MITSUBISHI ELECTRIC

<Outdoor unit>
PAC-SJ83DP-E

Mitsubishi Heat Pump Outdoor unit Optional Parts
Installation Manual for Centralized Drain Pan

SAFETY PRECAUTIONS

- Carefully read this section 'Safety Precautions', and securely install the optional parts.
- Be sure to observe the cautions described here: They include critical contents for safety.
- The following indications show the classifications for danger, and possible consequences following incorrect handling.

⚠WARNING	Incorrect handling could lead to death or serious injury.
⚠CAUTION	Incorrect handling could lead to injury or damage to house and household articles.

- After installation, perform a test run and make sure that there is no abnormality, and ask your customer to keep this installation sheet with the installation manual at all times. Also ask the customer to transfer these manuals to a new user if the user changes.

⚠WARNING

Ask the dealer or specialist for installation.
- If installed incorrectly by user, water leak, electric shock, fire, etc. could result.

Carefully install the optional parts according to this installation sheet.
- Incorrect installation could cause water leak, electric shock, fire, etc.

Before performing installation (moving) and electrical work

⚠CAUTION

Do not place polyethylene bags in reach of young children.
- Putting them over the head will block breathing passages, which could result in suffocation.

If electrical work is necessary, use only specified electric wires adapted with current capacity.
- Use of unsuitable wire could cause electric leak, overheating or fire.

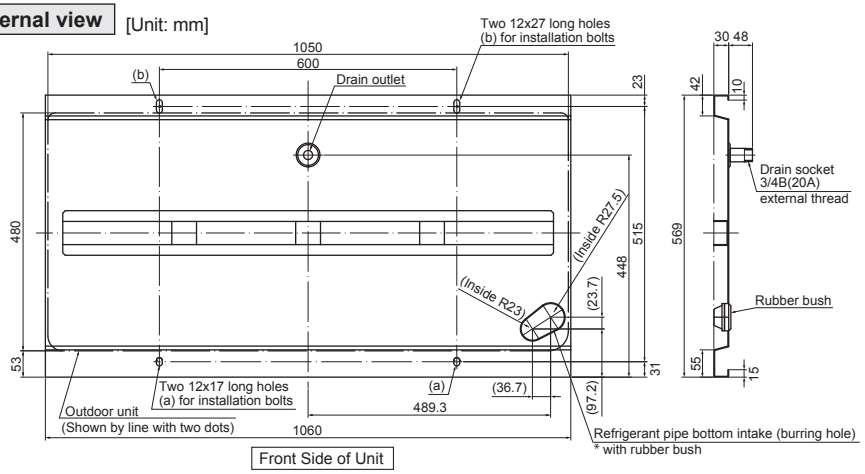
Securely apply heat-insulation to refrigerant pipe so that no condensation occurs.
- If heat-insulation is inadequate, condensation could occur on the surface of pipes and dewdrops could accumulate on ceiling, floor or important goods.

Securely perform drain piping work according to the installation manual so that no condensation occurs.
- If piping work is incorrect, water leak may occur and ceiling, furniture, etc may get wet.

This drain pan is used to drain water when outdoor unit is installed on a frame placed in passage.
Be careful of the following when installing the drain pan:
1) Do not use the drain pan in a cold place. The drain pipe could freeze.
2) Since the drain pan is installed between the frame and the outdoor unit, the outdoor unit will be 30 mm higher.
3) Install the drain pan so that the drain outlet faces the rear of the outdoor unit.
4) Install the drain pan with the rear slightly lower (installation angle of 0.5°–1.5°) so that no water accumulates in the front of the drain pan.

1 External view

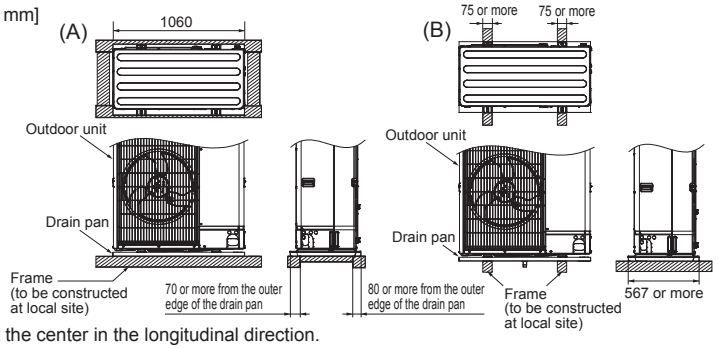
[Unit: mm]



