



# Air Cooled Packaged

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**DAIKIN MIDDLE EAST**

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DAME 14-041



**R-410A**

Floor Standing type  
Cooling Only 50 Hz

# HFC R-410A Line Up for Factories and Offices

We have entered an era in which being recognized as an environmentally responsible corporate citizen has taken utmost importance.

Even when selecting air conditioners, a new model featuring HFC R-410A refrigerant could be the perfect step in promoting your corporate image.

## Product Line Up **R-410A** **NEW**

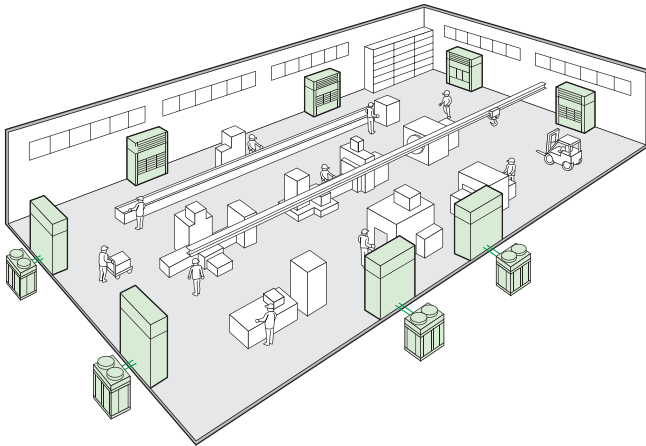
FLOOR STANDING TYPE **Cooling only**

| Capacity <sup>1,2</sup> |                                             | HP     | 5                                                                                             | 6                                                                                             | 8                                                                                               | 10                                                                                               |
|-------------------------|---------------------------------------------|--------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                         |                                             | kW     | 14.7                                                                                          | 17.6                                                                                          | 23.5                                                                                            | 29.3                                                                                             |
|                         |                                             | Btu/h  | 50,000                                                                                        | 60,000                                                                                        | 80,000                                                                                          | 100,000                                                                                          |
|                         |                                             | kcal/h | 12,600                                                                                        | 15,100                                                                                        | 20,200                                                                                          | 25,200                                                                                           |
| FLOOR STANDING TYPE     | <b>DIRECT AIR BLOW TYPE</b>                 |        |                                                                                               |                                                                                               |                                                                                                 |                                                                                                  |
|                         | Specifications Page 5<br>Dimensions Page 11 |        |                                                                                               |                                                                                               |                                                                                                 |                                                                                                  |
|                         | Indoor unit                                 |        |  FVGR05NV1 |  FVGR06NV1 |  FVGR08NV1 |  FVGR10NV1  |
|                         | Outdoor unit                                |        | RUR05NY1                                                                                      | RUR06NY1                                                                                      | RUR08NY1                                                                                        | RUR10NY1                                                                                         |
|                         | <b>DUCT CONNECTION TYPE</b>                 |        |                                                                                               |                                                                                               |                                                                                                 |                                                                                                  |
|                         | Specifications Page 5<br>Dimensions Page 12 |        |                                                                                               |                                                                                               |                                                                                                 |                                                                                                  |
|                         | Indoor unit                                 |        |                                                                                               |                                                                                               |                                                                                                 |  FVPGR10NY1 |
|                         | Outdoor unit                                |        |                                                                                               |                                                                                               |                                                                                                 | RUR10NY1                                                                                         |
| <b>OUTDOOR UNIT</b>     |                                             |        |                                                                                               |                                                                                               |                                                                                                 |                                                                                                  |
| Dimensions Page 15,16   |                                             |        |            |            |            |             |

## DIRECT AIR BLOW TYPE

### Direct air blow from indoor unit with plenum

- Comfortable factory air conditioning using multiple indoor units installed in accordance with the space.
- Installation is next to walls, so units will not affect the factory layout even if the changes are made.

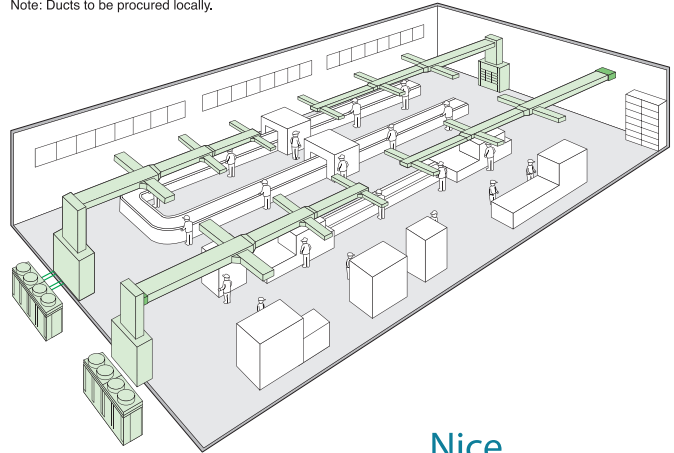


## DUCT CONNECTION TYPE

### Air blow via connected ducts

- Comfortable air conditioning of the entire factory by connecting a blow duct at the top of the indoor unit.

Note: Ducts to be procured locally.



50Hz

| 13                                                                                  | 15                                                                                  | 18                                                                                  | 20                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 35.2                                                                                | 46.9                                                                                | 52.8                                                                                | 58.6                                                                                 |
| 120,000                                                                             | 160,000                                                                             | 180,000                                                                             | 200,000                                                                              |
| 30,200                                                                              | 40,300                                                                              | 45,400                                                                              | 50,400                                                                               |
|                                                                                     |                                                                                     |                                                                                     |                                                                                      |
|  |  |  |  |
| FVPGR13NY1                                                                          | FVPGR15NY1                                                                          | FVPGR18NY1                                                                          | FVPGR20NY1                                                                           |
| RUR13NY1                                                                            | RUR15NY1                                                                            | RUR18NY1                                                                            | RUR20NY1                                                                             |
|  |  |  |  |

Nice,  
cool air in the factory  
or in the cafeteria



# Flexible design

## Enhanced varieties of factory modification and optional accessories

- ☐ Standard model  
☐ Factory modification  
☒ Contact sales for more information

|                      |                                                                                    | Floor Standing Type                 |                                     |
|----------------------|------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
|                      |                                                                                    | Direct Air Blow                     | Duct Connection Type                |
| Factory Modification | Auto restart                                                                       | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                      | Modify wiring for central control adapter kit (DAT107A55) installation             | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                      | Change fan motor and pulley                                                        | -                                   | <input type="checkbox"/>            |
|                      | Discharge grill plenum chamber                                                     | <input type="radio"/>               | <input type="checkbox"/>            |
|                      | Side discharge grillon discharge plenum chamber                                    | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                      | Lower drain pan                                                                    | -                                   | <input type="radio"/>               |
|                      | Front suction high efficiency filter chamber                                       | -                                   | <input type="checkbox"/>            |
|                      | Front suction base flange for front suction high efficiency filter chamber         | -                                   | <input type="checkbox"/>            |
|                      | Suction grill for front suction high efficiency filter chamber                     | -                                   | <input type="checkbox"/>            |
|                      | Fresh air inlet                                                                    | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                      | Rear suction                                                                       | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                      | Drain pump                                                                         | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                      | Remote sensor(Thermistor for suction air)                                          | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                      | All fresh air application                                                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|                      | Low outdoor temp.15°C application and long pipe 70m application                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Option               | Central control adaptor kit (external terminal for ON/OFF , abnormal) <sup>1</sup> | DAT107A55                           |                                     |
|                      | LCD remote controller <sup>2</sup>                                                 | BRC1C62                             |                                     |
|                      | intelligent Touch Controller <sup>2</sup>                                          | DCS601C51                           |                                     |
|                      | Central remote controller <sup>2</sup>                                             | DCS302CA61                          |                                     |
|                      | Unified ON/OFF controller <sup>3</sup>                                             | DCS301B61                           |                                     |
|                      | Schedule timer <sup>3</sup>                                                        | DST301BA61                          |                                     |
|                      | Remote sensor (thermistor for suction air) <sup>3</sup>                            | KRCS01-1                            |                                     |
|                      | Remote controller                                                                  | -                                   |                                     |

Note:

<sup>1</sup>Wiring modification is needed on floor stand model to connect with central control ADP kit.

