Required installation space

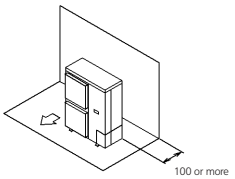
The unit of the values is mm.

1. Where there is an obstacle on the suction side

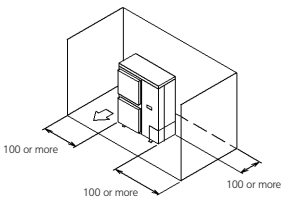
(a) No obstacle above

1 Stand-alone installation

- Obstacle on the suction side only.

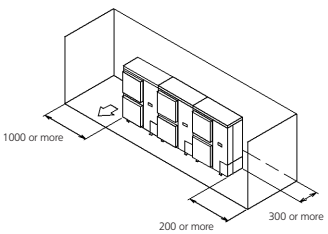


- Obstacle on both sides.



2 Series installation (2 or more).

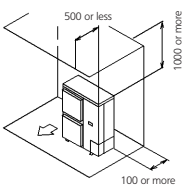
- Obstacle on both sides



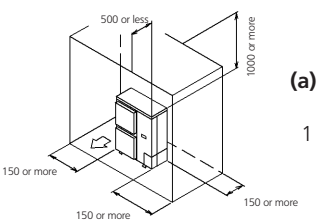
(b) Obstacle above, too.

1 Stand-alone installation

- Obstacle on the suction side,.

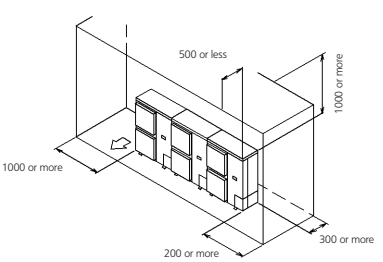


- Obstacle on the suction side and both sides.



2 Series installation (2 or more).

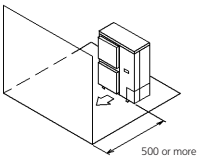
- Obstacle on the suction side and both sides.



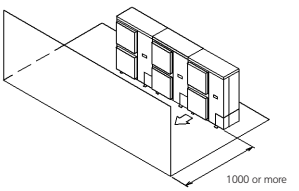
(2) Where there is an obstacle on the discharge side

(a) No obstacle above

(1) Stand-alone installation

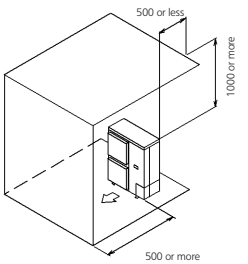


(2) Series installation (2 or more)

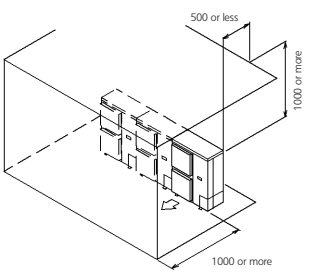


(b) Obstacle above, too.

1 Stand-alone installation



2 Series installation (2 or more).



3. Where there are obstacles on both suction and discharge sides:

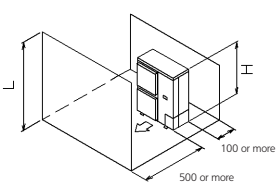
Pattern 1

Where the obstacles on the discharge side is higher than the unit.
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above.

1 Stand-alone installation.

L > H



2 Series installation (2 or more).

L > H

