



Owner's Manual

Original Instructions

Down Discharge Kit

Model:

CF8130

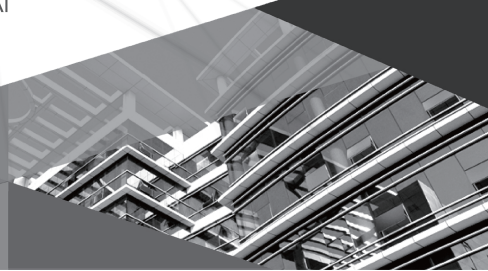
CF8131

CF8132

Thank you for choosing this product. Please read this Owner's Manual carefully before operation and retain it for future reference.

If you have lost the Owner's Manual, please contact the local agent or visit www.gree.com or send an email to global@cn.gree.com for the electronic version.

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI



To Users

Thank you for selecting Gree product. Please read this instruction manual carefully before installing and using the product, so as to master and correctly use the product. In order to guide you to correctly install and use our product and achieve expected operating effect, we hereby instruct as below:

- (1) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- (2) In order to ensure reliability of product, the product may consume some power under stand-by status for maintaining normal communication of system and preheating refrigerant and lubricant. If the product is not to be used for long, cut off the power supply; please energize and preheat the unit in advance before reusing it.
- (3) Please properly select the model according to actual using environment, otherwise it may impact the using convenience.
- (4) This product can't be installed at corrosive, inflammable or explosive environment or the place with special requirements, such as kitchen. Otherwise, it will affect the normal operation or shorten the service life of the unit, or even cause fire hazard or serious injury. As for above special places, please adopt special air conditioner with anti-corrosive or anti-explosion function.
- (5) If the product needs to be installed, moved or maintained, please contact our designated dealer or local service center for professional support. Users should not disassemble or maintain the unit by themselves, otherwise it may cause relative damage, and our company will bear no responsibilities.
- (6) All the illustrations and information in the instruction manual are only for reference. In order to make the product better, we will continuously conduct improvement and innovation. If there is adjustment in the product, please subject to actual product.

Exception Clauses

Manufacturer will bear no responsibilities when personal injury or property loss is caused by the following reasons:

- (1) Damage the product due to improper use or misuse of the product.
- (2) Alter, change, maintain or use the product with other equipment without abiding by the instruction manual of manufacturer.
- (3) After verification, the defect of product is directly caused by corrosive gas.
- (4) After verification, defects are due to improper operation during transportation of product.
- (5) Operate, repair, maintain the unit without abiding by instruction manual or related regulations.
- (6) After verification, the problem or dispute is caused by the quality specification or performance of parts and components that produced by other manufacturers.
- (7) The damage is caused by natural calamities, bad using environment or force majeure.

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1 Safety Precautions

When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury. Understand this signal word: **WARNING**. This word is used with the safety-alert symbol.



Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



When using this accessory, please do not let water get into the complete unit.



If it needs to stick aluminum foil during installation process, it must be stick firmly. After that, check it regularly to avoid water getting into the electric parts of the unit because the aluminium foil comes off.



When using this kit, do not change other on-site wiring.



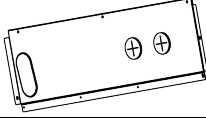
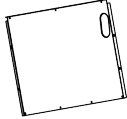

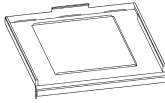
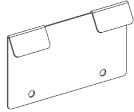



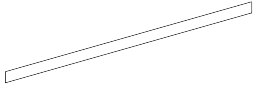

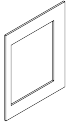
The drain pan should be cleaned regularly to prevent clogging of drain holes and overflow holes.

2 Installation Instructions of Down Discharge Kit

Function of down discharge kit is to enable the indoor unit to realize the installation of down discharge kit.

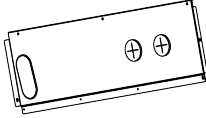
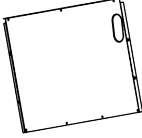

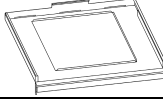
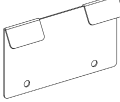



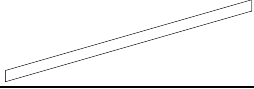

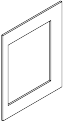
2.1 Down Discharge Kit (CF8130)

The standard accessory parts listed below are furnished and should be used as required.

No.	Name	Appearance	Q'ty
1	Lower cover plate sub-assy 1		1
2	Lower cover plate sub-assy 2		1
3	Mounting plate 1		2
4	Mounting plate sub-assy 2		1
5	Mounting plate 3		1
6	Mounting plate 4		1
7	Screw		21
8	Cable tie		6
9	Aluminum foil		17
10	Sponge		1
11	sponge (seal)		1

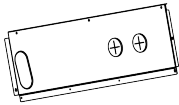
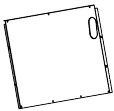

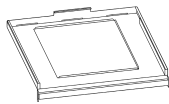
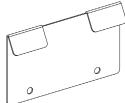




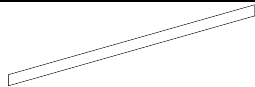

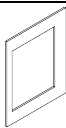
2.2 Down Discharge Kit (CF8131)

The standard accessory parts listed below are furnished and should be used as required.

No.	Name	Appearance	Q'ty
1	Lower cover plate sub-assy 1		1
2	Lower cover plate sub-assy 2		1
3	Mounting plate 1		2
4	Mounting plate sub-assy 2		1
5	Mounting plate 3		1
6	Mounting plate 4		1
7	Screw		30
8	Cable tie		6
9	Aluminium foil		17
10	Sponge		1
11	sponge (seal)		1

2.3 Down Discharge Kit (CF8132)

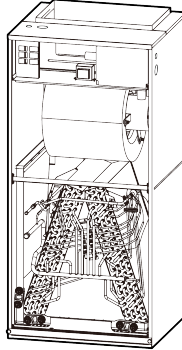
The standard accessory parts listed below are furnished and should be used as required.

