

1. Selecting the Installation Site

[1] Installation Conditions

Select the installation site in consultation with the client.

Select a site to install the outdoor unit that meets the following conditions:

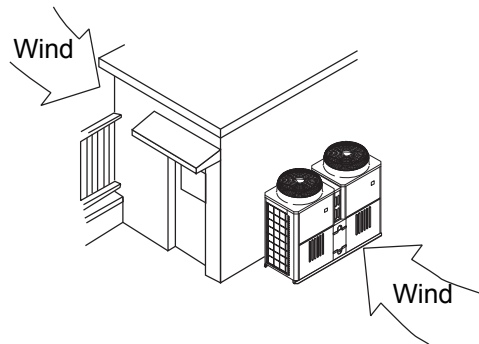
- The unit will not be subject to heat from other heat sources.
- The noise from the unit will not be a problem.
- The unit will not be exposed to strong winds.
- Water from the unit can be drained properly.
- The space requirements (specified on pages 7 through 9) are met.

<1> Providing protection against winds

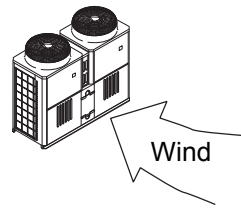
Using the figures at right as a reference, provide adequate protection against winds.

A unit installed alone is vulnerable to strong winds. Select the installation site carefully to minimize the effect of winds.

When installing a unit in a place where the wind always blows from the same direction, install the unit so that the outlet faces away from the direction of the wind.



- Install the outdoor unit in a place where it is not exposed to direct wind, such as behind a building.



- Install the outdoor unit so that the outlet/inlet faces away from the wind.

<2> Cold Climate Installation

Observe the following when installing the units in areas where snow or strong winds prevail.

- Avoid direct exposure to rain, winds, and snow.
- Icicles that may form under the foundation can fall and inflict personal injury or property damage. Select the installation site carefully to reduce these risks, especially when installing the unit on a roof.
- If the units are installed in the direct line of rain, winds, or snow, install the optional snow hood (on both the discharge and suction ducts). Use a snow net or snow fence as necessary to protect the unit.
- Install the unit on a base approximately twice as high as the expected snowfall.
- If the unit is continuously operated for a long time with the outside air temperature below the freezing point, install a heater at the base of the unit to prevent the water from freezing at the unit bottom.

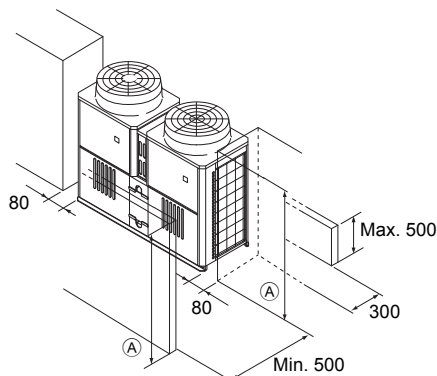
[2] Installation Space Requirements

<1> Single unit installation

Secure enough space around the unit as shown in the figures below.

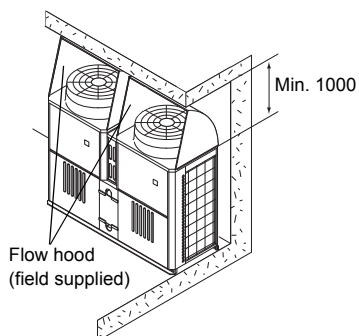
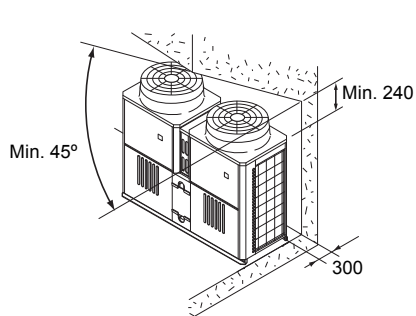
<Unit: mm>

(1) Walls around the unit do not exceed the height limit.



