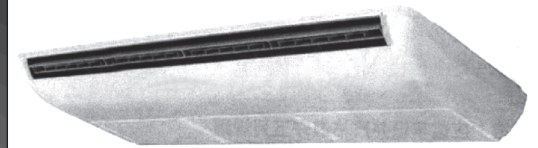


OPERATING AND
INSTALLATING INSTRUCTIONS
(WATER CEILING FLOOR)





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Safety precautions

- Before using the unit, do carefully read these “safety precautions” and use correctly. Since these cautionary items shown here are important for safety, be sure to observe them.
- Meanings of symbols used in this manual are as shown below

-  **Warning** Incorrect handling could cause a serious hazard, such as death, serious injury, etc, with a high probability.
-  **Caution** Incorrect handling could cause a serious hazard depending on the conditions.

Do read the symbols on the machine carefully.

When an abnormality, say, noise, smell, smoke, high temperature, leakage, fire occurs, turn off the breaker immediately, and contact with the customer service department. Do not repair it by yourself. If necessary pls contact the fire fighting department.

 Warning
Please do not install the unit by yourself. Do ask the professional installation man to install it, or may cause accident and affect the efficiency.
Lay people with professional guide can not disconnect the unit or may cause accident.
Using the unsettled water may cause scale, corruption. The company will not respond to the problem due to the bad quality water.
Do not use or store the flammable gas and liquid say fixture, paint, gasoline, or may cause fire.
Never put the electric breaker where it's easy to be touched by children, to avoid the hazard.
Never apply spray or liquid to the unit, or may cause hazard.
Do not touch the machine with wet hand, or may get an electric shock.
Use the standard wire when wiring, connect with the clip successfully. When wiring, pls keep shape correctly, do not make it rise do not make the wire caught by the electric box cover, or install incorrectly, or may cause tip-and-run, fire and so on.
Do not put the draining pipe in the gullet where there may be some harmful gas, containing sulfur, or the harmful gas may be led to the room.
The draining pipe should be installed correctly according to the instruction. It may cause leakage if installed incorrectly. During thunder storm, pls turn off the breaker, or the lightning may cause damage to the unit. When not use in long term, pls turn off the breaker, to avoid accident.

INSTALLATION

2. Installation

Before installing, pls read all the safety precautions.

Pls install the unit as requested in the manual.

Pls read the marks carefully before installing.



Warning

Pls do not install the unit by yourself, Do ask the professional installation man to install.

Any alteration of architectural construction in order to install the unit must comply with the architectural construction standard.

The unit should be installed in a roof or frame where is strong enough.

Pls use the appointed or standard wire.

According to the regulation and the installation, the installation of electric equipment must be finished by the technician who gets certificate.

Bearefull of the safety when installing

Never start the unit before finishing the installation.



Note

After finishing the installation, the installer should explain to the user hlow to operate and maintain the unit, according to the installation, and ask the user to read carefully and keep the instruction.

The installation place can not be at the area with high vdatile oil or contains sulfuric acid mist, or it may debase the performance of the unit or damage the spare parts.

Do use the standard fuse.

Confirm to use a ground electric leakage breaker.

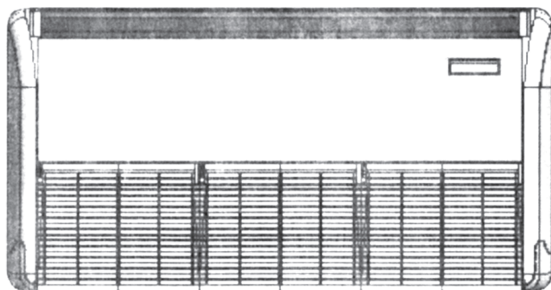
Confirm to install a ground wire.

If the unit installed to the metal part, pls make sure the electric insulation, and it must comply with the relevant date standard.

Installing the machine

3. Seven: Installing the machine

- The left space for the indoor unit



● Installing the indoor unit

1. Decide the open size of the ceiling according to the picture above.
2. The choice of hanging base

Hanging base should be the wooden frame and armoured concrete frame that are firm, dependable and can bear 200kg or more object.

The hanging base should bear a certain libration, and can keep it's firmness and bear a certain weight for a long term.

Before construction, pls consult the constructor and the decorator to confirm whether can install or not.