No.	Name	Appearance	Q'ty
1	Lower cover plate sub-assy 1		1
2	Lower cover plate sub-assy 2		1
3	Mounting plate 1		2
4	Mounting plate sub-assy 2		1
5	Mounting plate 3		1
6	Mounting plate 4		1
7	Glass fiber cotton		4
8	Screw		33
9	Cable tie		6
10	Aluminium foil		17
11	Sponge		1
12	sponge (seal)		1

3 Installation Instructions

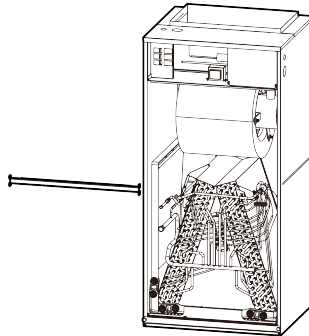
3.1 Disassemble the Unit and Stick the Aluminium Foil(CF8130)

(1) Remove the panel:



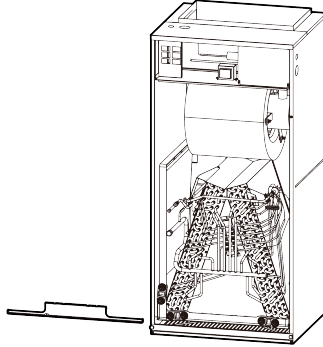
Remove all screws of the panel

(2) Remove reinforcing beam:



Remove 4 screws of reinforcing beam

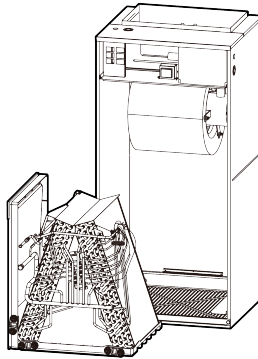
- (3) Remove the fixing plate of water tray:



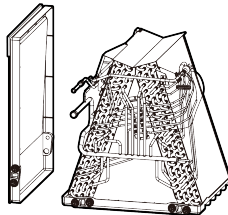
Remove plate of water tray

- (4) Remove the water tray sub-assy:

Before taking out the water tray, the cable tie used for fixing the temperature sensor must be cut off. After that, pull the temperature sensor from its sleeve.

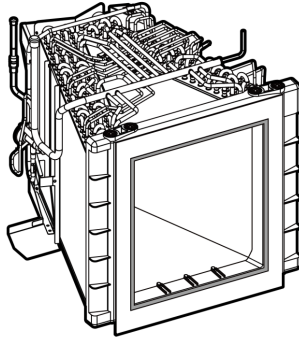


- (5) Remove the auxiliary water tray (If there is a sheet metal plate at the bottom of the water tray, remove it):

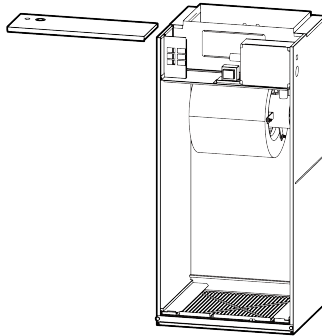


(6) Stick the sponge of the water tray:

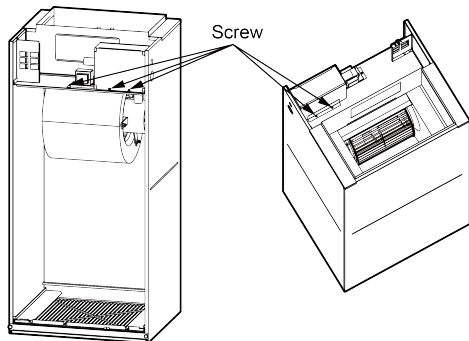
Take long strip sponges and stick them at the inner side of the air duct along the inner edges that is with the sponge at the bottom. Refer to below schematic diagram:



(7) Remove the top cover sub-assy

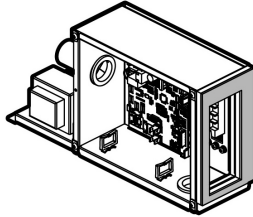


(8) Remove the electrical box

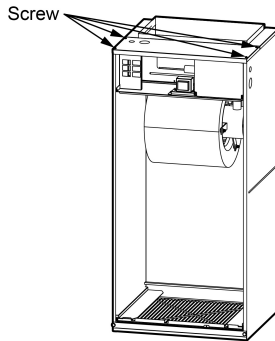


(9) Paste sponge (seal)

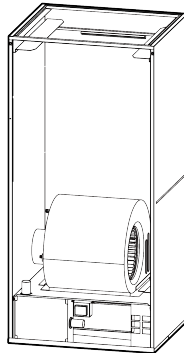
After removing the electrical box, paste a double-sided adhesive sponge (seal) on the far right of the electrical box and reinstall it in the original position.



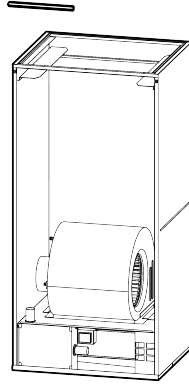
(10) Install the top cover sub-assy



(11) Overturn the unit:

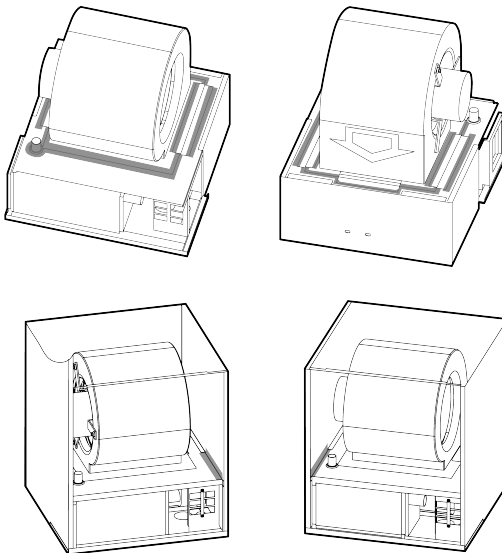


(12) Remove the fixing plate of water tray2



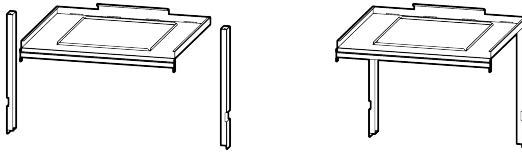
(13) Guideline for sticking aluminum foil

By referring to the instruction in the figure as below (note: the side plate is hidden in the figure as below), stick the aluminium foil at the shadow position to strengthen the airtightness of the unit. When sticking the aluminium foil at the bottom part of the round wire crossing loop, cut it into short strips and stick them for many times.