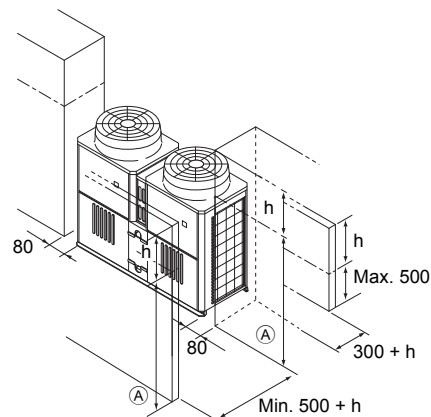
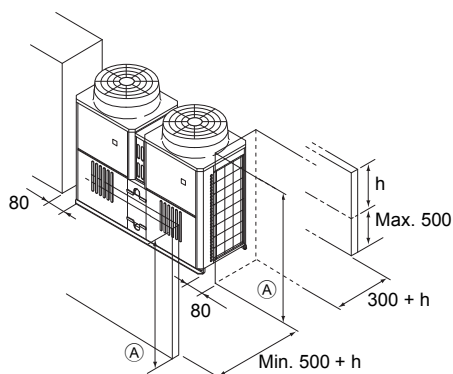
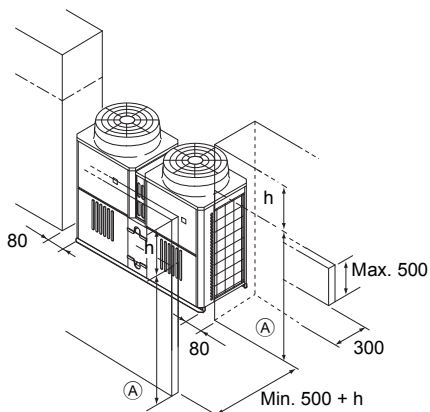
(A) Walls are lower than the unit's height.

(2) There is a wall above the unit.



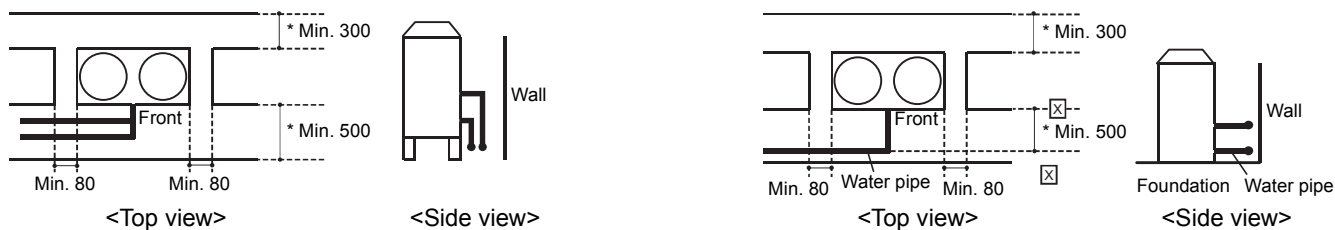
Flow hood
(field supplied)

(3) One or more of the walls around the unit are taller than the maximum allowable height <h>.



(A) Walls are lower than the unit's height.

(4) Water pipe installation



Leave a space of at least 500 between the unit and the water pipe if it is not possible to install the unit on a raised foundation. (See ☒ in the figure.)

<2> Grouped and side-by-side installation

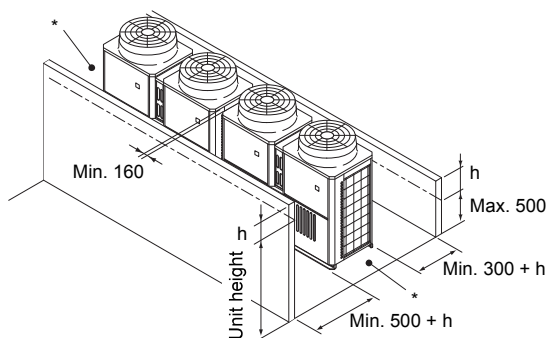
When multiple units are installed adjacent to each other, allow enough space for air circulation and a walk way between groups of units as shown in the figures below.

* Leave both sides of each group of units open.

As with individual installation, if the wall height exceeds the height limit, widen the space in the front and the back of a given group of units by the amount that exceeds the limit (labeled <h> in the figure).

