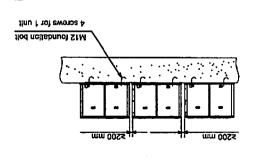
outdoor units. As shown in Fig.4-4, leave an interval of 100mm between the

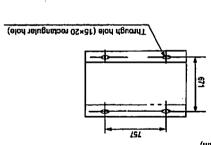


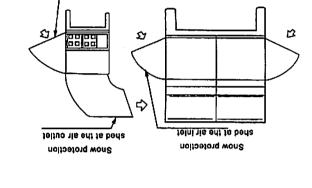
4-4.817

The distance of the foundation bolt is shown in Fig.4-5.

č-4.gi∓

tion sheds at the air inlet and air outlet. caused by snow, set up raised pavilion, and install snow protecincomplete, faults may occur), in order to prevent influence (See the right figure) (in case the snow protection facilities are Snow protection facilities must be installed in the snowfall areas.



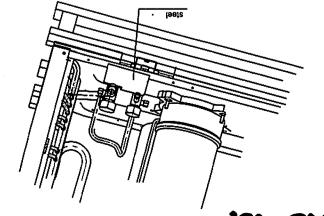


shed at the air inlet Snow protection

6-4-6i

4.5 Refrigerant Pipe

- So remove the right front board first. (three M5 screw) The refrigerant pipe adapter is located inside the outdoor unit.
- led out through the right front board. ■ When the pipe is connected from the front side, the pipe can be
- fisme burning the chassis. connective lines, pad a sheet metal under the valve avoids the As shown in Fig.4-7, when brazing the indoor and outdoor

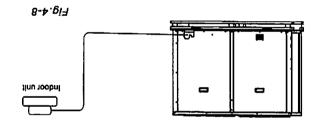


7-4.8i7

NOTE

oxidized chips may block refrigerating circulatory system. oxidation of the pipe, nitrogen must be filled in. Otherwise, the When welding the refrigerant pipe, in order to prevent internal

Methods 4.6 Size Of Outdoor Unit Pipes And Piping



Size of outdoor unit pipes and piping methods

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ζ 9.6φ	O. <u>SS</u> ф	MIYAZƏH(C)RMI MHBYBH(C)RMI MHBYBH(C)RMI MHBYBH(C)RMI MHBYBH(C)RMI
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	φ25.0	A(O)HBB:ATM
	(m0&s_1 rttgnei eqiq)0.2S\phi	A(O)HDTEAN
	φ22.0	RIOHANATIN Rogeratin
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4 INSTALLATING 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 (380V-415V 3N~ 50Hz) with the connection wires (low-voltage wires) of the indoor/outdoor unit.
- Power on the indoor unit after performing the airtight test and making a vacuum.

Trial ruń

Perform the trial run only after the cutdoor unit has been powered on for over 12 hours.

4.2 Installation Space

When installing the unit, leave a space for maintenance shown in the following figure. Install the power supply at the side of the outdoor unit. For installation procedure, see the relevant installation manual.

Ensure enough space for installation and maintenance.(see Fig. 4-1 and Fig. 4-2)

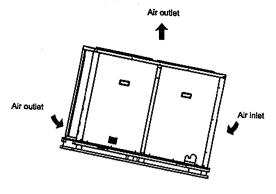
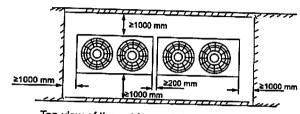


Fig.4-1

Installation & maintenance surface



Top view of the outdoor unit (multiple units installed)

Fig.4-2

NOTE

- In case any obstacles exist above the outdoor unit, such obstacles must be 2000mm above the outdoor unit.
- If miscellaneous articles are piled around the outdoor unit, such articles must be 400mm below the top of the outdoor unit.

4.3 Convey Outdoor Unit

- Use 4 steel ropes of a f6mm or bigger size to hoist the outdoor unit and convey it into the room.
- In order to prevent scratch and deformity the outdoor unit, apply a guard board to the surface of contact between the steel wire and the air conditioner.
- Remove the cushion for use in the transport after finishing the transport.