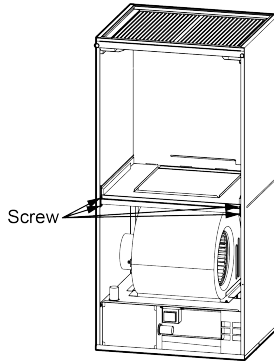
3.2 Install the Unit and Stick the Aluminium Foil (CF8130)

- (1) Assemble the mounting plate sub-assy:



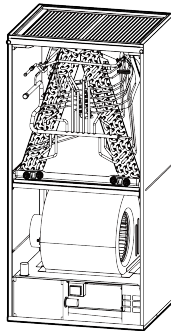
Assemble the mounting plate sub-assy with 4 screws.

- (2) Install the assembled mounting plate sub-assy:

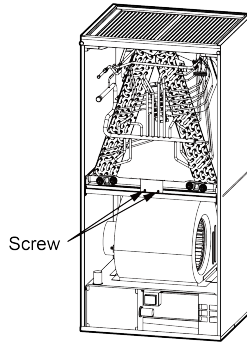


Install the assembled mounting plate sub-assy with 4 screws

- (3) Install the water tray sub-assy:



(4) Install mounting plate 3:

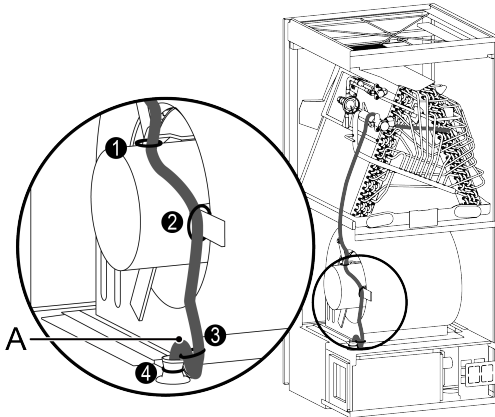


Secure the mounting plate 3 with 2 screws

(5) Install tube temperature sensor

Before installing the tube temperature sensor, cut off the cable tie used for fixing the motor wire and temperature sensor wire and then pull the temperature sensor wire to a certain length for connecting wires. After that, fix the motor wire and temperature sensor wire according to the instructions as below.

(6) Wiring of fan

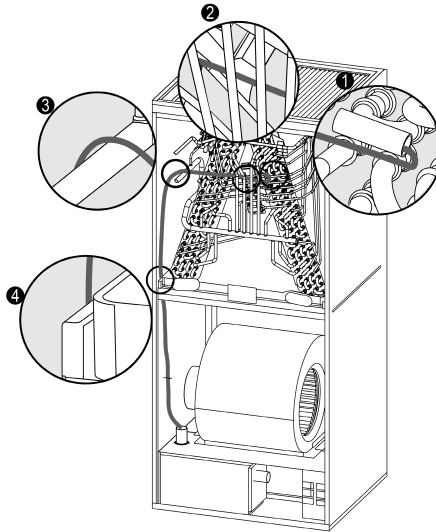


- ① **Instruction:** Use the cable tie to fix the motor wire and the tube temperature sensor wire at this position. Make a water return bend for the motor wire with the cable tie at this position. Before bundle the wire, use a strip of aluminium foil to wrap the root of the motor wire for water-proof seal.
- ② **Instruction:** Use plastic cable tie and metal cable tie to bundle the motor wire and the tube temperature sensor wire at the motor support. Long motor wire should be handled properly.

Note: Wires can't contact the propeller housing, the bolt and the motor.

- ③ **Instruction:** Use the cable tie to fix the motor wire and tube temperature sensor wire at this position. Make a water return bend for the motor wire with the a cable tie at this position.
- ④ **Instruction:** The motor wire and the tube temperature sensor wire pass the wire crossing loop with a tail at this position, and then use a cable tie to bundle the tail of wire crossing loop, motor wire and tube temperature sensor wire. Before bundling the wires, please use the aluminium foil to wrap the motor wire and the temperature sensor to the highest point A of water return bend.

(7) Wiring of heat exchanger



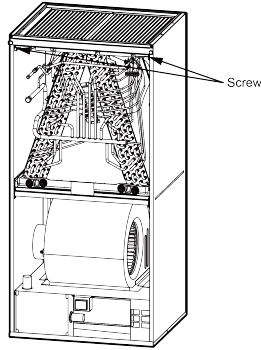
- ① **Instruction:** Fix the tube temperature sensor wire at the temperature sensor sleeving with the cable tie.

Note: The bundling position of tube temperature sensor wire can't exceed the water tray.

- ② **Instruction:** Tube temperature sensor wire is placed at the inner side of the pipeline to avoid the wire surpassing the water tray.
- ③ **Instruction:** Temperature sensor wire passes among the water tray and the side plate.
- ④ **Instruction:** Fix the tube temperature sensor wire at the temperature sensor sleeving with the cable tie.

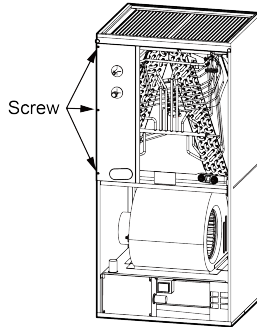
Note: Please refer to the figure for inserting and connecting the temperature sensor head. Do not let the sharp edges and pins of temperature sensor sleeving cut the wires.

(8) Install mounting plate 4:



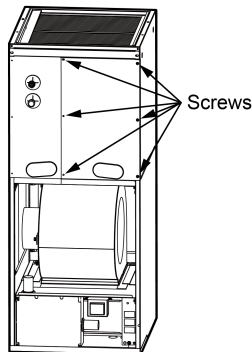
Secure the mounting plate 4 with 2 screws

(9) Install lower cover plate sub-assy 1:



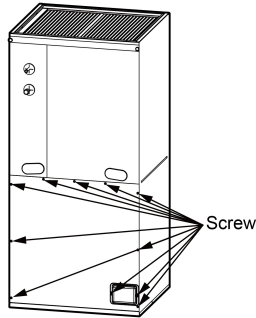
Fix the lower cover plate sub-assy 1 with 3 screws

(10) Install the lower cover plate sub-assy 2:



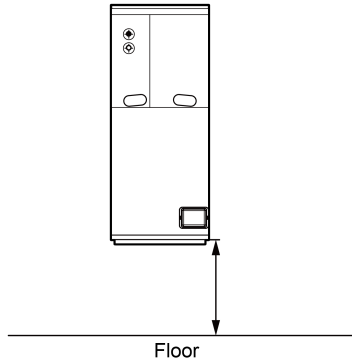
Secure the lower cover plate sub-assy 2 with 6 screws

(11) Install the upper cover plate sub-assy:



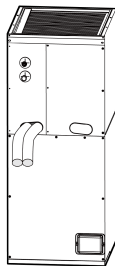
Secure the upper cover plate sub-assy with 9 screws

After the machine is installed upside down, the distance between the machine and the floor shall not be less than A (A is equal to 400mm).

