

Drainage should be natural. When constructing, the outside pipe of outdoor unit should be inclined (1/50~1/100).

The bending part of drainpipe should be fewer than 2. Furthermore, to reduce the depositing dust, avoid bending the pipe as possible as you can.

Make sure there is no dust or rubbish falling into indoor unit drain elbow and drainpipe.

After installation, remove the checking panel, pour some water in the drain elbow to see whether it drains smoothly.

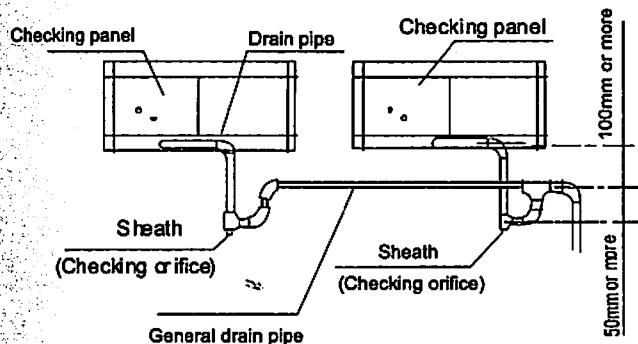


Fig.3-11

CAUTION

Rubbish is easy to accumulate at drain stream trap. Make sure to install a plug or other things which is easy to clean.

2. Test draining

Open the clapboard of indoor unit, pour the water in to see whether it drain smoothly and whether there is water leakage.

3. Heat insulation

After confirming that drainage is smoothly and there is no leakage, wrap the drainpipe with insulation material, or there will be condensed water.

3.6 Dimension (Unit:mm)

- MTA2-76H(C)R
- MTA2-96H(C)R
- MTA1-120H(C)R
- MTB-76HWN1、MHB-76HWN1
- MTB-96HWN1、MHB-96HWN1
- MTB-120HWN1

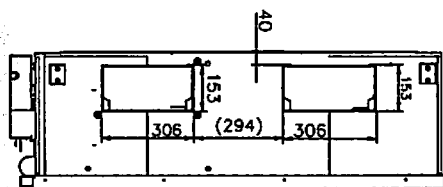


Fig.3-15

Air outlet duct connection screw hole location diagram

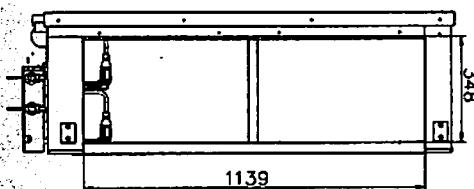
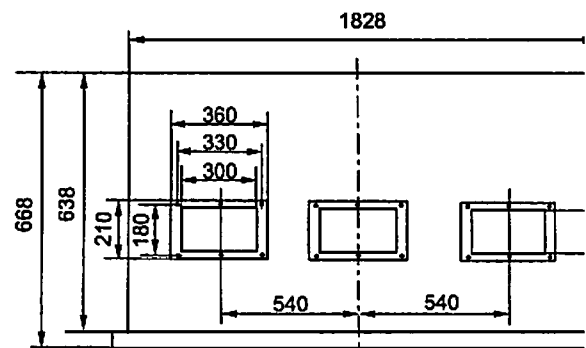


Fig.3-16

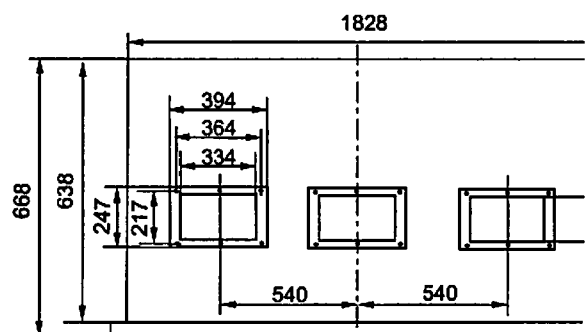
Return air duct rivet screw hole location diagram



