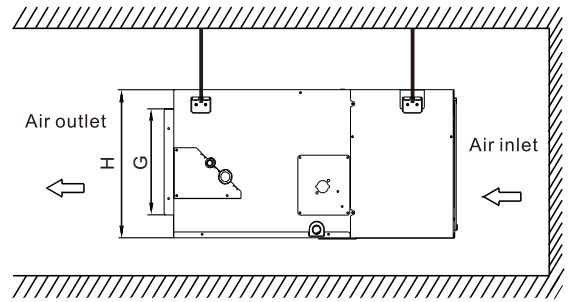
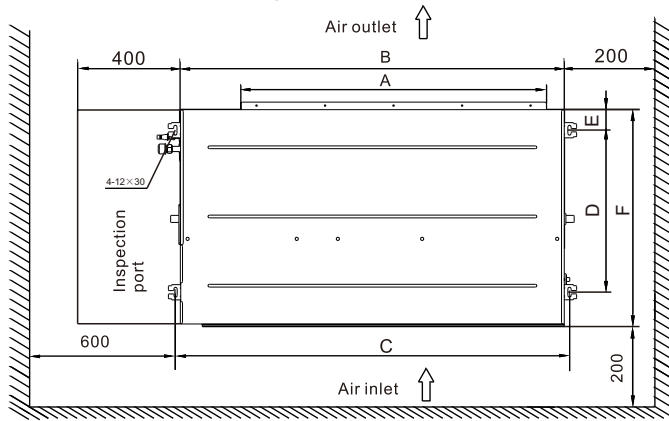


# ★ Installation

## ■ The location of hoisting bolt

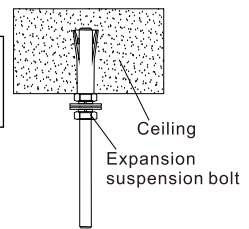


| Model                            | A   | B    | C    | D   | E  | F   | G   | H   |
|----------------------------------|-----|------|------|-----|----|-----|-----|-----|
| 18000BTU<br>24000BTU<br>36000BTU | 652 | 890  | 927  | 510 | 75 | 700 | 202 | 290 |
| 48000BTU<br>60000BTU             | 967 | 1250 | 1287 | 510 | 75 | 700 | 185 | 290 |

## ■ The suspension drawing of indoor unit

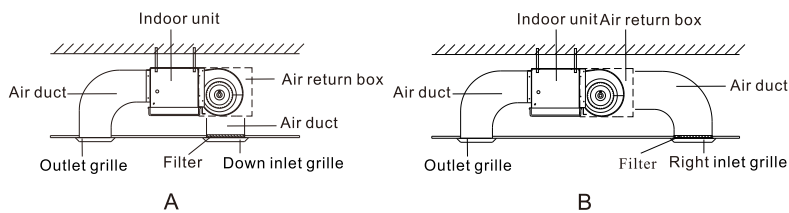
**Warning**

Must seriously fasten bolts and nuts. The loosening would lead to air conditioner falling and so on.



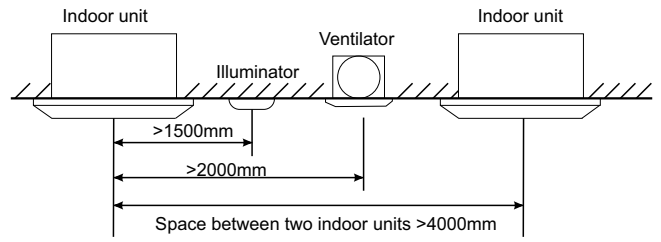
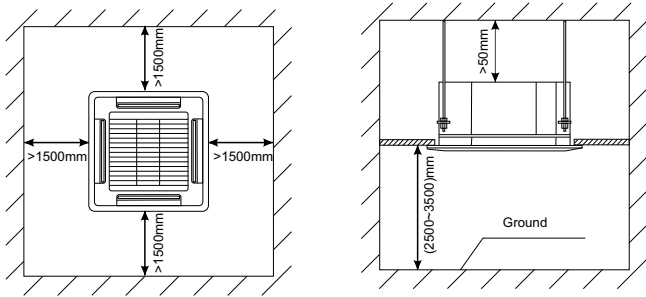
## ■ Installation of Duct

There are two installation methods of duct, as follows.



# Installation of Ceiling cassette split air conditioner unit

## ■ Select installation site



## ■ The dimension of indoor unit

Ceiling cassette split air conditioner unit have two kinds of shapes, Fig A and Fig B. Please choose the size according to the shape.