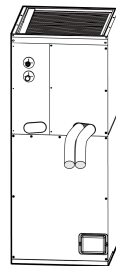


3.3 Install The Drainage Pipe

When installing the drainage pipe, please connect both the drain hole and the overflow hole. Two installation methods are available. Please select one of it according to the actual requirement for installation.



A



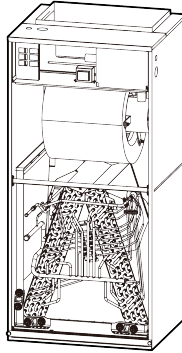
B

⚠ WARNING

When installing the drainage pipe, please connect both the drain hole and the overflow hole to ensure smooth water drainage of water tray. Otherwise, the condensation water will overflow into electric parts and then lead to safety hazard.

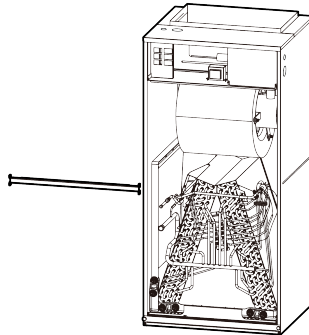
3.4 Disassemble the Unit and Stick the Aluminium Foil(CF8131)

(1) Remove the panel:



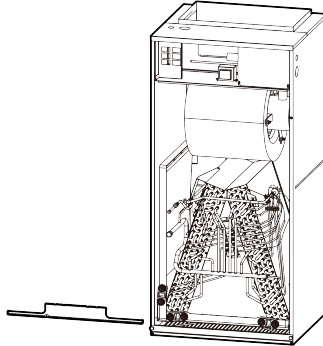
Remove all screws of the panel

(2) Remove reinforcing beam:



Remove 4 screws of reinforcing beam

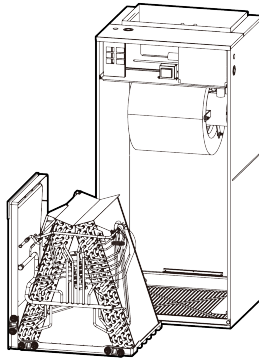
- (3) Remove the fixing plate of water tray:



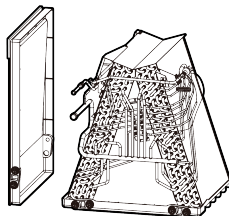
Remove plate of water tray

- (4) Remove the water tray sub-assy:

Before taking out the water tray, the cable tie used for fixing the temperature sensor must be cut off. After that, pull the temperature sensor from its sleeve.

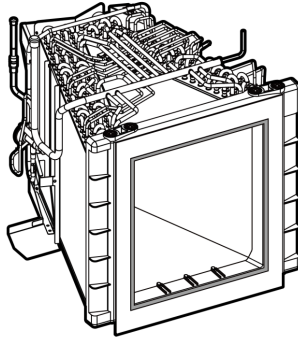


- (5) Remove the auxiliary water tray (If there is a sheet metal plate at the bottom of the water tray, remove it):

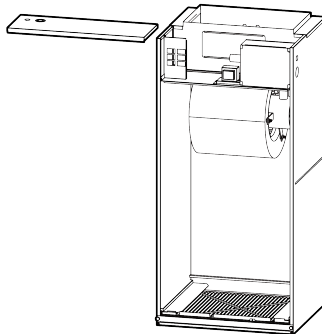


(6) Stick the sponge of the water tray:

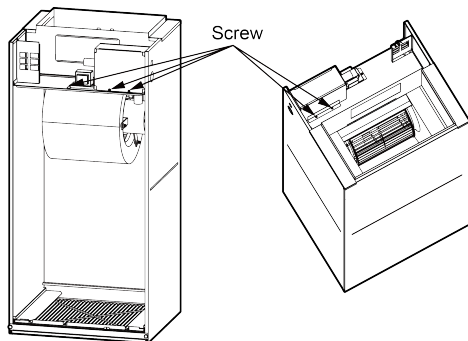
Take long strip sponges and stick them at the inner side of the air duct along the inner edges that is with the sponge at the bottom. Refer to below schematic diagram:



(7) Remove the top cover sub-assy

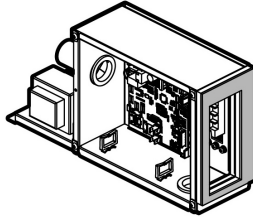


(8) Remove the electrical box

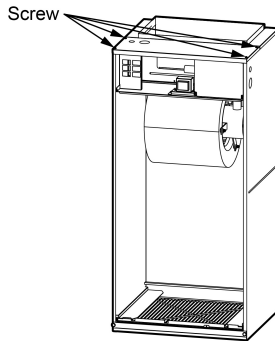


(9) Paste sponge (seal)

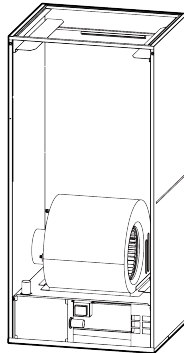
After removing the electrical box, paste a double-sided adhesive sponge (seal) on the far right of the electrical box and reinstall it in the original position.



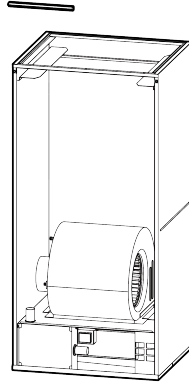
(10) Install the top cover sub-assy



(11) Overturn the unit:

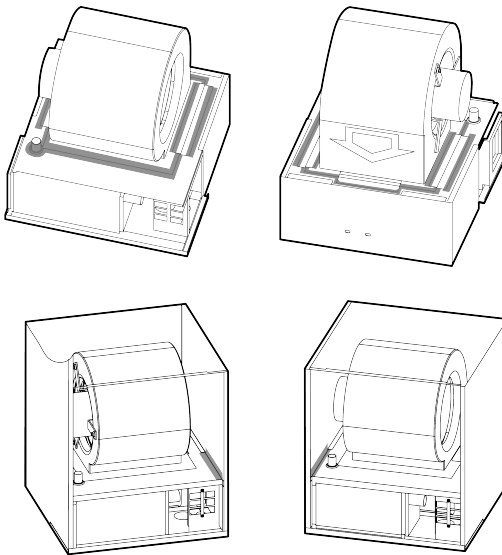


(12) Remove the fixing plate of water tray2



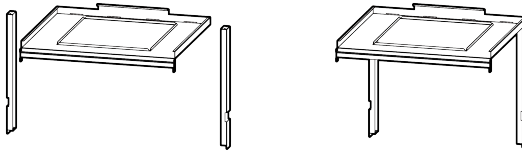
(13) Guideline for sticking aluminum foil

By referring to the instruction in the figure as below (note: the side plate is hidden in the figure as below), stick the aluminium foil at the shadow position to strengthen the airtightness of the unit. When sticking the aluminium foil at the bottom part of the round wire crossing loop, cut it into short strips and stick them for many times.



