### PRECAUTION FOR USING R32 REFRIGERANT

**SAFETY PRECAUTIONS**

- Always contact local municipal offices for proper handling.
- Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant.
- Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.
- In case of leakage/spillage happened, immediately ventilate area and stay upwind and away from spill/release.
- Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.

**WARNING**

- Do not pierce or burn as the appliance is pressurized. Do not expose the appliance to heat, flame, sparks, or other sources of ignition.
- If in doubt consult the manufacturer’s technical department for assistance.
- Ensure that apparatus is mounted securely.
- Replacement parts shall be in accordance with the manufacturer’s specifications.
- The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.
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**CAUTION**

- Electrostatic charge may accumulate and create a hazardous condition when charging or discharging the refrigerant.
- Ensure that the conditions within the area have been made safe by limit of use of any flammable material. Keep all sources of ignition and hot metal surfaces away.
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**1. SELECT THE BEST LOCATION**

Refer to "Select the best location" section.

**2. HOW TO FIX INSTALLATION PLATE**

1. Mount the installation plate on the wall with 5 screws or more (at least 5 screws).

**3. TO DRILL A HOLE IN THE WALL AND INSTALL A SLEEVE OF PIPING**

1. Drill holes on the location according to the sheet below.

**4. INDOOR UNIT INSTALLATION**

1. Pull out the Indoor piping and insulate and finish the piping.

2. Connect the piping in a position as mentioned in illustrations below.

3. Secure the Indoor Unit.

**5. CONNECT THE CABLE TO THE INDOOR UNIT**

1. Connect a charging hose with a push pin to the Low side liquid side of the 3-way valve and to the service port of the 3-way valve.

2. Set the vertical airflow direction to the horizontal position.

3. Connect approved type polychloroprene sheathed cable (2.0 ~ 3.0HP) to the terminal board, and connect the others end of the cord to Isolating Devices (Disconnecting means).

4. Measure the temperature of the intake and discharge air.

5. Connect the power supply cord and connection cable to the outdoor unit according to the diagram below.

6. Earth wire shall be Yellow/Green (Y/G) in colour and longer than other AC wires for safety reason.

**6. PIPING INSULATION**

1. Pull out the Indoor piping and insulate and finish the piping.

2. Secure the Indoor Unit.

**7. EVALUATION OF THE PERFORMANCE**

1. Connect the cable to the Indoor unit.

2. Connect the cable to the Outdoor unit.

3. Use complete wiring from concealed wiring, or otherwise.

4. Measure the temperature of the intake and discharge air.

5. Install the Anti-bacterial filter.

6. Do not purge the air with refrigerants but use a vacuum pump to vacuum the installation.

**8. DISPOSAL OF OUTDOOR UNIT/DRAIN WATER**

1. After finishing the heat exchanger, fit the Indoor/Outdoor unit Installation Diagram.

2. Dispose of the wired unit, controller, or any other parts.

3. Connect the anti-bacterial filter to the indoor unit.

4. Check the drainage out of the Anti-bacterial filter.