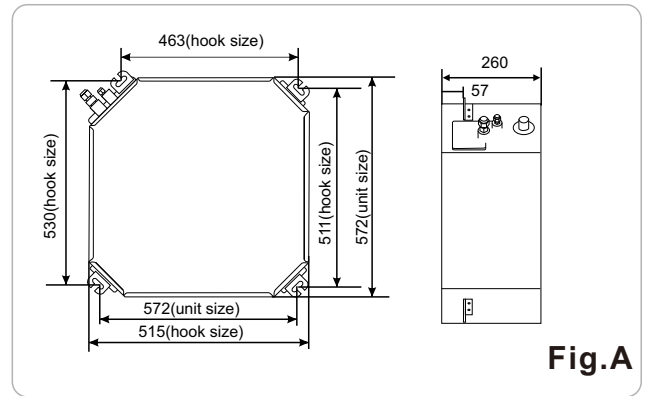


Fig.A

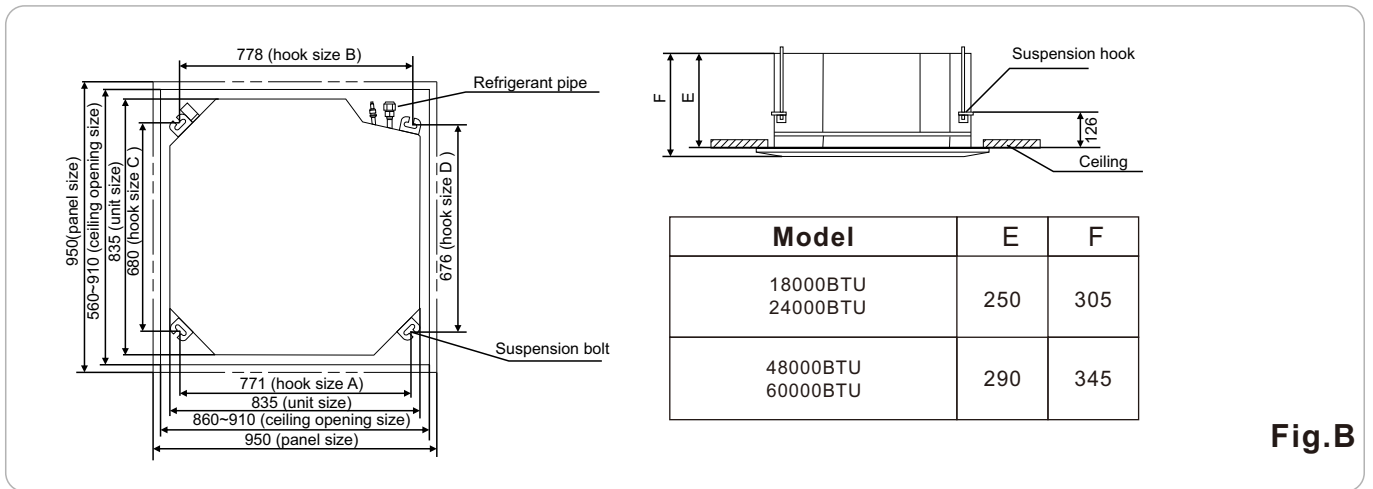
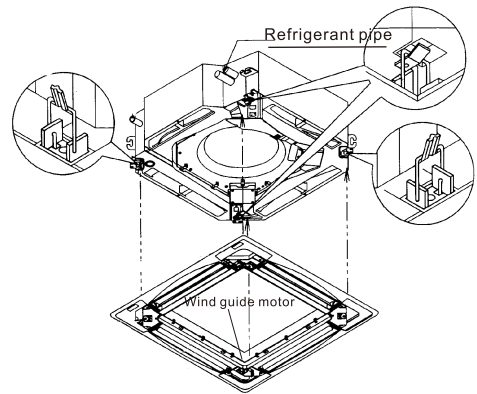
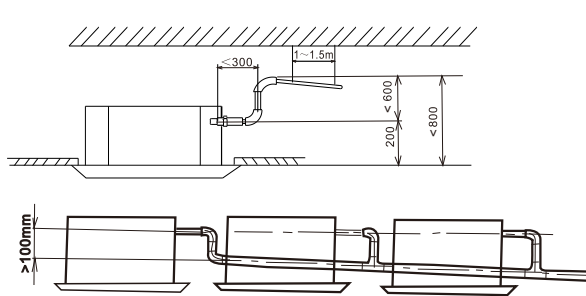


Fig.B



that of the opening in the ceiling.