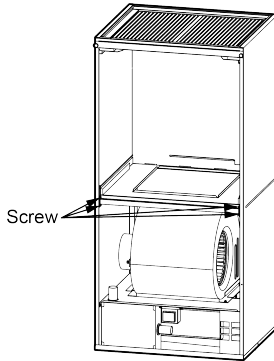
3.5 Install the Unit and Stick the Aluminium Foil (CF8131)

- (1) Assemble the mounting plate sub-assy:



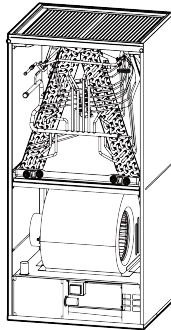
Assemble the mounting plate sub-assy with 4 screws.

- (2) Install the assembled mounting plate sub-assy:

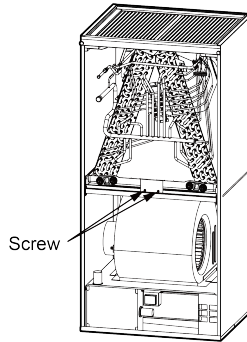


Install the assembled mounting plate sub-assy with 4 screws

- (3) Install the water tray sub-assy:



(4) Install mounting plate 3:

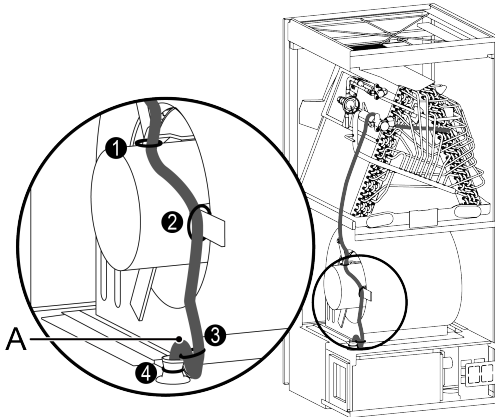


Secure the mounting plate 3 with 2 screws

(5) Install tube temperature sensor

Before installing the tube temperature sensor, cut off the cable tie used for fixing the motor wire and temperature sensor wire and then pull the temperature sensor wire to a certain length for connecting wires. After that, fix the motor wire and temperature sensor wire according to the instructions as below.

(6) Wiring of fan

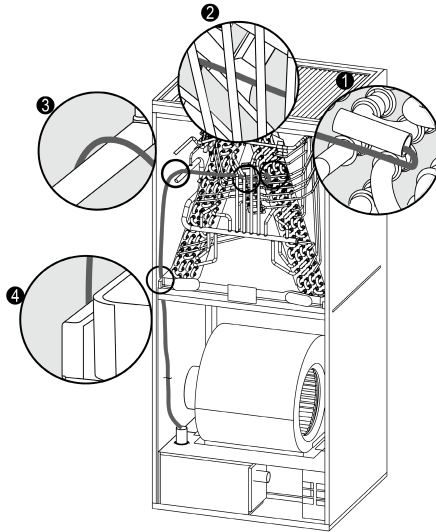


- ① **Instruction:** Use the cable tie to fix the motor wire and the tube temperature sensor wire at this position. Make a water return bend for the motor wire with the cable tie at this position. Before bundle the wire, use a strip of aluminium foil to wrap the root of the motor wire for water-proof seal.
- ② **Instruction:** Use plastic cable tie and metal cable tie to bundle the motor wire and the tube temperature sensor wire at the motor support. Long motor wire should be handled properly.

Note: Wires can't contact the propeller housing, the bolt and the motor.

- ③ **Instruction:** Use the cable tie to fix the motor wire and tube temperature sensor wire at this position. Make a water return bend for the motor wire with the a cable tie at this position.
- ④ **Instruction:** The motor wire and the tube temperature sensor wire pass the wire crossing loop with a tail at this position, and then use a cable tie to bundle the tail of wire crossing loop, motor wire and tube temperature sensor wire. Before bundling the wires, please use the aluminium foil to wrap the motor wire and the temperature sensor to the highest point A of water return bend.

(7) Wiring of heat exchanger



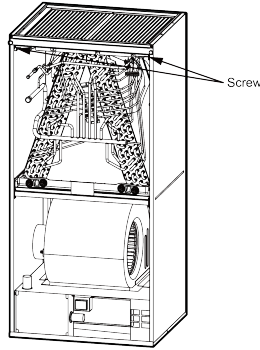
- ① **Instruction:** Fix the tube temperature sensor wire at the temperature sensor sleeving with the cable tie.

Note: The bundling position of tube temperature sensor wire can't exceed the water tray.

- ② **Instruction:** Tube temperature sensor wire is placed at the inner side of the pipeline to avoid the wire surpassing the water tray.
- ③ **Instruction:** Temperature sensor wire passes among the water tray and the side plate.
- ④ **Instruction:** Fix the tube temperature sensor wire at the temperature sensor sleeving with the cable tie.

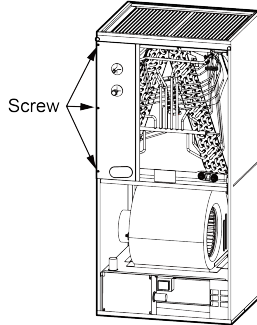
Note: Please refer to the figure for inserting and connecting the temperature sensor head. Do not let the sharp edges and pins of temperature sensor sleeving cut the wires.