3. The fixup of the bolt.

Use the following method to fix the bolts or use hob and wooden frame to hang the bolt:

a: ceiling b: girder c: beam d: attic

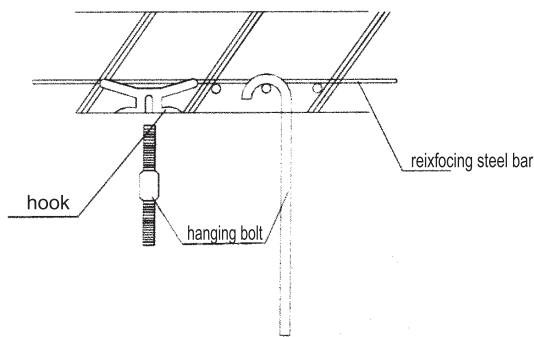
e: hanging bolt M10 (3/8")

f: reinforcing steel bar

g: hook that can bear 120kg or more.

When install to the ceiling,
pls notice:

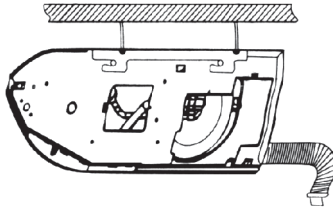
The ceiling must keep horizontal in order to avoid shakement, the ceiling must be reinforced.



Connecting the pipe

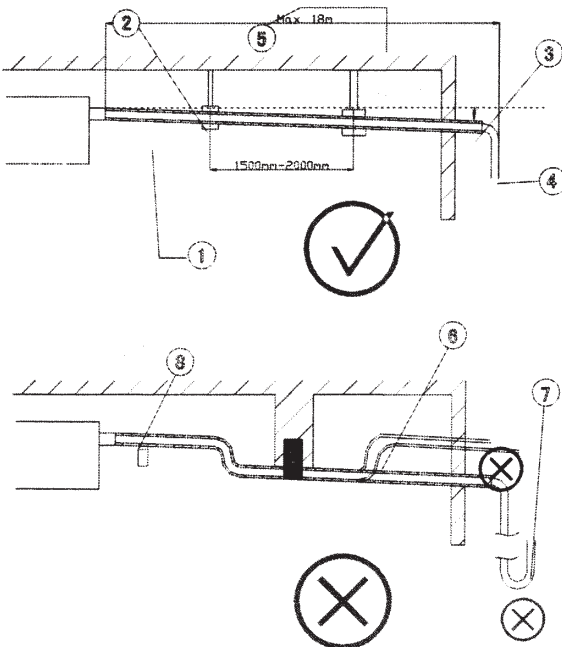
4. Connect the pipe

Connect frozen water pipe with the water inlet and water outlet pipe of the Coil with 3/4 inch outer worm nut, the connector for water in and water-out of the coil is as following drawing.



Connection of draining pipe

1. PVC pipe with 15mm inner diameter is needed and confirm downward slanting angle should be above 2%.
2. Connect draining pipe with adhesive glue, and tie the pipe with PVC blet.
3. Check every step of the connection.
4. Change the direction of air discharge in the pipe line by using conjoint tube.



- 1.heat insulation material
- 2.draining pipe support
- 3.mini slanting angle
- 4.drainage pipe
- 5.max distance of water
- 6.up and fold(not allowed)
- 7.sullage stimulator(not allowed)
- 8.air discharge port

Trial operation

5. Trial operation

● Preparation for trial operation

Before the trial operation, please check the above steps carefully including electric connection pipe connection and so on to make sure everything is ok.

● Air discharge of coil

At the first time the pipe line charged with water there is some air left at the top of the coil. So there is a manual air discharge the unwanted air, you need to rotate the valve tightly after there is a steady water flow.

● Trial

1. Connect to the power supply and turn on the AC.
2. Press wire controller buttons to set the fan motor speed to check the noise.
3. To check whether there is hot air or cold air coming out from the air outlet if there is hot water and cold water recycle in the system. If it is in the mode of cooling check whether there is condensing water drain out.
4. Press wire controller buttons to set cooling or heating mode based on the heat water and cold water recycle system to check whether the valve can normally work and there is heat or cold air coming out from the air outlet, if there is a electric water inflow valve at the water inlet pipe connector.
5. Press "SWING" button of the wire controller to check whether the guide louvers swing in order.
6. Turn off the unit once confirm that the unit works normally.

⚠ If the unit can not work in order, please solve the problem as below.

● Breakdown debar

Malfunction the flashes of indicator lights and function displaying board based on the following diagram.

	LCD display	Flash of LED lights
RT malfunction	E1r	1 per 8 s

Name of each part and function of the panel.



Note

Do not insert your hand or foreign object into the inlet or outlet of the indoor and outdoor unit, or the high speed fan may cause hazard.

Never make the air conditioner wet inside, or may cause short circuit or damage to the unit.

After cleaning the filter, do install the air inlet griller properly. Never leave it open for long time, or cause hazard.