Air outlet duct connection screw hole location diagram

MHA1-150H(C)R
MAC-150HN1

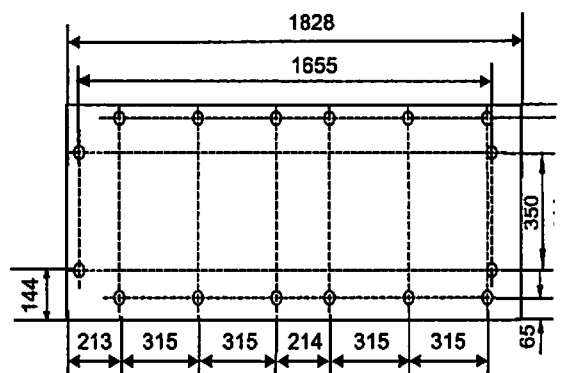
Fig.



Air outlet duct connection screw hole location diagram

MHA1-192H(C)R/MAC-205HN1

Fig.

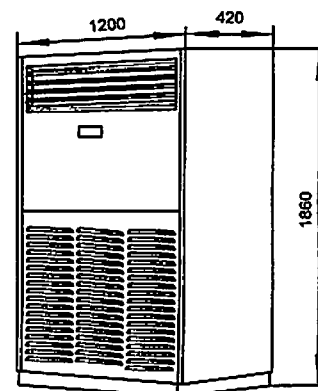


Return air duct rivet screw hole location diagram

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3. INSTALLING INDOOR UNIT (F

- Outline of the unit



(Unit:mm)

For ensure the proper installation.
Select the enough solid and level site.
Ensure enough space required for installation and maintenance.

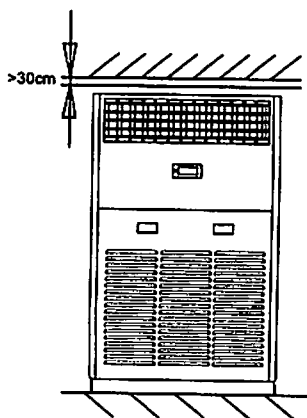


Fig.3-2

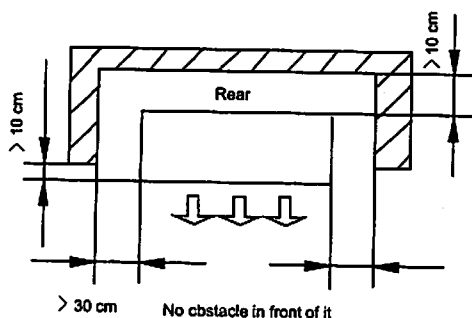


Fig.3-3

For anti-fall down, please conduct the follow measures:

See Fig.3-4 to fix the feet on the floor after select a proper place for installation, since the height of this unit casing is very high.

The right and left sides as well as rear can be fixed, please select the unit fixed measure as per to your actual installing ambient.

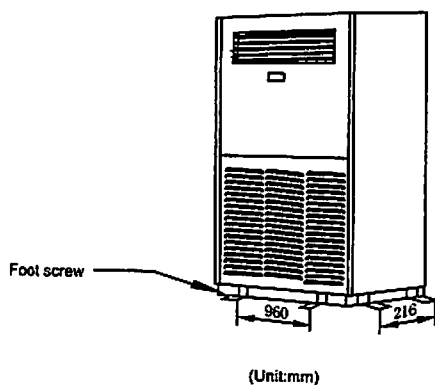


Fig.3-4

Put down the air intake panel, before electric connection, see Fig.3-5:

Uncover the screw-cap in the air intake panel, and then loosen the screws.

Take off the air intake panel, ensure which place secure enough will not make risk to the other people.

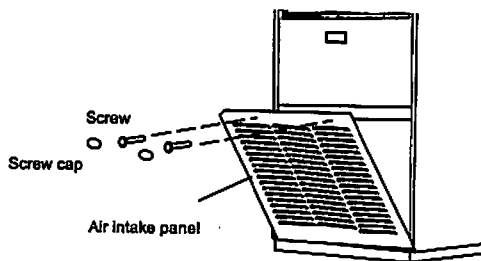


Fig.3-5



NOTE

- Please beware of the foot screw, which may be hurt for the pass-by people, make sure enough security of that, prevent accident occur.