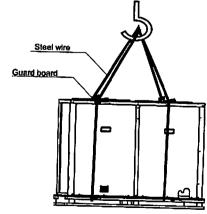


Fig.4-3

3.2 Floor type

Outline of the unit

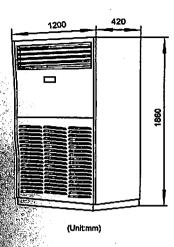


Fig. 3-20

I a installation

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

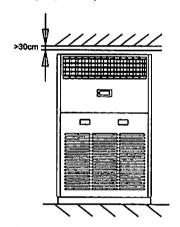


Fig. 3-21

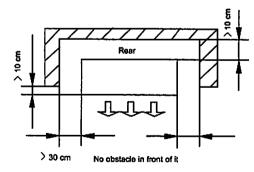


Fig.3-22

- For anti-fall down, please conduct the follow measures:
- See Fig.3-23 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 weel as rear can be fixed, please select the unit fixed measure as per to your actual installing ambient.

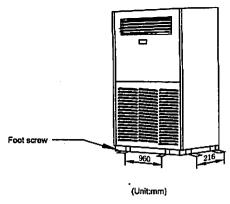


Fig.3-23

- Put down the air intake planel, brfore electric connection, see Fig. 3-6:
- Uncover the screw-cap in the air intake planel, and then lossen the screws.
- Take off the air intake panel, ensure which palce secure enough will not make risk to the other people.

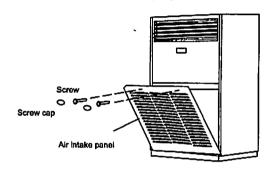


Fig.3-24

NOTE

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

3.5 Install the drainpipe

(1) Install the indoor unit drainpipe

install a drain stream trap in the drainpipe to prevent water from overflowing. (The drainpipeabsorbs the odor. When the outside static pressure is high (especially the air inlet),it is difficult todrain the

Drainage should be natural. When constructing, the cutside 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

Make sure there is no dust or rubbish falling into indoor unit drain

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

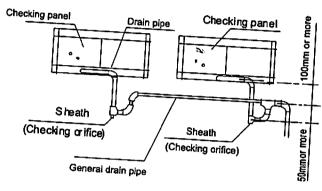


Fig.3-12



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

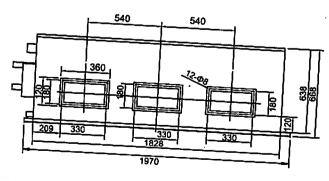
Open the clapboard of indoor unit, pour the water in to see whether it drain smoothly and whether there is water leakage.

(3) Heat insulation

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

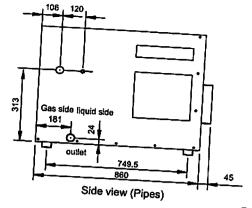
3.6 Dimension (Unit:mm)

MTA-120H(C)R MTA-150CR MTA-120H(C)RN1 MTA-150H(C)RN1



Front view (Air supply outlet)

Fig.3-13



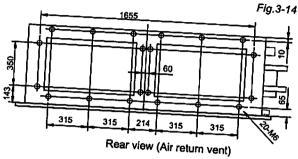
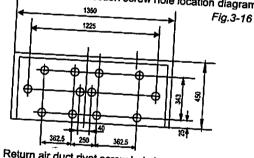


Fig.3-15

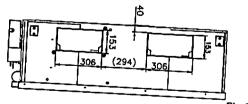
MTA-76H(C)R MTA-96H(C)R MTA-76H(C)RN1 MHB-76H(C)RN1 MHB-96H(C)RN1

Air outlet duct connection screw hole location diagram



Return air duct rivet screw hole location diagram Fig.3-17

MTBT-76H(C)RN1 MHBT-76H(C)RN1 MHBT-96H(C)RN1



Air outlet duct connection screw hole location diagram Fig.3-18

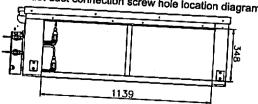


Fig.3-19

Return air duct rivet screw hole location diagram