In order to use this machine better, please use it based on the using conditions, or it may cause drippage and affect the efficiency.

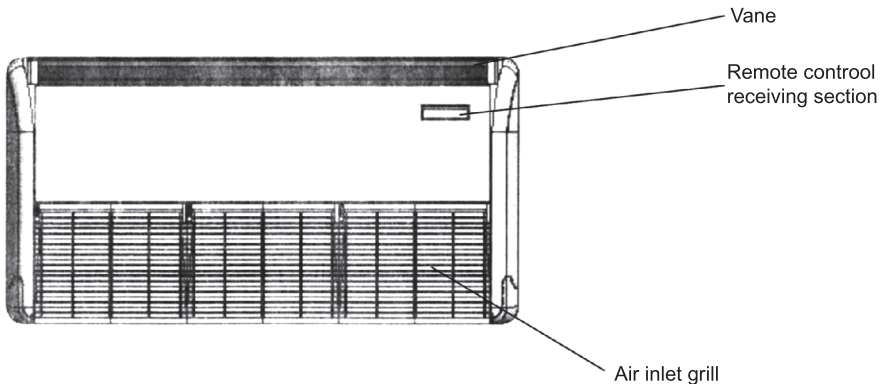
Pls adjust the indoor temperature properly, especially with the old, child, patient.

Lightning or other electromagnetic radiation may have effect on the unit. If so, pls draw out the plug, and then insert again, the restart the unit.

Never block or cover the air inlet or air-outlet of air conditioners.

6. Name of each part and function of the panel

● Name of each part



Maintenance

7. Maintenance

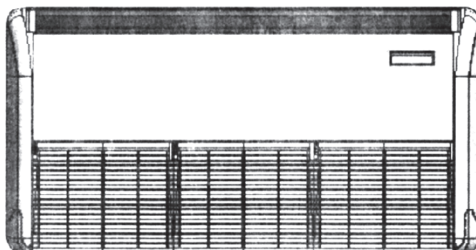
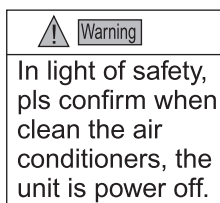
● Check before using:

- 1: Check the ground wire whether it connects well or break off.
- 2: Check whether the air filter installed well or not.
- 3: Pls confirm that the air outlet and air inlet of indoor and outdoor are not blocked.
- 4: If the air conditioner is not used for a long time, pls do clean the air filter, then start the unit.

● Optimal operation

- 1: Pls note the following items to make sure the optimal operation.
- 2: When in cooling mode, try to avoid the sunshine directly to the room.
- 3: Pls close the door and windows, or it may affect the efficiency of cooling and heating.
- 4: Please ensure the air outlet and inlet without obstruction.
- 5: Pls clean the air filter frequently.
- 6: Pls keep the room clean, or it way make the filter dirty, blow the air smell.

● Maintenance



◆ Clean the air filter

Dirty or blocked filter will influence the efficiency, so pls clean the filter frequently:

1. Take the screw cap and un wrest the screw.
2. Push the clip of air inlet grill with hand.
3. Take the filter out of the air inlet grill

Maintenance

When the conditions below happen, do stop the unit immediately, turn off the power, and contact with the service department in the local market.

Phenomenon	If the indicator lights on the panel abnormal, turn off the power, then turn on, the phenomenon still exist.
	The fuse melts frequently or circuit breaker works often.
	A loud noise from the unit.
	Some unstable phenomenon, say shake of air cons.
	Serious leakage of water.
	Other abnormal phenomenon.

For the following problems, check it as request. If the problem can not be settled, contact with the service department.

Malfunction	Cause	Remedy
Unit does not operate at all	Power outage	Press on/off button after power restored
	Main power not on	Turn main power on
	The fuse melts	Replace fuse
	The battery finish	Replace the new battery
	The time is not ready	Wait or cancel time
The air blows out, but the efficiently is not good	The set temperature is not correct	Set the temperature reasonably, turn up/down the temperature
	Filter is blocked by the dities	Clean the filter
	The inlet and outlet of air-con blocked	Remove the obstructs
	Door/loindows open	Close the door/windows
	Heating /cooling over load	Close the source of heat/cool
The air blows out, but not complete cooling/heating.	Temperature set incorreet	Reset the temperature
	Mode set incorrect	Reset the mode
Dew appears on the panel	The humidity indoor is to high	Turn the air blow to the high speed, and turn the angle of vane to the biggest



Warning

Do not replace the power cord, or may cause the hazard

Do not repair the air conditioners by yourself