRC1E71    |           |
|     |                                           | Wireless | BRC7E818   |           |
| 2   | Simplified remote controller              |          | BRC2A71    |           |
| 3   | Remote sensor                             |          | KRCS01-1B  |           |
| 4   | Central remote controller                 |          | DCS302C71  |           |
| 4-1 | Electrical box                            |          | KJB311AA   |           |
| 5   | Unified ON/OFF controller                 |          | DCS301C71  |           |
| 5-1 | Electrical box                            |          | KJB212AA   |           |
| 6   | Schedule timer                            |          | DST301BA61 |           |
| 7   | External control adaptor for outdoor unit |          | —          |           |
| 8   | DIII-NET expander adaptor                 |          | —          |           |

C: 3D049198C

## Note:

1. Electrical box (No.4-1/5-1) is required for (No.4/5).

## 14.1.4 FBQ

### Optional accessories (For controls)

| No. | Item                                           |          | Model              |           |           |           |           |
|-----|------------------------------------------------|----------|--------------------|-----------|-----------|-----------|-----------|
|     |                                                |          | FBQ18PVJU          | FBQ24PVJU | FBQ30PVJU | FBQ36PVJU | FBQ42PVJU |
| 1   | Remote controller                              | Wireless | BRC4C82 (Note 3)   |           |           |           |           |
|     |                                                | Wired    | BRC1E71            |           |           |           |           |
| 2   | Simplified remote controller                   |          | BRC2A71            |           |           |           |           |
| 3   | Remote sensor (For wireless remote controller) |          | KRCS01-4B          |           |           |           |           |
| 4   | Unified ON/OFF controller                      |          | DCS301C71          |           |           |           |           |
| 4-1 | Electrical box                                 |          | KJB212AA           |           |           |           |           |
| 5   | Central remote controller                      |          | DCS3021C71         |           |           |           |           |
| 5-1 | Electrical box                                 |          | KJB311AA           |           |           |           |           |
| 6   | Schedule timer                                 |          | DST301BA61         |           |           |           |           |
| 7   | intelligent Touch Controller                   |          | DCS601C71          |           |           |           |           |
| 8   | DIII-NET expander adaptor                      |          | DTA109A51          |           |           |           |           |
| 9   | Wiring adaptor PCB                             |          | *KRP1C74           |           |           |           |           |
| 10  | External control adaptor PCB for outdoor unit  |          | *DTA104A61         |           |           |           |           |
| 11  | Group control adaptor PCB                      |          | *KRP4A71           |           |           |           |           |
| 12  | Fixing plate                                   |          | KRP4A96 (Note 4,5) |           |           |           |           |

C: 3D074109

**Note:**

1. Fixing plate (No.12) is necessary for each adaptor marked \*.
2. Electrical box (No.4-1/5-1) is required for controller (No.4/5).
3. Only 2 speeds (HH, L) are available.
4. Up to 2 adaptor PCBs can be installed in the fixing plate.
5. Only 1 fixing plate can be installed for each indoor unit.

## 14.2 Outdoor unit

### Optional accessories (For unit)

| Item                                    | Model         |               |               |               |               |                |                |               |                |                |
|-----------------------------------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|----------------|----------------|
|                                         | RZR18<br>PVJU | RZR24<br>PVJU | RZR30<br>PVJU | RZR36<br>PVJU | RZR42<br>PVJU | RZQ18<br>PVJU9 | RZQ24<br>PVJU9 | RZQ30<br>PVJU | RZQ36<br>PVJU9 | RZQ42<br>PVJU9 |
| Central drain plug                      | KKPJ5F180     |               |               |               |               |                |                |               |                |                |
| Fixture for preventing overturning      | KPT-60B160    |               |               |               |               |                |                |               |                |                |
| Wire fixture for preventing overturning | K-KYZP15C     |               |               |               |               |                |                |               |                |                |