<sup>2</sup>Need to use central control adapter kit for option connection.

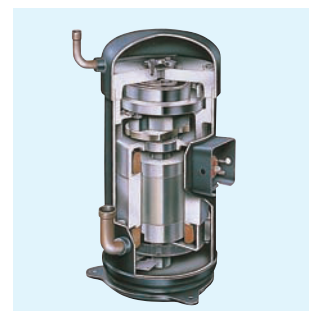
<sup>3</sup>Central control adapter kit and LCD remote controller is necessary for option connection.

## Quiet Operation

### Equipped with scroll compressor for quiet operation

Smooth running, low vibration, low operating sound.

| Outdoor unit | Sound level |       |
|--------------|-------------|-------|
|              | 380V        | 415V  |
| RUR05NY1     | 59 dB       | 60 dB |
| RUR06NY1     | 59 dB       | 60 dB |



## FLOOR STANDING TYPE

### DIRECT AIR BLOW TYPE



FVGR10NV1



RUR10NY1

### DUCT CONNECTION TYPE



FVPGR10NY1



RUR10NY1



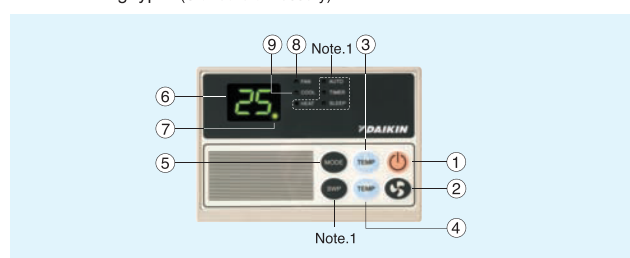
# and great reliability.

## Easy operation

**Digital remote control comes standard with indoor unit.**

Temperature setting is possible by button operation. The set temperature is conveniently displayed on the LED.

Floor standing type (Standard accessory)



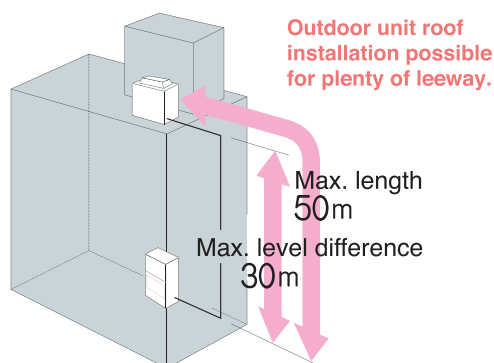
- |                    |                      |                              |
|--------------------|----------------------|------------------------------|
| ① On/Off button    | ④ Temp. setting down | ⑦ Compressor operation lamp. |
| ② Fan button       | ⑤ Mode button        | ⑧ Fan operation lamp.        |
| ③ Temp. setting up | ⑥ LED display        | ⑨ Cool operation lamp.       |

Note.1 It cannot be used for FVPGR10-20NY1

## Design flexibility

**Designed for long refrigerant piping.**

50 m maximum length and 30 m maximum level difference to cover medium- and large-scale building needs.



## Refrigerant pre charged for up to 7.5 metres

■ Allowable refrigerant pipe length and level difference

|                | Pre-charged <sup>1</sup> | Max. length                      | Max. level difference |
|----------------|--------------------------|----------------------------------|-----------------------|
| RUR05NY1-20NY1 | 7.5 m                    | 50 m<br>(Equivalent length 70 m) | 30 m                  |

Note: <sup>1</sup>Additional refrigerant charging is required if the refrigerant pipe is longer than the indicated length.

## 4-direction piping affords more freedom of layout

(Applies to RUR05N/06N)

Piping can be run from the front, bottom, right or rear surface according to how the unit is installed.

In case of RUR08-20N, piping can be drawn out in two directions-front, and under side.

## Durability

### Heat exchange fins provided with anti-corrosion treatment

(Applies to all outdoor units)

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.

## Space savings

**Installation space is saved thanks to a compact outdoor unit design. This also makes it easier to install.**

**NEW**

**RUR20NY1**  
(20HP)



# SPECIFICATIONS

## ■ FLOOR STANDING TYPE DIRECT AIR BLOW TYPE

|                                    |                                  |              |                                 | 5HP                                | 6HP                     | 8HP                     | 10HP                    |
|------------------------------------|----------------------------------|--------------|---------------------------------|------------------------------------|-------------------------|-------------------------|-------------------------|
| Model Name                         | Indoor unit                      |              |                                 | FVGR05NV1                          | FVGR06NV1               | FVGR08NV1               | FVGR10NV1               |
|                                    | Outdoor unit                     |              |                                 | RUR05NY1                           | RUR06NY1                | RUR08NY1                | RUR10NY1                |
| Power supply                       |                                  |              |                                 | 380~415 V, 50 Hz, 3 Phase, 4 Wires |                         |                         |                         |
| Cooling capacity <sup>1,3</sup>    |                                  | kW           | 14.7                            | 17.6                               | 23.5                    | 29.3                    |                         |
|                                    |                                  | Btu/h        | 50,000                          | 60,000                             | 80,000                  | 100,000                 |                         |
|                                    |                                  | kcal/h       | 12,600                          | 15,100                             | 20,200                  | 25,200                  |                         |
| Power consumption <sup>1</sup>     |                                  | kW           | 5.5                             | 6.4                                | 8.6                     | 11.2                    |                         |
| Running current                    |                                  | A            | 9.0                             | 10.4                               | 14.4                    | 18.9                    |                         |
| Starting current                   |                                  | A            | 72.7                            | 80.9                               | 118.2                   | 135.0                   |                         |
| Power factor                       |                                  | %            | 88.2                            | 88.8                               | 85.9                    | 85.5                    |                         |
| Indoor unit                        | Colour                           |              | Ivory White                     |                                    |                         |                         |                         |
|                                    | Air flow rate (H)                |              | m <sup>3</sup> /min             | 42                                 | 42                      | 54                      | 80                      |
|                                    |                                  |              | cfm                             | 1,480                              | 1,480                   | 1,910                   | 2,830                   |
|                                    | Fan                              | Drive        | Direct Drive 3 Speed            |                                    |                         |                         |                         |
|                                    | Sound level (H/M/L) <sup>2</sup> |              | dBA                             | 59/54/50                           | 59/54/50                | 60/56/51                | 61/57/52                |
|                                    | Dimensions (H×W×D)               |              | mm                              | 1,870×750×510                      | 1,870×750×510           | 1,870×950×510           | 1,870×1,170×510         |
|                                    | Machine weight                   |              | kg                              | 90                                 | 90                      | 107                     | 143                     |
|                                    | Operation range                  |              | °CWB                            | 14 to 25                           |                         |                         |                         |
| Outdoor unit                       | Colour                           |              | Ivory white                     |                                    |                         |                         |                         |
|                                    | Compressor                       | Type         | Hermetically sealed scroll type |                                    |                         |                         |                         |
|                                    |                                  | Motor output | kW                              | 4.5                                | 4.5                     | 6.7                     | 9.0                     |
|                                    | Refrigerant oil                  | Model        | DAPHNE FVC68D                   |                                    | POLYOL ESTER            |                         |                         |
|                                    |                                  | Charge       | L                               | 1.4                                | 1.8                     | 3.3                     |                         |
|                                    | Refrigerant charge (R-410A)      |              | kg                              | 2.5 (Charged for 7.5 m)            | 3.5 (Charged for 7.5 m) | 4.5 (Charged for 7.5 m) | 6.0 (Charged for 7.5 m) |
|                                    | Sound level <sup>2</sup>         | 380V         | dBA                             | 59                                 | 59                      | 60                      | 61                      |
|                                    |                                  | 415V         | dBA                             | 60                                 | 60                      | 61                      | 62                      |
|                                    | Dimensions (H×W×D)               |              | mm                              | 1,345×900×320                      |                         | 1,680×930×765           |                         |
|                                    | Machine weight                   |              | kg                              | 92                                 | 105                     | 203                     | 206                     |
|                                    | Operation range                  |              | °CDB                            | 21 to 46                           |                         |                         |                         |
| Refrigerant Piping                 | Indoor unit                      | Liquid       | mm                              | ø9.5 (Brazing)                     |                         | ø12.7 (Brazing)         |                         |
|                                    |                                  | Gas          | mm                              | ø19.1 (Brazing)                    |                         | ø22.2 (Brazing)         |                         |
|                                    |                                  | Drain        | mm                              | ø28.6 (Brazing)                    |                         |                         |                         |
|                                    | Outdoor unit                     | Liquid       | mm                              | ø9.5 (Flare)                       |                         | ø12.7 (Flare)           |                         |
|                                    |                                  | Gas          | mm                              | ø19.1 (Flare)                      |                         | ø22.2 (Brazing)         |                         |
|                                    |                                  | Drain        | mm                              | ø26.0 (Hole)                       |                         | ø28.6 (Brazing)         |                         |
| Max. interunit piping length       |                                  | m            | 50 (equivalent length 70 m)     |                                    |                         |                         |                         |
| Max. installation level difference |                                  | m            | 30                              |                                    |                         |                         |                         |