(8) Install mounting plate 4:



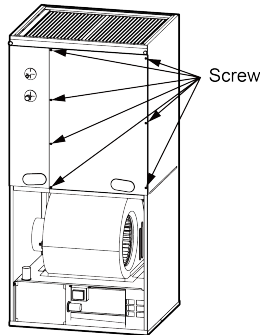
Secure the mounting plate 4 with 2 screws

(9) Install lower cover plate sub-assy 1:



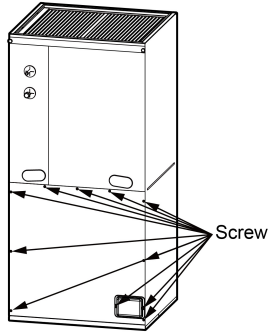
Fix the lower cover plate sub-assy 1 with 3 screws

(10) Install the lower cover plate sub-assy 2:



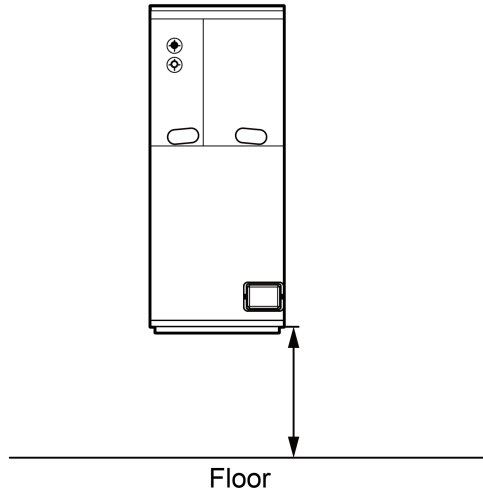
Secure the lower cover plate sub-assy 2 with 7 screws

(11) Install the upper cover plate sub-assy:



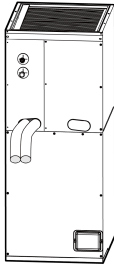
Secure the upper cover plate sub-assy with 9 screws

After the machine is installed upside down, the distance between the machine and the floor shall not be less than A (A is equal to 400mm).

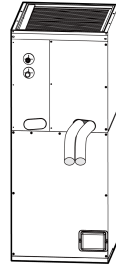


3.6 Install The Drainage Pipe

When installing the drainage pipe, please connect both the drain hole and the overflow hole. Two installation methods are available. Please select one of it according to the actual requirement for installation.



A



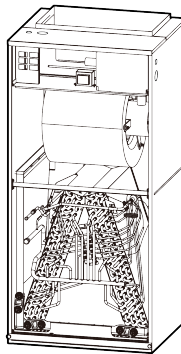
B

⚠ WARNING

When installing the drainage pipe, please connect both the drain hole and the overflow hole to ensure smooth water drainage of water tray. Otherwise, the condensation water will overflow into electric parts and then lead to safety hazard.

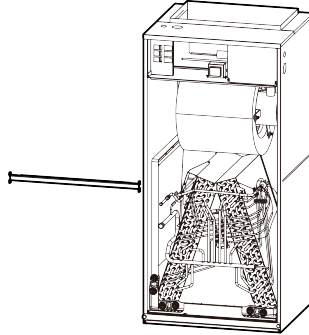
3.7 Disassemble the Unit and Stick the Aluminium Foil(CF8132)

(1) Remove the panel:



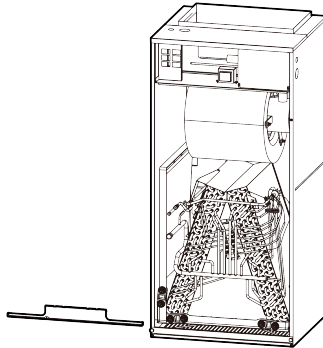
Remove all screws of the panel

- (2) Remove reinforcing beam:



Remove 4 screws of reinforcing beam

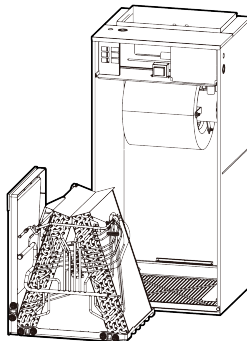
- (3) Remove the fixing plate of water tray:



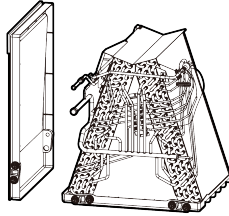
Remove plate of water tray

- (4) Remove the water tray sub-assy:

Before taking out the water tray, the cable tie used for fixing the temperature sensor must be cut off. After that, pull the temperature sensor from its sleeve.

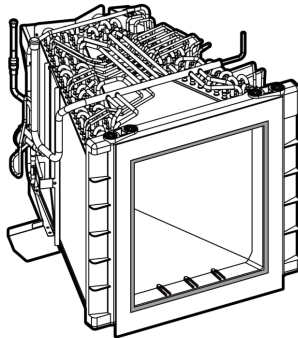


- (5) Remove the auxiliary water tray (If there is a sheet metal plate at the bottom of the water tray, remove it):

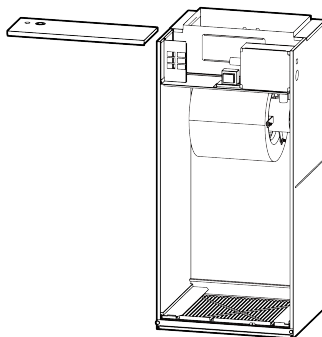


- (6) Stick the sponge of the water tray:

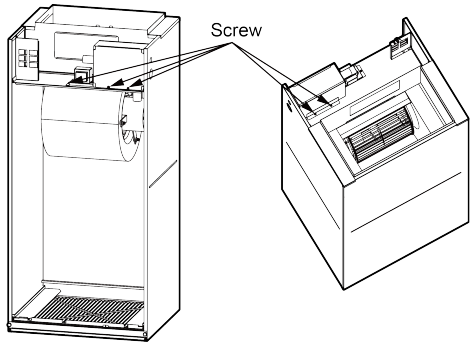
Take long strip sponges and stick them at the inner side of the air duct along the inner edges that is with the sponge at the bottom. Refer to below schematic diagram:



- (7) Remove the top cover sub-assy

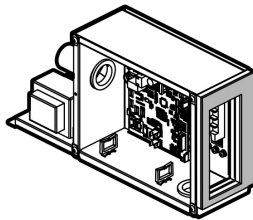


(8) Remove the electrical box

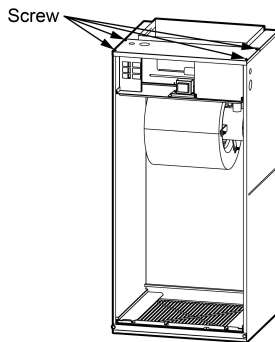


(9) Paste sponge (seal)

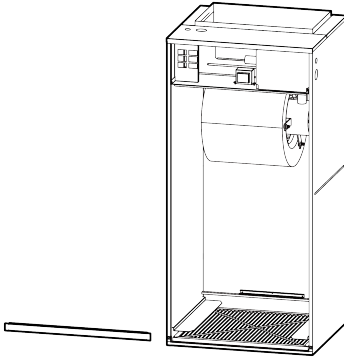
After removing the electrical box, paste a double-sided adhesive sponge (seal) on the far right of the electrical box and reinstall it in the original position.