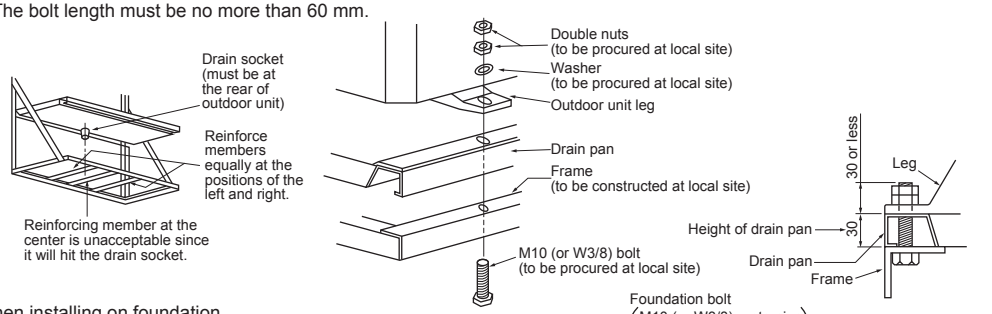
2 Installation procedure

[Unit: mm]

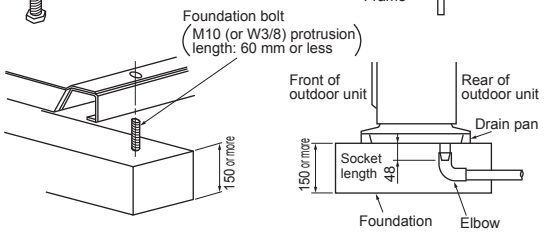
(1) When installing on an installation frame constructed at a local site.
- Ensure that the installation frame has the necessary area for the drain pan.
- Refer to figures (A) and (B) right for the necessary area.
- Securely install the outdoor unit and drain pan so that they cannot fall or drop as a result of an earthquake, strong wind, etc.



1) The drain socket of drain pan is at the center in the longitudinal direction.
When constructing the installation frame, be careful that no part of the frame interferes with the socket.
2) The drain pan is tightened with the outdoor unit.
Punch approx. ϕ13 holes in the installation frame at pitches to install the outdoor unit.
3) Fix the frame, drain pan and outdoor unit together to join them firmly (at the 4 points) as shown in the figure below.
The bolt length must be no more than 60 mm.

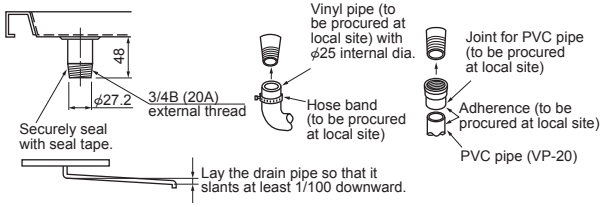


(2) When installing on foundation
- Since concentrated drain disposal is necessary, make the foundation at least 150 mm high measured from the ground as shown in the figure right.
If it is less than 150 mm, drain piping will not be possible because the drain socket protrudes 48 mm.



3 Drain piping

(1) When connecting steel pipe:
Connect 3/4B internally threaded pipe.
(2) When connecting vinyl pipe (soft):
Use a ϕ25 mm internal dia. pipe, and fix the connected section with a hose band, etc.
(3) When connecting PVC pipe (hard):
Use VP-20 and connect with a joint for PVC pipe.
Note: In all cases, seal the socket threaded section securely with a seal tape, etc., and make sure that water does not leak.



4 Refrigerant piping

- The refrigerant pipe can be laid in from four directions: front, right, rear and bottom. When laying, be sure to perform the following:

(1) Piping from the bottom:
Cut out the rubber bush to match the thickness of refrigerant pipe insulator.
Pass the refrigerant pipe through the rubber bush and fit it into the burring hole.
Seal it with adhesive (Prepare in the field) to prevent water leak.
(2) Piping from other directions:
Block the burning hole of the bottom piping section in the drain pan with rubber bush.
Seal it with adhesive (Prepare in the field) to prevent water leak.