## ■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

|                                    |                             |                      |                                 | 10HP                               | 13HP                    | 15HP                    | 18HP            | 20HP       |
|------------------------------------|-----------------------------|----------------------|---------------------------------|------------------------------------|-------------------------|-------------------------|-----------------|------------|
| Model Name                         | Indoor unit                 |                      |                                 | FVPGR10NY1                         | FVPGR13NY1              | FVPGR15NY1              | FVPGR18NY1      | FVPGR20NY1 |
|                                    | Outdoor unit                |                      |                                 | RUR10NY1                           | RUR13NY1                | RUR15NY1                | RUR18NY1        | RUR20NY1   |
| Power supply                       |                             |                      |                                 | 380~415 V, 50 Hz, 3 Phase, 4 Wires |                         |                         |                 |            |
| Cooling capacity <sup>1,3</sup>    |                             | kW                   | 29.3                            | 35.2                               | 46.9                    | 52.8                    | 58.6            |            |
|                                    |                             | Btu/h                | 100,000                         | 120,000                            | 160,000                 | 180,000                 | 200,000         |            |
|                                    |                             | kcal/h               | 25,200                          | 30,200                             | 40,300                  | 45,400                  | 50,400          |            |
| Running current                    |                             | A                    | 19.2                            | 24.3                               | 29.0                    | 34.6                    | 40.4            |            |
| Power consumption <sup>1</sup>     |                             | kW                   | 11.4                            | 14.9                               | 17.8                    | 21.2                    | 24.8            |            |
| Starting current                   |                             | %                    | 85.7                            | 88.5                               | 88.6                    | 88.4                    | 88.6            |            |
| Power factor                       |                             | A                    | 129.5                           | 118.0                              | 130.3                   | 143.4                   | 146.3           |            |
| Indoor unit                        | Colour                      |                      |                                 | Ivory White                        |                         |                         |                 |            |
|                                    | Air flow rate (H)           |                      | m <sup>3</sup> /min             | 80                                 | 120                     | 162                     |                 |            |
|                                    |                             |                      | cfm                             | 2,830                              | 4,240                   | 5,720                   |                 |            |
|                                    | Fan                         | Drive                | Belt Drive                      |                                    |                         |                         |                 |            |
|                                    |                             | Ext. Static Pressure | Pa(mmH <sub>2</sub> O)          | 15                                 |                         |                         |                 |            |
|                                    | Sound level <sup>2</sup>    |                      | dBA                             | 61                                 | 62                      | 62                      | 63              | 63         |
|                                    | Dimensions (H×W×D)          |                      | mm                              | 1,740×1,170×510                    |                         |                         | 1,870×1,170×720 |            |
|                                    | Machine weight              |                      | kg                              | 150                                |                         |                         | 180             |            |
|                                    | Operation range             |                      | °CWB                            | 14 to 25                           |                         |                         |                 |            |
| Outdoor unit                       | Colour                      |                      |                                 | Ivory white                        |                         |                         |                 |            |
|                                    | Compressor                  | Type                 | Hermetically sealed scroll type |                                    |                         |                         |                 |            |
|                                    |                             | Motor output         | kW                              | 9.0                                | 5.0+5.0                 | 6.7+6.7                 | 7.5+7.5         | 9.0+9.0    |
|                                    | Refrigerant oil             | Model                | POLYOL ESTER                    |                                    |                         |                         |                 |            |
|                                    |                             | Charge               | L                               | 3.3                                | 5.0                     | 6.5                     |                 |            |
|                                    | Refrigerant charge (R-410A) |                      | kg                              | 6.0 (Charged for 7.5 m)            | 4.5 (Charged for 7.5 m) | 8.0 (Charged for 7.5 m) |                 |            |
|                                    | Sound level <sup>2</sup>    | 380V                 | dBA                             | 61                                 | 61                      | 62                      | 63              | 63         |
|                                    |                             | 415V                 | dBA                             | 62                                 | 62                      | 63                      | 64              | 64         |
|                                    | Dimensions (H×W×D)          |                      | mm                              | 1,680×930×765                      |                         |                         | 1,680×1,240×765 |            |
|                                    | Machine weight              |                      | kg                              | 206                                | 243                     | 319                     | 322             | 329        |
| Operation range                    |                             | °CDB                 | 21 to 46                        |                                    |                         |                         |                 |            |
| Refrigerant Piping                 | Indoor unit                 | Liquid               | mm                              | ø12.7 (Brazing)                    |                         |                         | ø15.9 (Brazing) |            |
|                                    |                             | Gas                  | mm                              | ø28.6 (Brazing)                    |                         |                         | ø34.9 (Brazing) |            |
|                                    |                             | Drain                | mm                              | PS 1B Internal thread              |                         |                         |                 |            |
|                                    | Outdoor unit                | Liquid               | mm                              | ø12.7 (Flare)                      |                         |                         | ø15.9 (Flare)   |            |
|                                    |                             | Gas                  | mm                              | ø28.6 (Brazing)                    |                         |                         | ø34.9 (Brazing) |            |
|                                    |                             | Drain                | mm                              |                                    |                         |                         |                 |            |
| Max. interunit piping length       |                             | m                    | 50 (equivalent length 70 m)     |                                    |                         |                         |                 |            |
| Max. installation level difference |                             | m                    | 30                              |                                    |                         |                         |                 |            |

Note : <sup>1</sup>Rated cooling capacities are based on the following conditions : Return air temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).