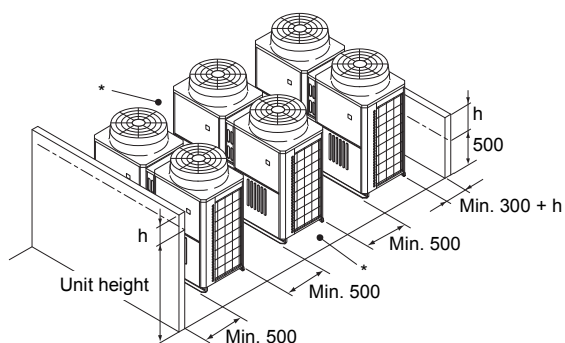
<Unit: mm>

(1) Side-by-side installation

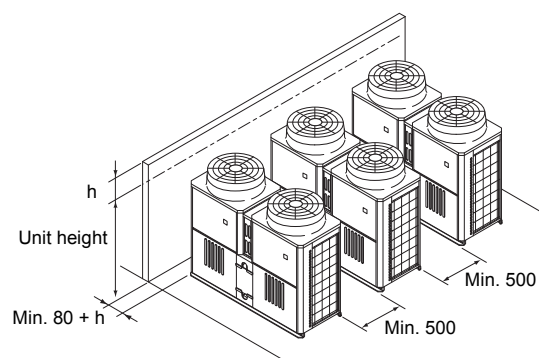


(2) Face-to-face installation

- There are walls in the back and the front of a given group of units.

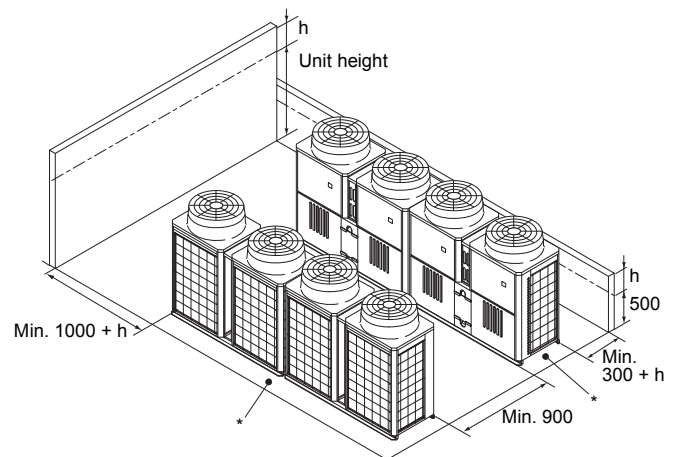
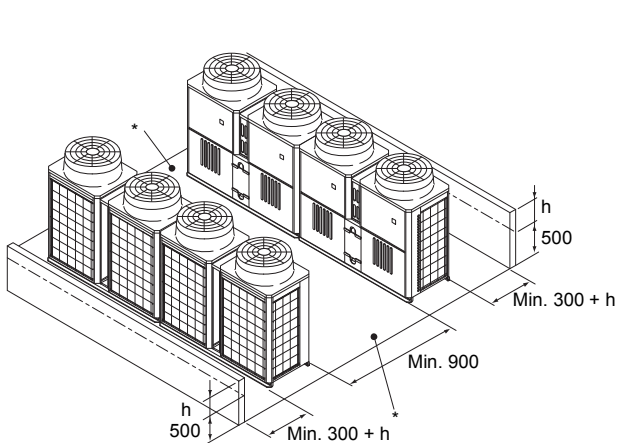


- There is a wall on one side.



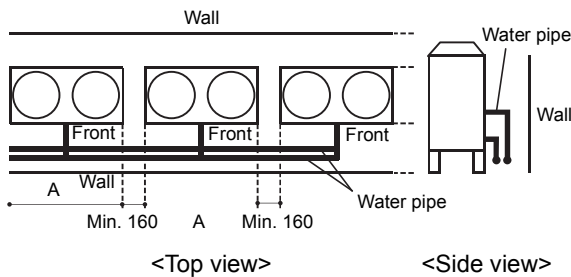
(3) Combination of face-to-face and side-by-side installations

- There are walls in the back and the front of a given group of units.
- There is a wall on one side and either the front or the back of a given group of unit.



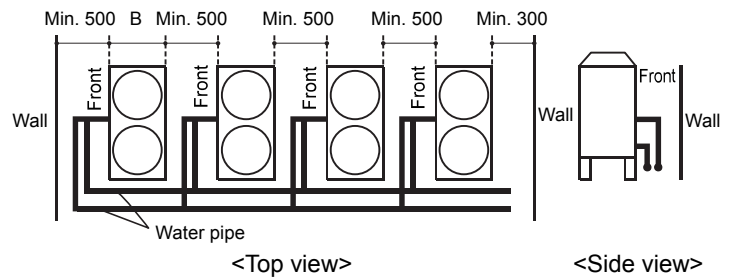
(4) Water pipe installation

Pattern A



If the product width (labeled A in the figure) times the number of units that are installed side by side exceeds 6 m, leave a space of 1000 mm between each block. Each block is defined as a group of units that fit within 6 m.

Pattern B



If the product depth (labeled B in the figure) times the number of units that are installed in rows exceeds 6 m, leave a space of 1000 mm between each block. Each block is defined as a group of units that fit within 6 m.