(10) Install the top cover sub-assy

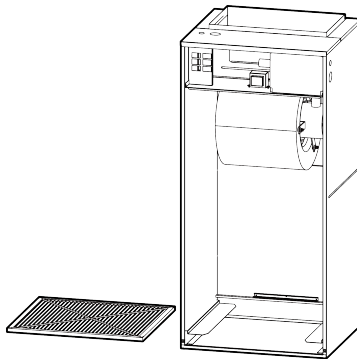


(11) Remove the seal plate of filter:

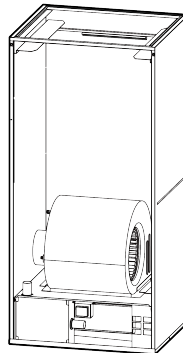


Remove the 2 screws from the seal plate of filter

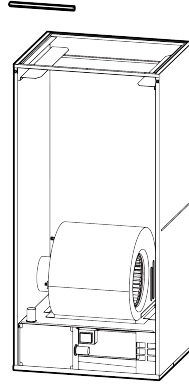
(12) Draw out the filter sub-assy:



(13) Overturn the unit:

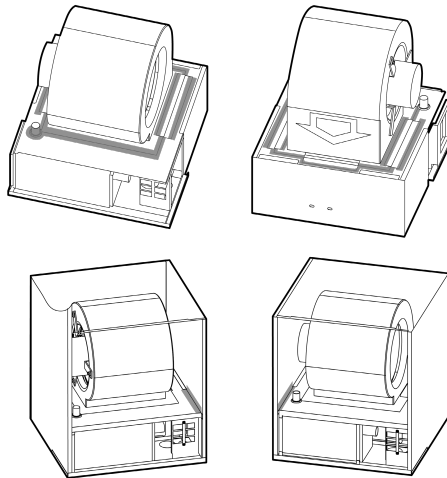


(14) Remove the fixing plate of water tray2



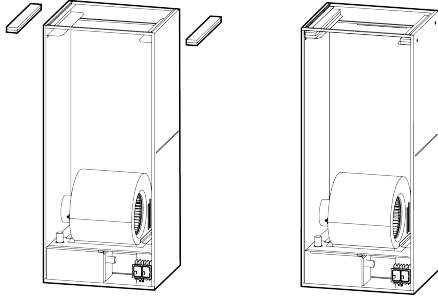
(15) Guideline for sticking aluminum foil

By referring to the instruction in the figure as below (note: the side plate is hidden in the figure as below), stick the aluminium foil at the shadow position to strengthen the airtightness of the unit. When sticking the aluminium foil at the bottom part of the round wire crossing loop, cut it into short strips and stick them for many times.



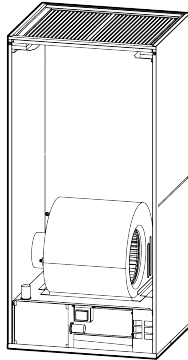
3.8 Install the Unit and Stick the Aluminium Foil (CF8132)

- (1) Install glass fiber cotton:

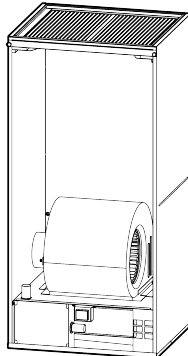


Stack two pieces of glass fiber cotton together and put them on the support (water tray)

- (2) Install the filter sub-assy:

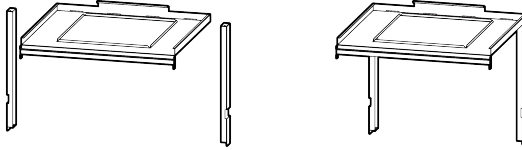


- (3) Install the seal plate of filter:



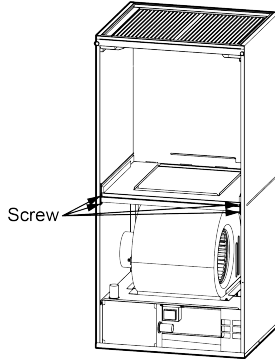
Secure the seal plate with 2 screws

- (4) Assemble the mounting plate sub-assy:



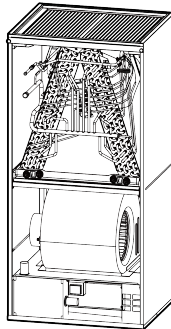
Assemble the mounting plate sub-assy with 4 screws

- (5) Install the assembled mounting plate sub-assy:

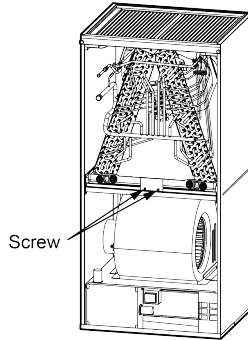


Secure the mounting plate sub-assy with 4 screws

- (6) Install the water tray sub-assy:



(7) Install the mounting plate 3:

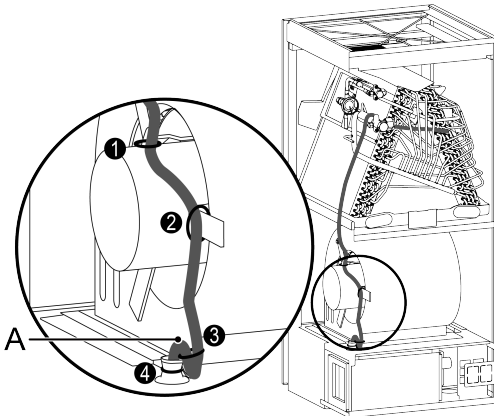


Secure the mounting plate 3 with 2 screws

(8) Install tube temperature sensor

Before installing the tube temperature sensor, cut off the cable tie used for fixing the motor wire and temperature sensor wire and then pull the temperature sensor wire to a certain length for connecting wires. After that, fix the motor wire and temperature sensor wire according to the instructions as below.