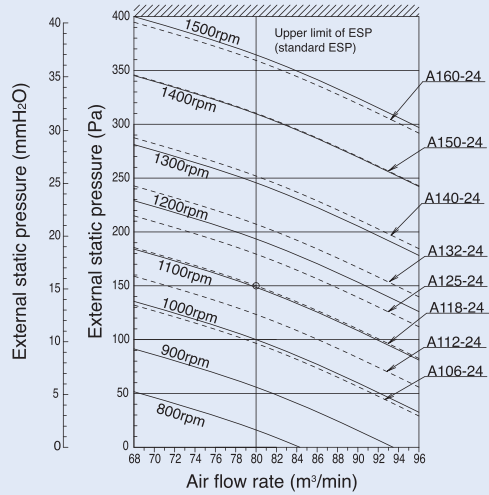
<sup>2</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

<sup>3</sup>Capacity includes indoor fan motor heat.

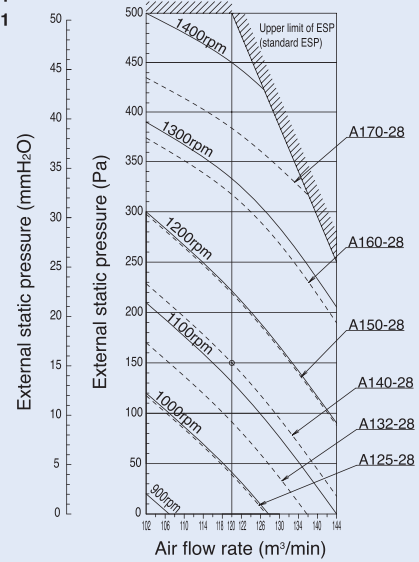
# Fan Performance

## FLOOR STANDING TYPE DUCT CONNECTION TYPE

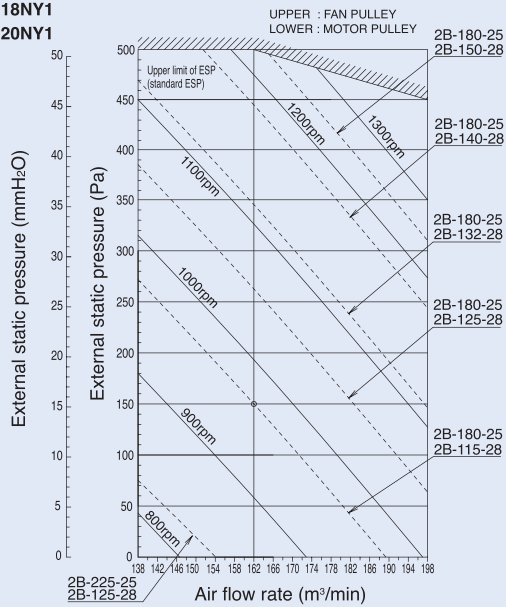
FVPGR10NY1



FVPGR13NY1  
FVPGR15NY1



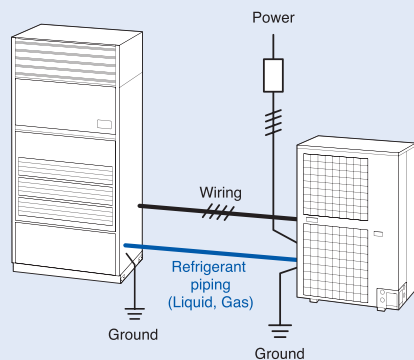
FVPGR18NY1  
FVPGR20NY1



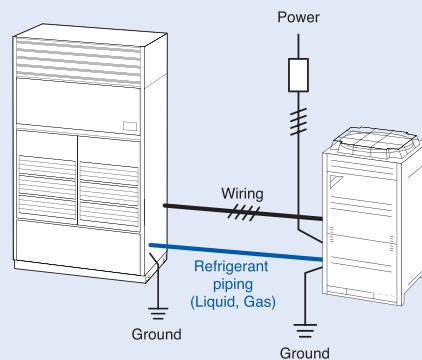
# Wiring and Piping

## ■ FLOOR STANDING TYPE DIRECT AIR BLOW TYPE

FVGR05N/06N  
RUR05N/06N

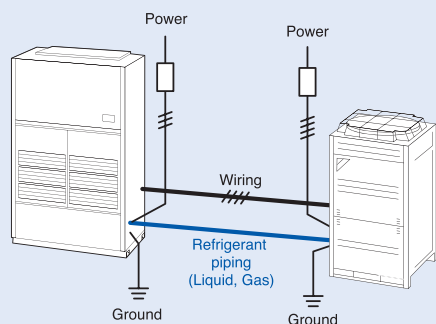


FVGR08N/10N  
RUR08N/10N

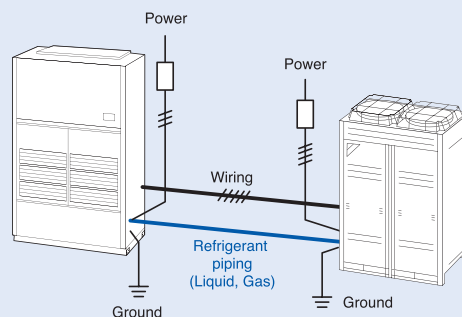


## ■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

FVPGR10N  
RUR10N



FVPGR13N/15N/18N/20N  
RUR13N/15N/18N/20N

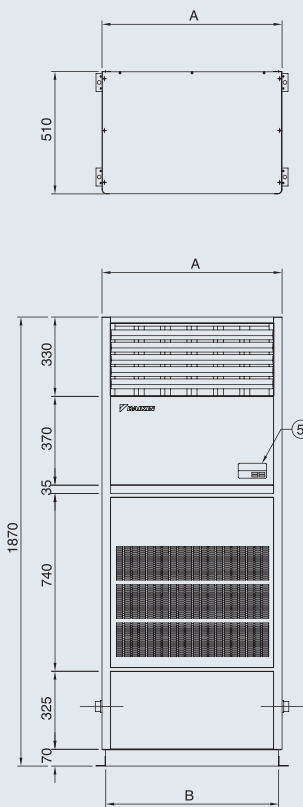


# DIMENSIONS

FLOOR STANDING TYPE

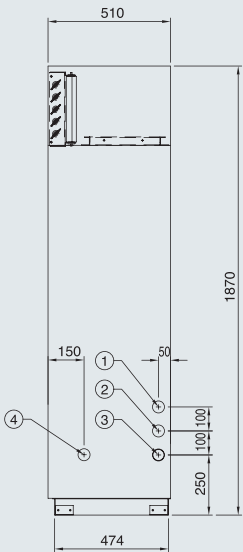
DIRECT AIR BLOW TYPE

FVGR05NV1  
FVGR06NV1  
FVGR08NV1



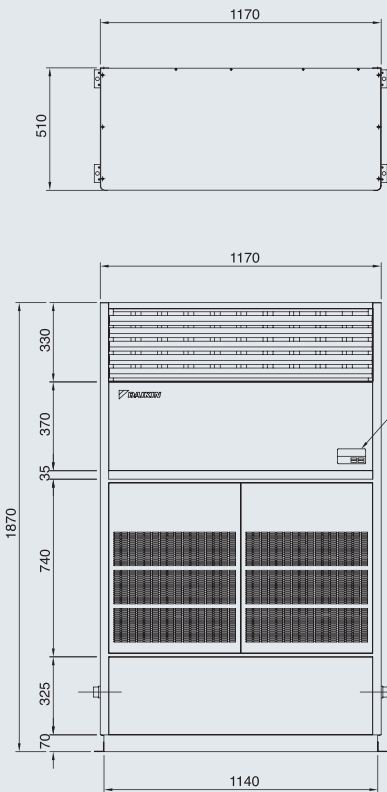
|           | A   | B   | C      | D      |
|-----------|-----|-----|--------|--------|
| FVGR05NV1 | 750 | 720 | ø 9.5  | ø 19.1 |
| FVGR06NV1 | 750 | 720 | ø 9.5  | ø 19.1 |
| FVGR08NV1 | 950 | 920 | ø 12.7 | ø 22.2 |