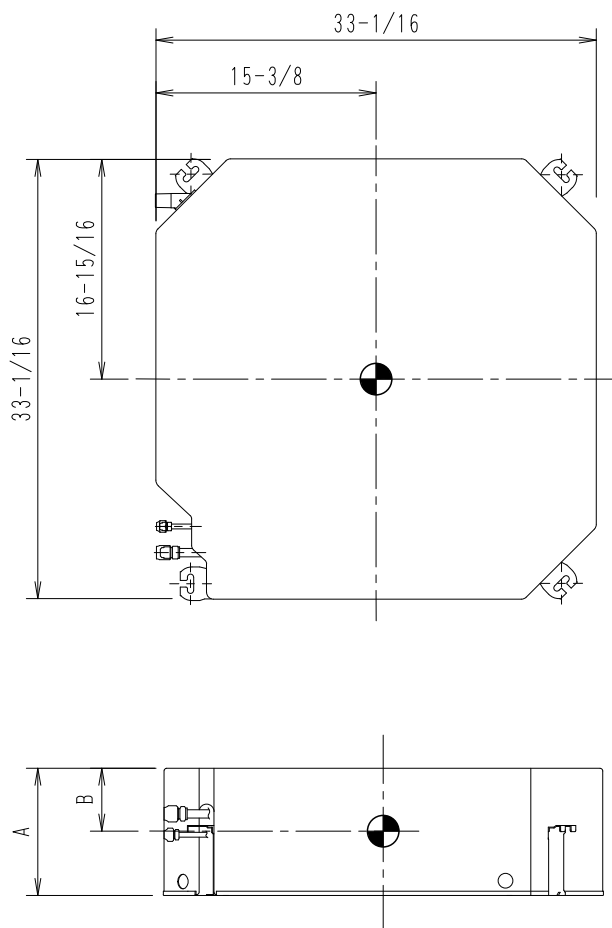
3D047388C

# 15. Center of gravity

## 15.1 Indoor unit

FCQ18PAVJU / FCQ24PAVJU / FCQ30PAVJU  
FCQ36PAVJU / FCQ42PAVJU

Unit (in.)

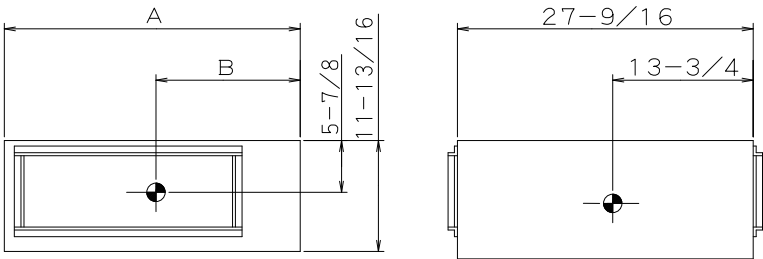


| MODEL NAME    | A       | B      |
|---------------|---------|--------|
| FCQ18~30PAVJU | 9-11/16 | 3-9/16 |
| FCQ36~42PAVJU | 11-5/16 | 4-3/4  |

C: 4D070529A

FBQ18PVJU / FBQ24PVJU / FBQ30PVJU / FBQ36PVJU / FBQ42PVJU

Unit (in.)



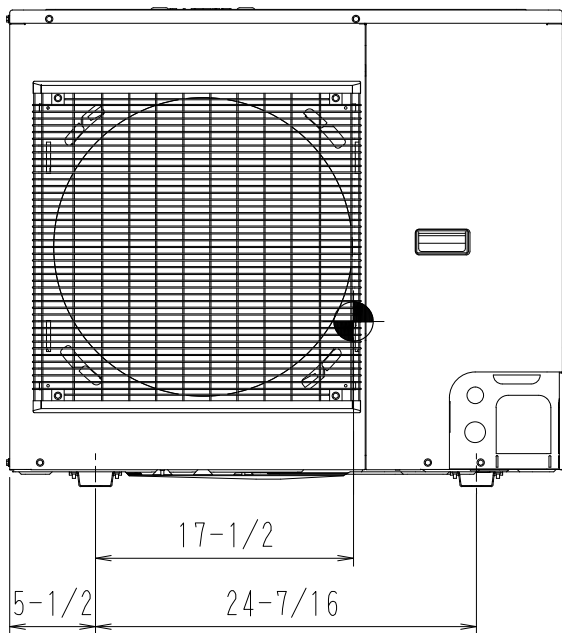
| MODEL NAME      | A      | B      |
|-----------------|--------|--------|
| FBQ18・24・30PVJU | 39-3/8 | 18-1/8 |
| FBQ36・42PVJU    | 55-1/8 | 23-5/8 |

C: 4D065975A

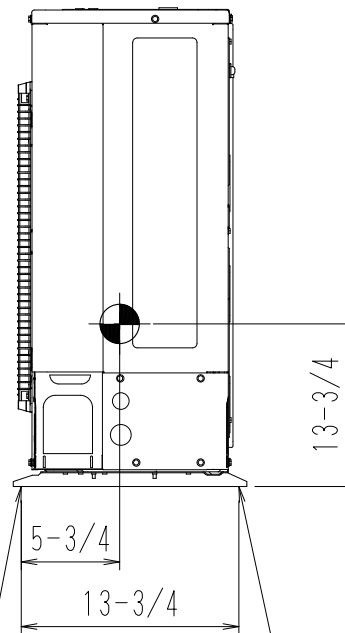
## 15.2 Outdoor unit

RZR18PVJU / RZR24PVJU / RZR30PVJU  
RZQ18PVJU9 / RZQ24PVJU9 / RZQ30PVJU

Unit (in.)



HOLD LOCATION OF  
FOUNDATION BOLT



HOLD LOCATION OF  
FOUNDATION BOLT

4D064214A

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### Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.



JMI-0107

Organization:  
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AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:  
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF  
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RECLAIM VENTILATION, AIR CLEANING EQUIPMENT,  
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AND MANUFACTURE OF AIR  
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COMPONENTS INCLUDING  
COMPRESSORS USED FOR THEM



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