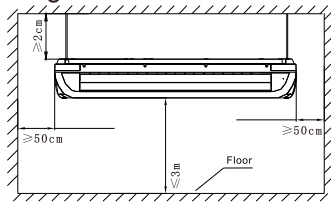


# Installation of Ceiling & Floor Air Conditioner Unit

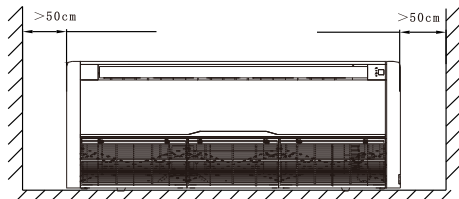
## ■ Select installation site

### - Ceiling & Floor Air Conditioner Unit

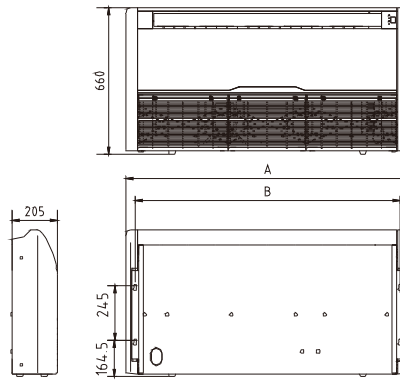
#### 1. Ceiling Installation



#### 2. Wall-Mounted Installation



## ■ The dimension of indoor unit



Unit: mm

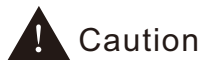
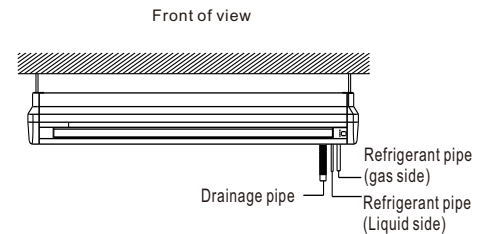
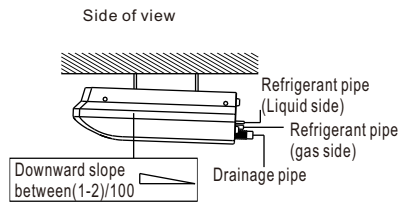
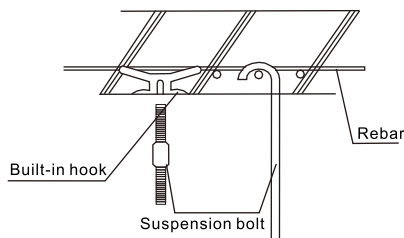
| Model                | A    | B    |
|----------------------|------|------|
| 12000BTU<br>18000BTU | 929  | 841  |
| 24000BTU<br>36000BTU | 1280 | 1192 |
| 48000BTU<br>60000BTU | 1631 | 1543 |

## ★ Installation

There are two ways of indoor unit installation: ceiling and floor.

### ■ Ceiling installation

1. Select the suspension foundation  
The suspension foundation is a structure of either wooden frame or reinforced concrete. It must be firm and reliable to bear the weight of more than 200kg and capable of bearing vibration for long periods.
2. Fixing of suspension foundation  
Fix the suspension foundation bolts either as shown on the right or by a steel or wooden bracket.
3. The suspension of indoor unit  
the indoor unit should be suspension as shown below:
  - ① Adjust the relative positions of the suspension hooks .
  - ② Tighten the nuts and ensure that the hooks are tightly connected to the nuts and shims.
  - ③ After the unit is installed ensure it is secure and does not shake or sway.

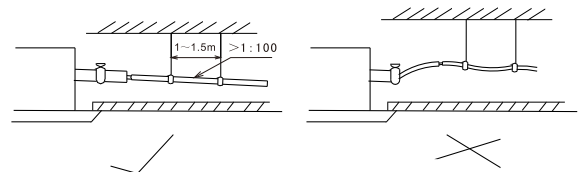


**Caution**

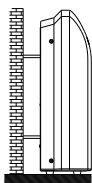
1. In order to ensure the drainage water come out successfully, the unit must be declined to the bottom side of unit when finished installation.
2. Please make sure the front side higher, otherwise it may cause drainage come out from the air outlet.