- ① Liquid pipe conn. (C) C1220T brazing
- ② Gas pipe conn. (D) C1220T brazing
- ③ Upper drain outlet (PS 1B Internal thread)
- ④ Power supply & control wire intake
- ⑤ Digital remote controller

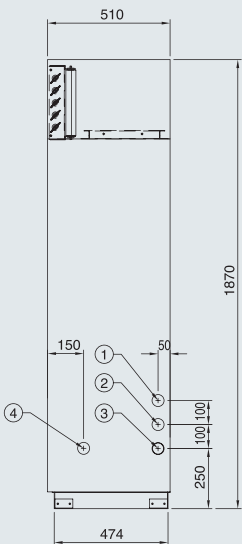


SDR3150151  
SDR3150152  
SDR3150153

FVGR10NV1



- ① Liquid pipe conn. (ø 12.7) C1220T brazing
- ② Gas pipe conn. (ø 28.6) C1220T brazing
- ③ Upper drain outlet (PS 1B Internal thread)
- ④ Power supply & control wire intake
- ⑤ Digital remote controller

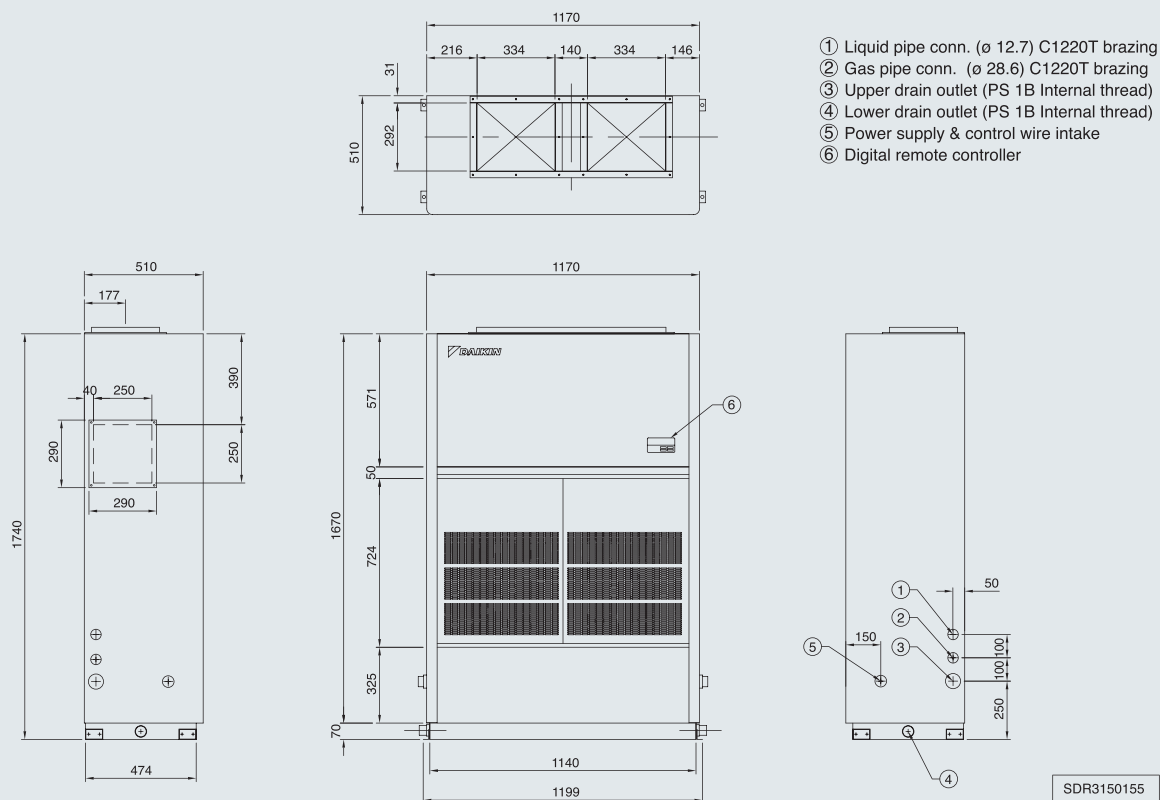


SDR3150154

# DIMENSIONS

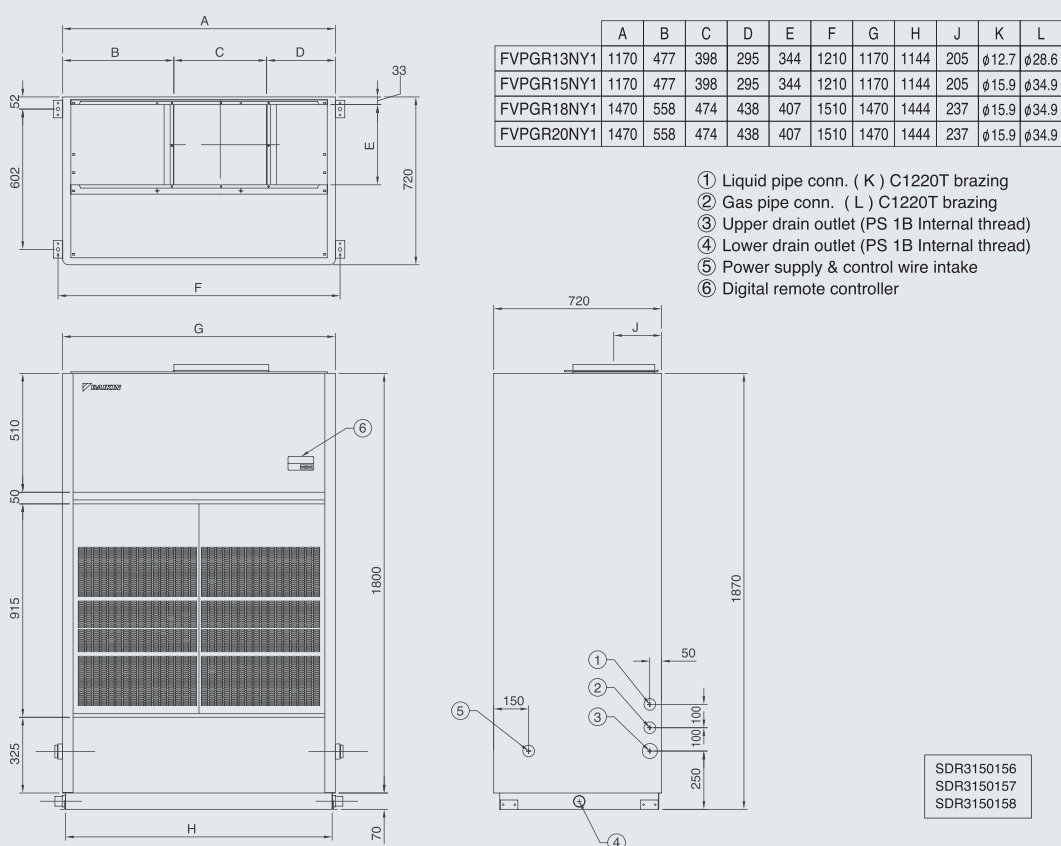
## FLOOR STANDING TYPE DUCT CONNECTION TYPE

