AIR COOLED PACKAGED AIR CONDITIONERS

FLOOR STANDING TYPE
DUCT TYPE
COOLING ONLY 50Hz

Specifications, designs and other content appearing in this brochure are current as of September 2018 but subject to change without notice.

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.

Warning:
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.
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

**FLOOR STANDING TYPE**

<table>
<thead>
<tr>
<th>HP</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>13</th>
<th>15</th>
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<th>20</th>
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<tbody>
<tr>
<td>kW</td>
<td>14.7</td>
<td>17.6</td>
<td>23.5</td>
<td>29.3</td>
<td>35.2</td>
<td>46.9</td>
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<td>Btu/h</td>
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<td>30,200</td>
<td>40,300</td>
<td>45,400</td>
<td>50,400</td>
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</table>

**DUCT CONNECTION TYPE**

**DIRECT AIR BLOW TYPE**

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

**DUCT 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.

**FLOOR STANDING TYPE**

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</table>

**OUTDOOR UNIT**

- Dimensions Page 14,15
Flexible design and great reliability.

Enhanced varieties of factory modification and optional accessories

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.

APIR05NY1-20NY1
Pre-charged
Max. length
Max. level difference

7.5 m
30 m
20 m
30 m

Note  
1 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 more compact outdoor unit. This also makes it easier to install.

Previous 20HP outdoor unit
Installation space is saved thanks to a more compact outdoor unit. This also makes it easier to install.

IE3 Fan Motor
Reliability, long life and premium efficiency motor
Reduce energy consumption, CO₂ emissions and the impact of industrial operations on the environment.
For FVPGR10-20NY1G FDRS-20NY1G

Quiet Operation
Equipped with scroll compressor for quiet operation
Smooth running, low vibration, low operating sound.

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.
**Duct connection type**

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor unit</th>
<th>1HP</th>
<th>2HP</th>
<th>3HP</th>
<th>4HP</th>
<th>5HP</th>
<th>6HP</th>
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<td>RUR10NY1</td>
<td>RUR13NY1</td>
<td>RUR16NY1</td>
<td>RUR18NY1</td>
<td>RUR20NY1</td>
<td>RUR26NY1</td>
<td>RUR32NY1</td>
<td>RUR38NY1</td>
<td>RUR45NY1</td>
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<tr>
<td>Power supply</td>
<td>kW</td>
<td>0.75</td>
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<td>1.5</td>
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<td>Cooling capacity 1-5</td>
<td>kW</td>
<td>2.67</td>
<td>4.12</td>
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**Fan Performance**

**FLOOR STANDING TYPE**

**DUCT CONNECTION TYPE**

**DUCT TYPE**

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**FVPGR13NY1G**

**FVPGR20NY1G**

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**FLOOR STANDING TYPE**

**DUCT CONNECTION TYPE**

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**DUCT TYPE**

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Wiring and Piping

FLOOR STANDING TYPE
DIRECT AIR BLOW TYPE

DUCT CONNECTION TYPE

DUCT TYPE

DIMENSIONS (Unit: mm)

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
**DUCT TYPE**

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

**DIMENSIONS** (Unit: mm)

**DUCT CONNECTION TYPE**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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</table>

**DUCT TYPE**

- Liquid pipe connection (ø 9.5)
- Gas pipe connection (ø 18.1)
- Drain pipe connection (PS 3/4B Internal thread)
- Earth terminal
- Power supply
- Suspension bracket
Provide enough clearance between the unit and the surrounding walls to prevent contact.

When installing the switch box, the suspension bolt should be 230 mm or more away from the unit (so that maintenance can easily be carried out the switch box).

Provide enough clearance between the unit and the surrounding walls to prevent contact.

When installing the switch box, the suspension bolt should be 230 mm or more away from the unit (so that maintenance can easily be carried out the switch box).
**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

2. For series installation (more than two units)
   When there are obstructions on both sides

When there is an obstruction on the outlet side

When the overhead space is open

1. For single unit installation
   When there is an obstruction only on the outlet side

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 only in the overhead space

2. For series installation (more than two units)
   When there are obstructions on the inlet side and both lateral sides

When there are obstructions on both the inlet and outlet sides

Pattern 1

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

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 on the inlet side only

2. For series installation (more than two units)
   When there are obstructions on the inlet side

When there are obstructions on both the inlet and outlet sides

Pattern 1

For centralized group layout

Pattern 1

Notes:
- Heights of walls in case of Patterns 1 and 2:
  - Front : 1500 mm
  - Side : 500 mm
  - Height unrestricted

- 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 the drawing.
- If more units are to be installed than are catered for in the above patterns, please refer to engineering databook.

Please refer to engineering databook for other installation patterns.