MITSUBISHI ELECTRIC
COOLING & HEATING

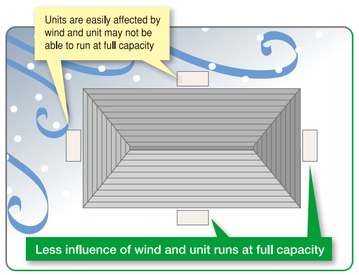
# 3 Important Points to Remember When Installing the Outdoor Unit

Follow these recommendations to ensure full capacity and proper defrost in cold and snowy regions

Wind and snow can significantly reduce capacity and the defrost efficiency. Below is a quick install guide for cold weather applications.

## 1 Installation location

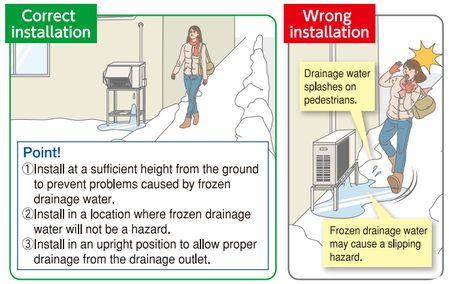
Be aware of the prevailing wind direction in winter and install the outdoor unit where it is sheltered from the wind when possible. When not possible, it is recommended to use an accessory wind baffle




## 2 Measures for drainage of water

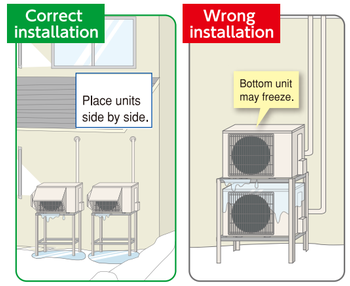
### Case 1 : Unit installed near walkway

Do not install the unit near a walkway as the drainage water can freeze causing a slip hazard

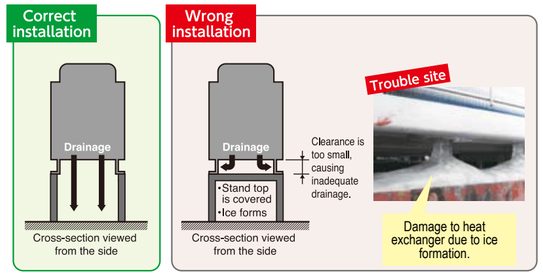



### Case 2 : Multiple units are installed

Do not install units on top of one another as it may cause frozen drainage water on the bottom unit.




Use a stand with a steel framework that allows water to drain properly. The width of the stand's base must not exceed the width of the unit.

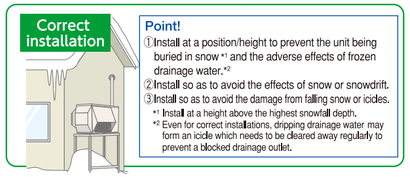



## 3 Measures for snow

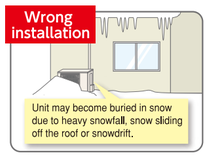
M&P Series

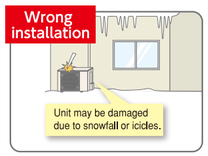
### Unit is installed on the ground

To avoid the adverse effects of snow, ice and defrosting issues, install the unit on a stand to ensure a sufficient height from the ground



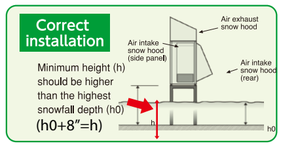


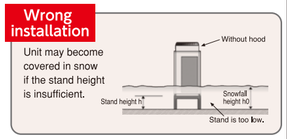




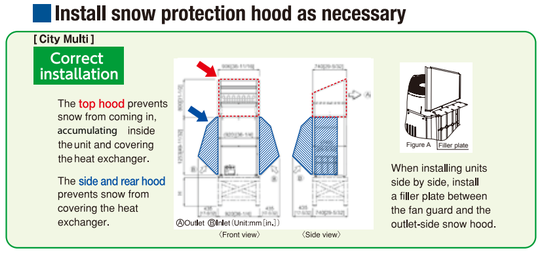
Use a stand to add sufficient height to protect the unit's heat exchanger from snow and prevent icicles forming during defrost operation.




### Install snow protection hood as necessary

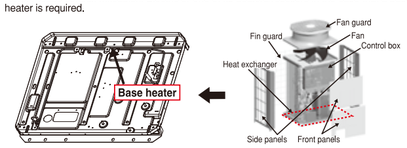
[ City Multi ]





### Necessity of accessories (drain socket & centralized drain pan, stand, snow protection hood, base heater)

| | Snowy region | Cold region | Remarks |
|---|---|---|---|
| | Countermeasures for snow | Countermeasures for freezing | |
| Drain socket, Centralised drain pan | Not used | Not used | Prevents freezing |
| Stand | Needed | Needed | 1.Install so as to prevent the unit being buried in snow (at a height greater than the highest snowfall depth). Be sure that the stand does not obstruct drainage.<br>2.Install so as to prevent damage to the unit due to frozen drainage water (icicles).<br>Use a stand with a steel framework that allows water to drain properly. The width of the stand's base must not exceed the width of the unit.<br>Clearance to prevent snow accumulating.<br>〈Correct〉 |
| Snow protection | Needed<br>※When the installation position is subject to snowfall. | — | 1. Prevents heat exchanger from being covered in snow.<br>2. Prevents snow accualating inside the air duct |
| Base heater | Needed | Needed | Outdoor units equipped with a heater for cold regions are those with an "H" in the model name. For the cold-climate zone, use of a unit with a heater is strongly recommended. Even for the moderate-climate zone use of a unit with a heater is recommended for regions subject to high humidity in winter.<br>[City Multi]<br>The base heater prevents damage to the heat exchanger and pipes which may be caused when the base of the unit freezes. Place the base heater along the groove on the unit base and secure with brackets.<br>Note: Please consult Mitsubishi Electric or one of its dealers/resellers in the case that a base heater is required. |




## Caution! About disposal of drainage water

When the unit is installed in cold or snowy regions :

**Drainage water may freeze in the drain socket/hose and prevent the fan from rotating.**

**Do not attach a drain socket packaged as an accessory to the unit.**

※In the case that fitting a drain socket is absolutely necessary, steps must be taken so that the drainage water does not freeze.

For more information, please consult Mitsubishi Electric or one of its dealers / resellers.