### FVPGR10NY1



SDR3150155

### FVPGR13NY1 FVPGR15NY1 FVPGR18NY1 FVPGR20NY1

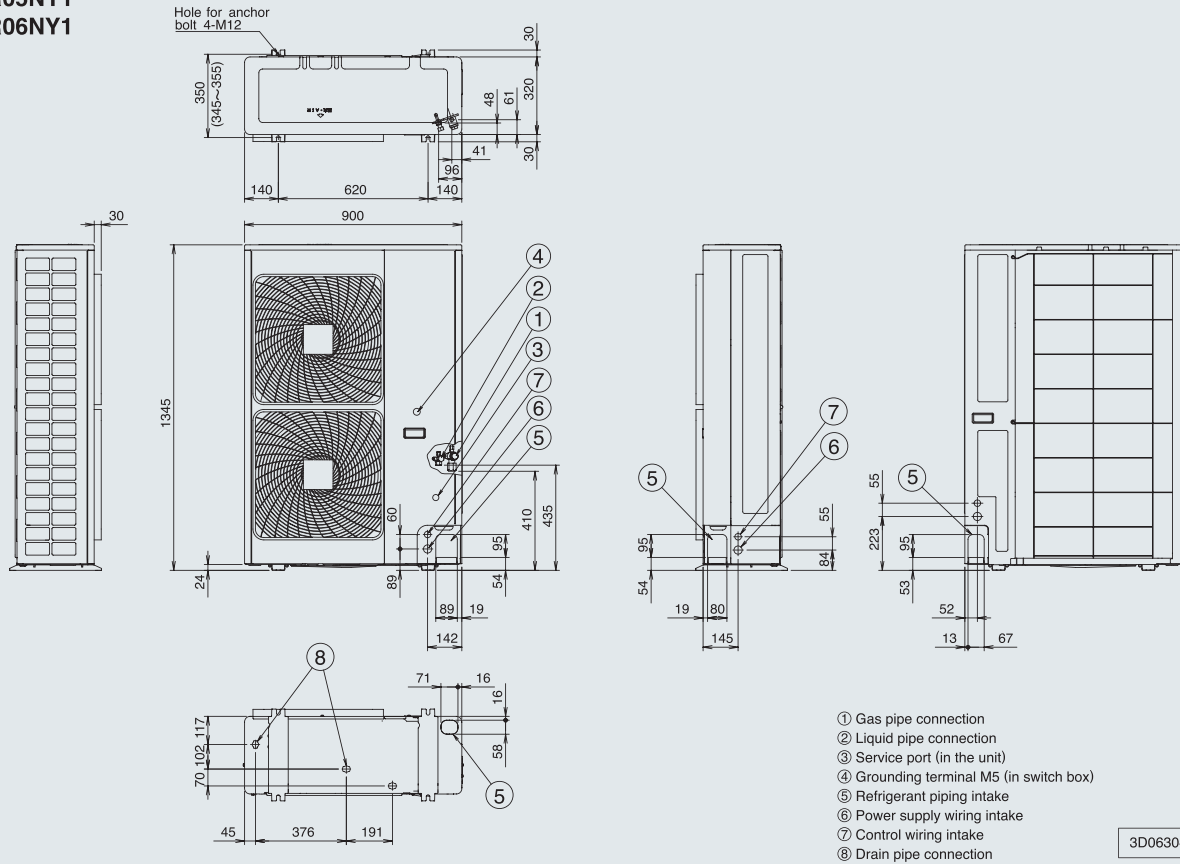


SDR3150156  
SDR3150157  
SDR3150158



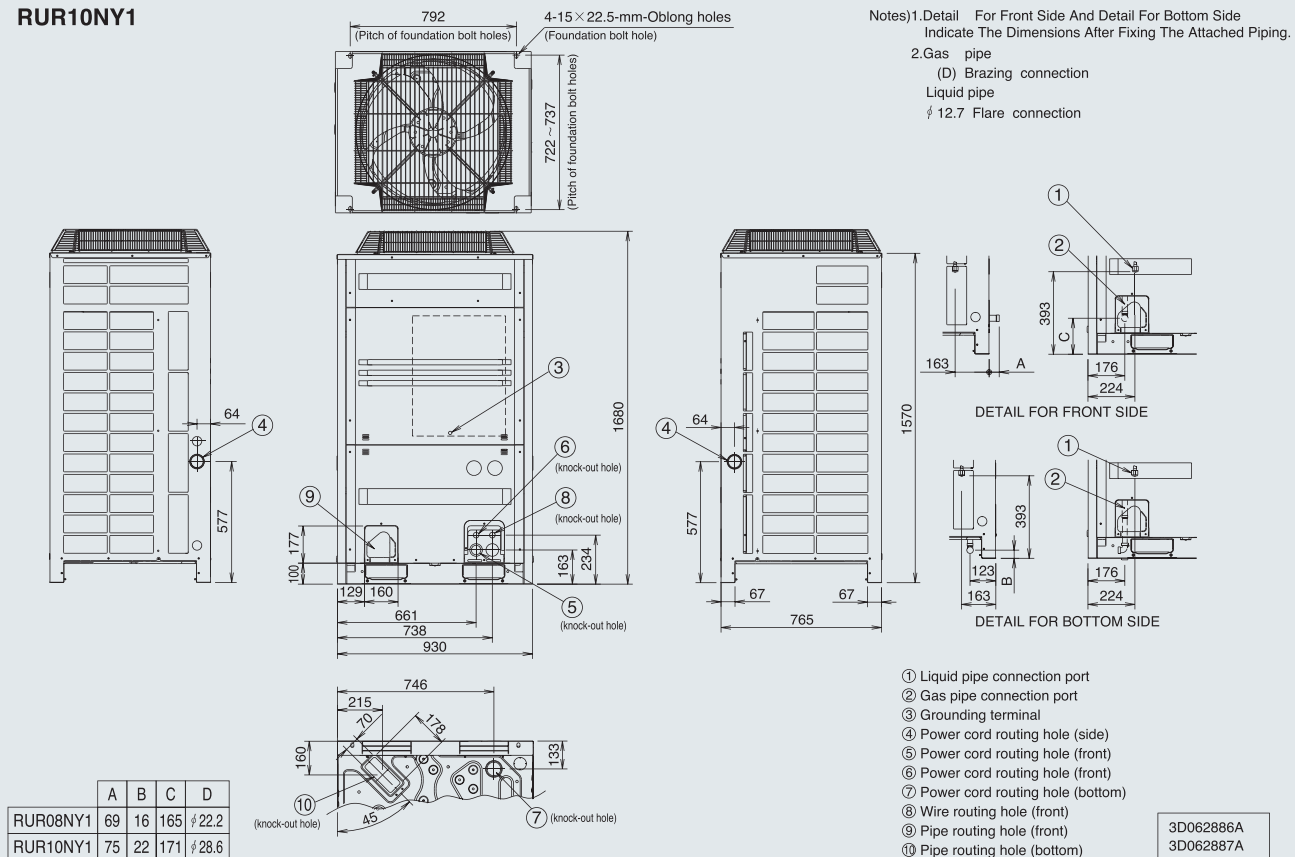