(9) Wiring of fan



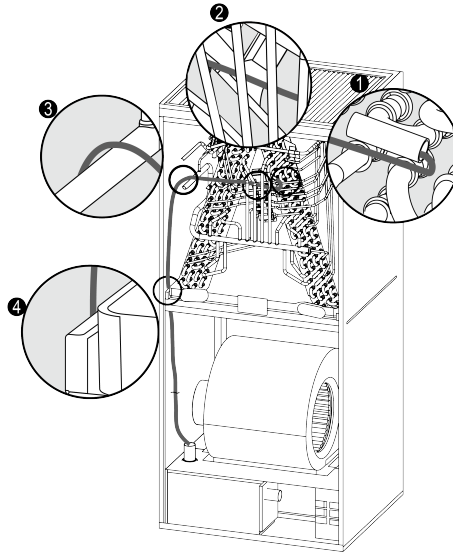
① **Instruction:** Use the cable tie to fix the motor wire and the tube temperature sensor wire at this position. Make a water return bend for the motor wire with the cable tie at this position. Before bundle the wire, use a strip of aluminium foil to wrap the root of the motor wire for water-proof seal.

② **Instruction:** Use plastic cable tie and metal cable tie to bundle the motor wire and the tube temperature sensor wire at the motor support. Long motor wire should be handled properly.

Note: Wires can't contact the propeller housing, the bolt and the motor.

- ③ **Instruction:** Use the cable tie to fix the motor wire and tube temperature sensor wire at this position. Make a water return bend for the motor wire with the a cable tie at this position.
- ④ **Instruction:** The motor wire and the tube temperature sensor wire pass the wire crossing loop with a tail at this position, and then use a cable tie to bundle the tail of wire crossing loop, motor wire and tube temperature sensor wire. Before bundling the wires, please use the aluminium foil to wrap the motor wire and the temperature sensor to the highest point A of water return bend.

(10) Wiring of heat exchanger



- ① **Instruction:** Fix the tube temperature sensor wire at the temperature sensor sleeving with the cable tie.

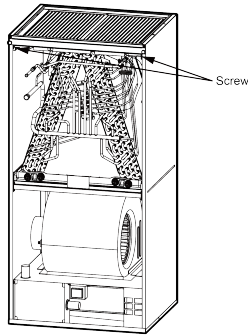
Note: The direction of temperature sensor wire is shown in the figure to avoid sharp edges and fins of temperature sensor sleeving cutting the wires.

- ② **Instruction:** Tube temperature sensor wire is placed at the inner side of the pipeline to avoid the wire surpassing the water tray.
- ③ **Instruction:** Fix the tube temperature sensor wire at the temperature sensor sleeving with the cable tie.

Note: The bundling position of tube temperature sensor wire can't exceed the water tray.

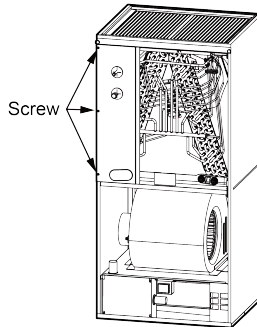
- ④ **Instruction:** The tube temperature sensor wire passes through the space between the water tray and the side plate.

(11) Install the mounting plate 4:



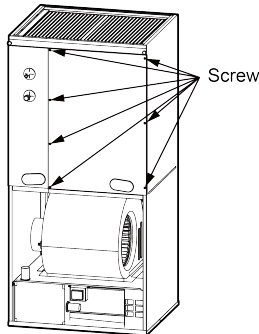
Secure the mounting plate 4 with 2 screws

(12) Install lower cover plate sub-assy 1:



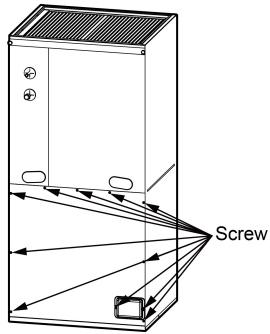
Fix the lower cover plate sub-assy 1 with 3 screws

(13) Install the lower cover plate sub-assy 2:



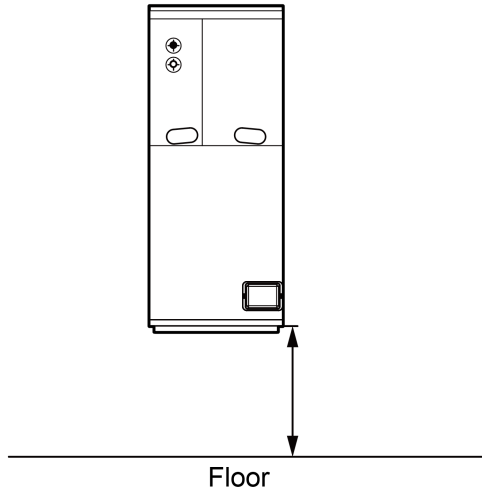
Secure the lower cover plate sub-assy 2 with 7 screws

(14) Install the upper cover plate sub-assy:



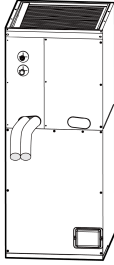
Secure the upper cover plate sub-assy with 11 screws

After the machine is installed upside down, the distance between the machine and the floor shall not be less than A (A is equal to 400mm).

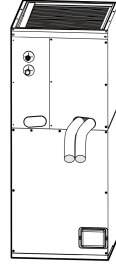


3.9 Install The Drainage Pipe

When installing the drainage pipe, please connect both the drain hole and the overflow hole. Two installation methods are available. Please select one of it according to the actual requirement for installation.



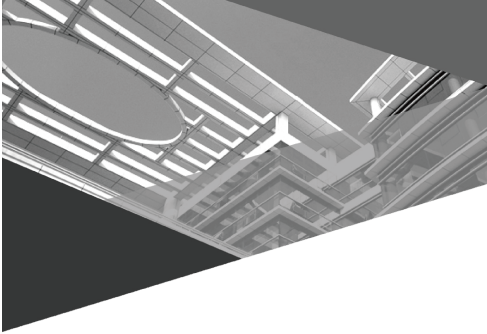
A



B

⚠ WARNING

When installing the drainage pipe, please connect both the drain hole and the overflow hole to ensure smooth water drainage of water tray. Otherwise, the condensation water will overflow into the electric parts and then lead to safety hazard.



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