#### 4. Installation of drainage pipe

- ① The drain pipe should be properly insulated to prevent the generation of condensation.
- ② Pipes it should be installed with a downward gradient(1/100~150) to allow the water to drain away.
- ③ The pipe should not rise at any point.



### ■ Wall-Mounted Installation

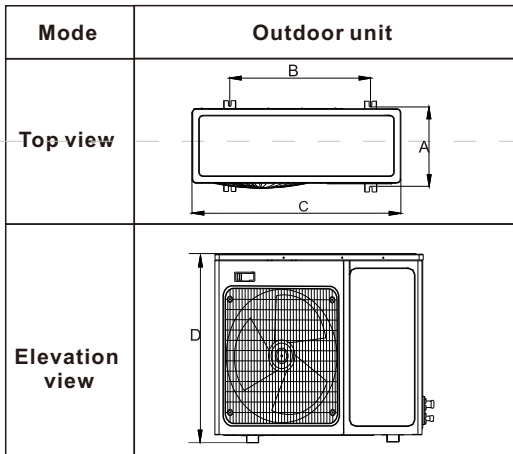


**Caution**

The unit must be horizontal or declined to drain hose when finished installation

## Installation of outdoor unit

### ★Outdoor Unit Dimensions



| Model    | A   | B   | C   | D    |
|----------|-----|-----|-----|------|
| 12000BTU | 280 | 540 | 725 | 545  |
| 18000BTU | 315 | 545 | 800 | 545  |
| 24000BTU | 335 | 540 | 825 | 655  |
| 36000BTU | 409 | 675 | 970 | 803  |
| 48000BTU | 364 | 625 | 940 | 1320 |
| 60000BTU |     |     |     |      |

### ★Select installation site

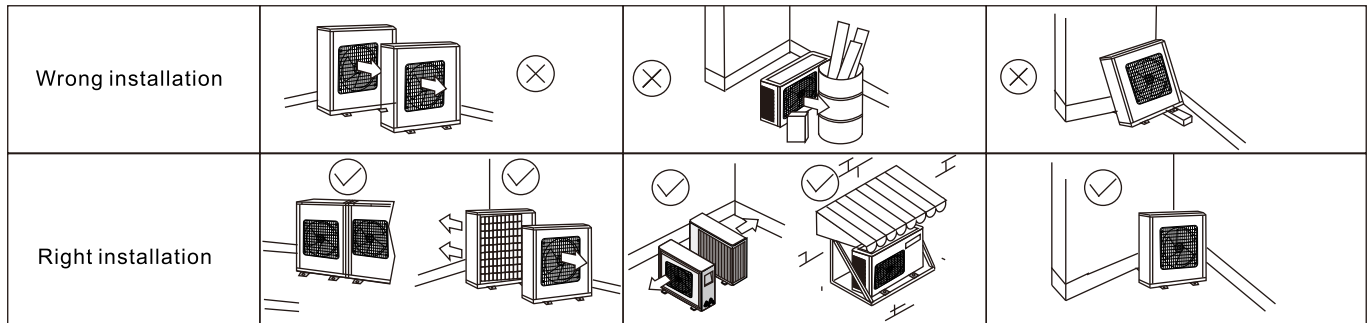
■Where you site the outdoor unit will have a direct affect upon its performance.

In order for the outdoor unit to operate at its best you should carefully follow these instructions.

In particular “short cycling” (allowing discharge air to return to the rear of the unit) should be avoided as this will significantly reduce the cooling and heating performance.

1. The discharge air which is expelled from the front of the unit should not be allowed to short cycle and return back to the unit.
2. Ensure there is ample space around the unit for service and maintenance.
3. Ensure the unit is installed on the level. Do not allow a slope of more than 5°.

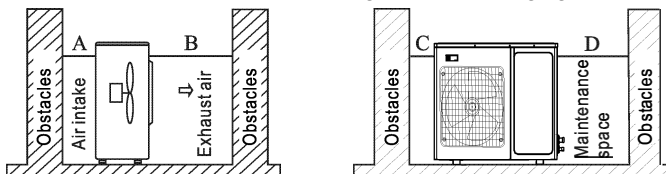
■The following figures show the right installation and wrong installation:



### ★Installation space

After the installation site is selected the outdoor unit should be installed according to the following drawing in order to ensure adequate space for ventilation and correct maintenance of the outdoor unit.

Please reserve the space according to the following figure:



|                |   |
|----------------|---|
| <b>Caution</b> | Requirement:                                    |
|                | A > 300mm; B > 1500mm;<br>C > 300mm; D > 500mm; |