## OUTDOOR UNIT

### RUR05NY1 RUR06NY1



## OUTDOOR UNIT

### RUR08NY1 RUR10NY1

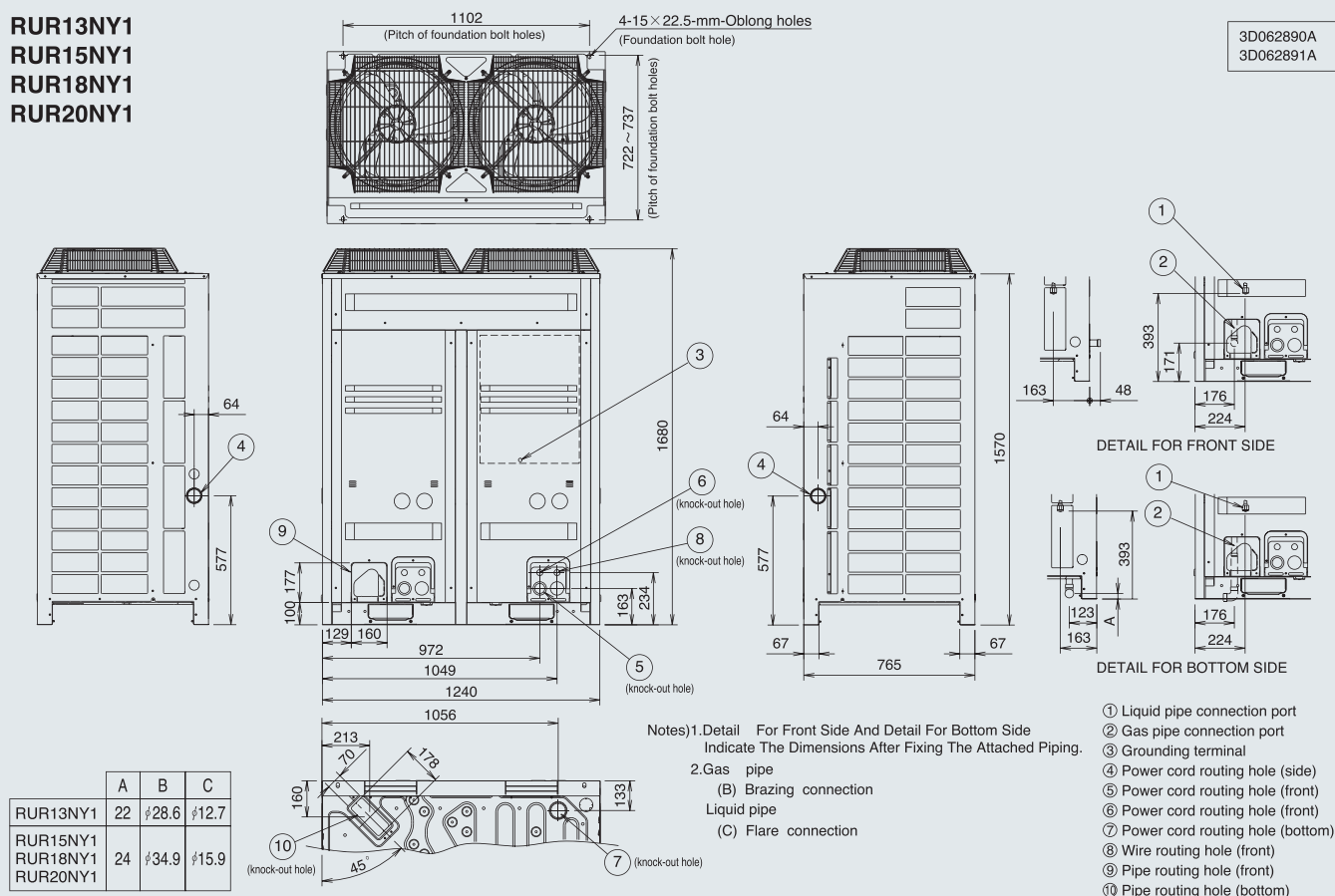


# DIMENSIONS

## OUTDOOR UNIT

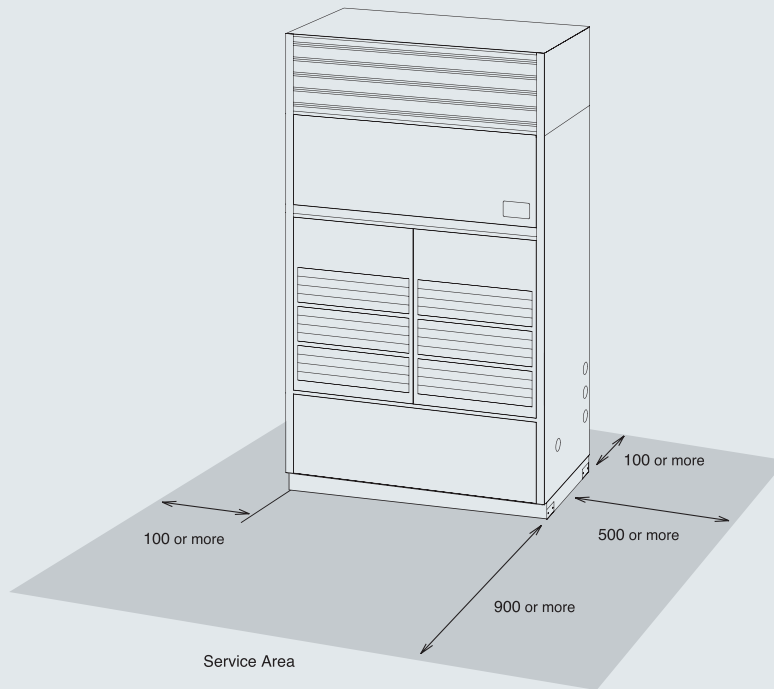
RUR13NY1  
RUR15NY1  
RUR18NY1  
RUR20NY1