4. INSTALLING OUTDOOR UNIT

4.1 Important: Construction Checkpoints

- **Installation**
Check the model and name to avoid mistaken installation.
- **Refrigerant pipe**
 - The refrigerant pipes must have the specified diameter.
 - Nitrogen of a certain pressure must be filled into the refrigerant pipe before welding.
 - The refrigerant pipe must undergo heat insulation treatment.
 - After the refrigerant pipe is installed completely, the indoor unit cannot be powered on before performing the airtight test and creating a vacuum.
- **Refrigerant pipe**
The refrigerant pipe must undergo the airtight test [with 2.94MPa (30kgf/cm²G) nitrogen].
- **Creating a vacuum**
Be sure to use the vacuum pump to create a vacuum of the connective pipe at both air side and liquid side concurrently.
- **Refrigerant replenishment**
 - If the pipe is longer than the reference pipe, the refrigerant replenishment quantity for each outdoor unit should be calculated through the formula obtained according to the actual length of the pipe.
 - Record the refrigerant replenishment quantity, actual length of pipe and the height difference of the indoor & outdoor units onto the operation confirmation table (on the electric control box) of the outdoor unit in advance for future reference.
- **Electric wiring**
 - Select the power supply capacity and wire size according to the design manual. The power wire size of the air conditioner should be greater than that of ordinary motors.
 - In order to prevent misoperation of the air conditioner, do not interleave or entwine the power cable (208 230V 3N~ 60Hz) with the connection wires (low-voltage wires) of the indoor/outdoor unit.

For ensure the proper installation
Select the enough solid and level site.
Ensure enough space required for installation and maintenance.

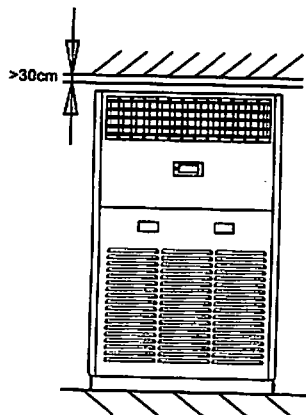


Fig. 3-2

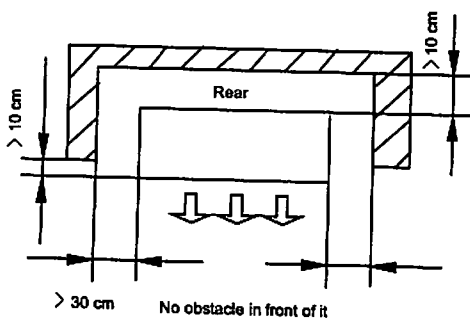


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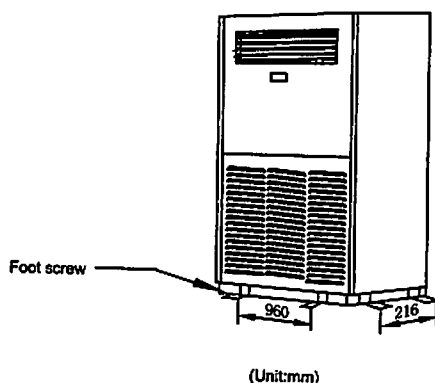


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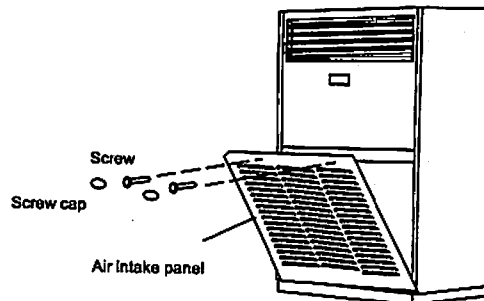


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