3D062890A  
3D062891A

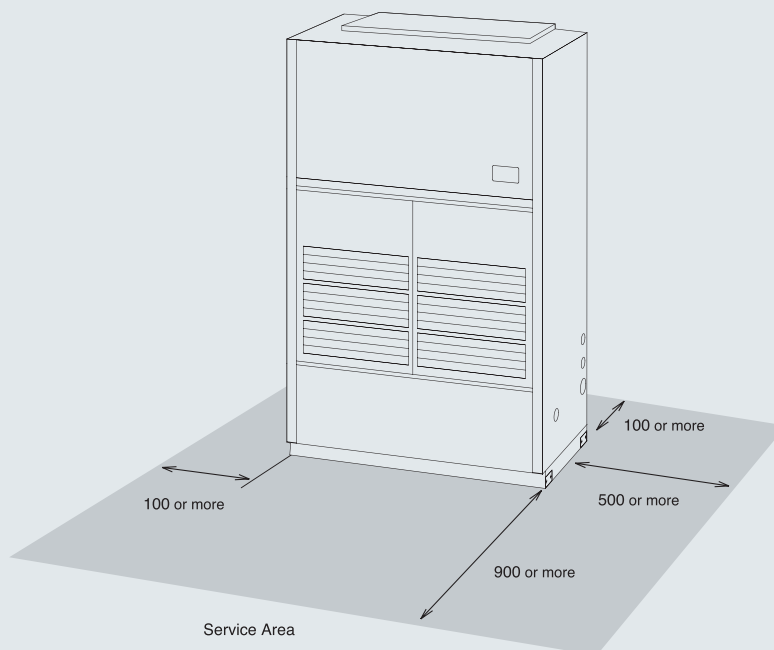


## Space required for indoor unit installation

FVGR05NV1  
FVGR06NV1  
FVGR08NV1  
FVGR10NV1



FVPGR10NY1  
FVPGR13NY1  
FVPGR15NY1  
FVPGR18NY1  
FVPGR20NY1



# Space required for outdoor unit installation

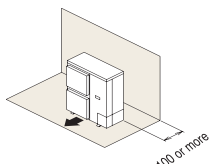
## ■ For RUR05NY1/06NY1

### When there is an obstruction on the inlet side

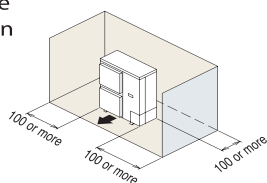
#### When the overhead space is open

##### 1. For single unit installation

When there is an obstruction only on the inlet side

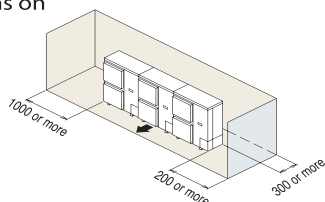


When there are obstructions on both sides



##### 2. For series installation (more than two units)

When there are obstructions on both sides

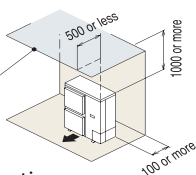


### When there is an obstruction in the overhead space

##### 1. For single unit installation

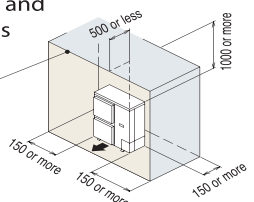
When there is an obstruction on the inlet side

An obstruction in the overhead space



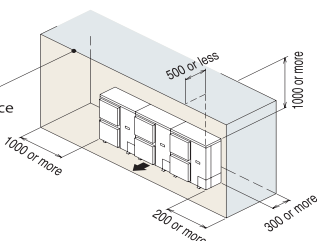
When there are obstructions on the inlet side and both lateral sides

An obstruction in the overhead space



When there are obstructions on the inlet side and both lateral sides

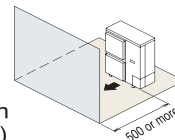
An obstruction in the overhead space



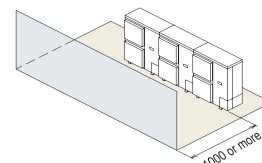
### When there is an obstruction on the outlet side

#### When the overhead space is open

##### 1. For single unit installation



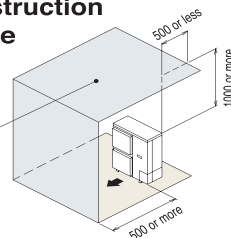
##### 2. For series installation (more than two units)



### When there is an obstruction in the overhead space

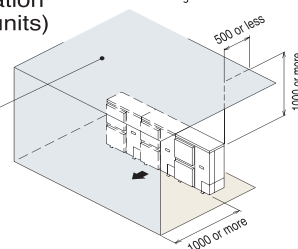
##### 1. For single unit installation

An obstruction in the overhead space



##### 2. For series installation (more than two units)

An obstruction in the overhead space



### When there are obstructions on both the inlet and outlet sides

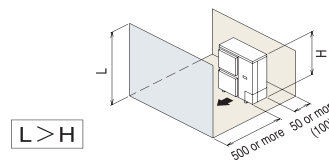
#### Pattern 1

For other patterns, please refer to engineering databook.

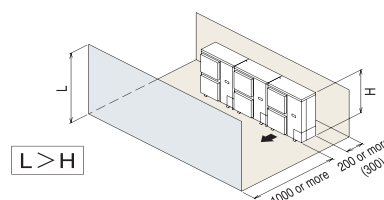
When the obstruction on the outlet side is higher than the unit itself (There is no limit to the height of the obstruction on the outlet side.)

#### When the overhead space is open

##### 1. For single unit installation



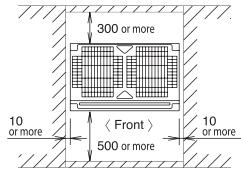
##### 2. For series installation (more than two units)



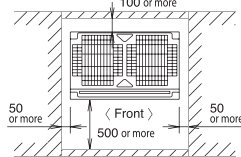
## For RUR08NY1/10NY1/13NY1/15NY1/18NY1/20NY1

### For single unit installation

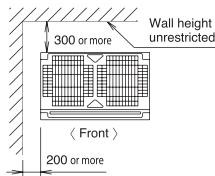
Pattern 1



Pattern 2

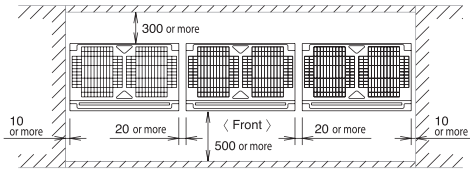


Pattern 3

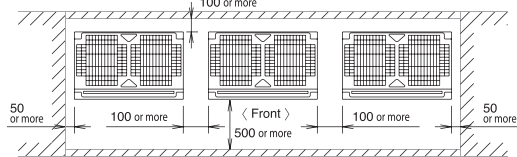


### For installation in rows

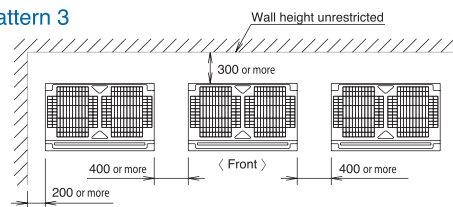
Pattern 1



Pattern 2

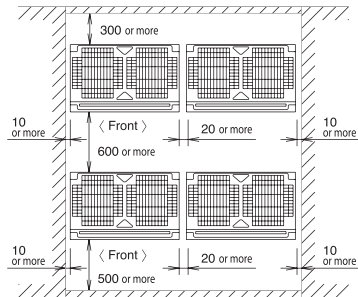


Pattern 3

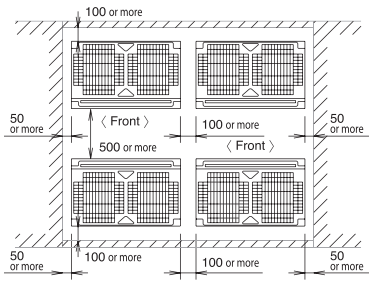
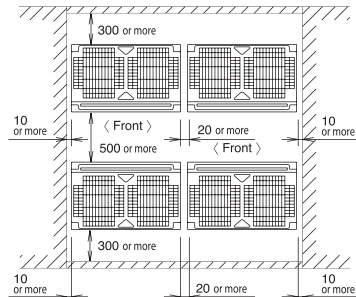
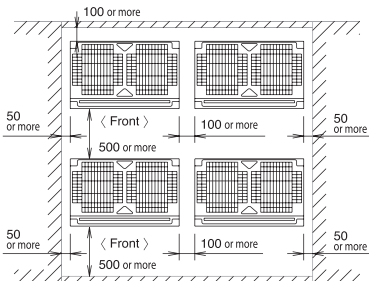


### For centralized group layout

Pattern 1



Pattern 2



Unit : mm

#### Notes:

<sup>1</sup>Heights of walls in case of Patterns 1 and 2:

Front : 1500 mm

Suction side : 500 mm

Side : Height unrestricted.

Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature.

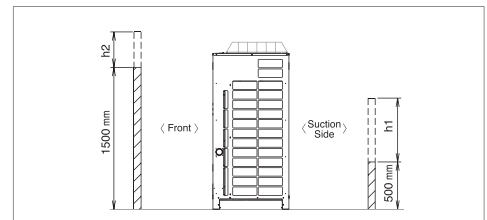
When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.

<sup>2</sup>If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.

<sup>3</sup>When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely.

( If more units are to be installed than are catered for in the above patterns )  
your layout should take account of the possibility of short circuits.

<sup>4</sup>The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.



# NOTES

[illegible]

# NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# NOTES

[illegible]



# NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.