

Elevator Air Conditioner Installation Guide

Thank you for choosing our elevator air conditioner. Please follow the steps below carefully to ensure correct installation.

Step 1 – Pre-installation Test (Very Important)

After the unit arrives at the installation site, perform a 5-minute test run before installation.

- During the test, check:
- Whether cooling/heating works properly
- Whether the compressor starts normally
- Whether the display panel functions correctly
- Place the temperature sensor into the air outlet to confirm temperature drop
- Test all buttons on the panel
- Install batteries in the remote control and test it



 If any abnormality is found, contact the manufacturer immediately.

Do not install the unit before confirming it works properly, as removing it after installation is troublesome.

Step 2 – Check the Fan Opening on the Car Top

Locate the original ventilation fan opening.

- Remove the original fan.
- For old elevators with a circular fan, cut an opening on the car top similar to the air outlet size.

Step 3 – Clean the Area Around the Opening

After removing the fan, clean dust around the opening.

This ensures the insulation sponge can firmly adhere to the metal surface.



Step 4 – Adjust the Air Outlet Cover

Take out the white air outlet cover supplied by the manufacturer.

- Measure the fan opening size.
- The cover should fit tightly into the opening.
- If the cover is larger, mark the correct size and trim it precisely.

A tight fit is essential.



Step 5 - Apply Insulation Sponge Around the Opening

(Anti-condensation Treatment)

Before installing the outlet cover:

- Apply insulation sponge around the opening
- Shape the left and right sponge into a “C” form to prevent air leakage
- Seal all extra gaps around the opening

At the same time, route:

- Control panel cable
- Temperature sensor cable

through this opening into the cabin (used later in Step 8).

This step:

1. Prevents cold air leakage
2. Absorbs condensation when cold air contacts metal
3. Ensures tight connection between outlet cover and opening



Step 6 – Install the Insulated Air Duct onto the Outlet Cover

Take the air outlet cover and install the **double-layer insulated air duct**.

1. Install the inner duct first and fasten tightly with a 10 mm binding strap.
2. Then install the outer insulation layer and fasten the same way.
3. Seal the joint between outlet and duct with insulation paper.

Set this aside for later use.



Step 7 – Fix the Main AC Unit on the Car Top

The unit must be:

- Firmly fixed
- Completely level
- Not shaking or tilted



Preferred method:

- Fix onto the car top crossbeam by drilling holes.

If space is insufficient:

- Use angle iron brackets fixed onto the guardrail.

For Version 2.0: two angle irons are required for the pull rods.

For Version 3.0: triangular fixing method is recommended.



Step 8 – Route Control Panel and Sensor Cables

After fixing the unit:

- Separate the control panel wires
- Pass the gray control cable and black temperature sensor cable through the opening into the cabin



When installing the control panel later, keep it away from the air outlet to avoid malfunction

caused by direct cold air.



Step 9 – Connect the Insulated Duct to the Main Unit and Fix the Outlet

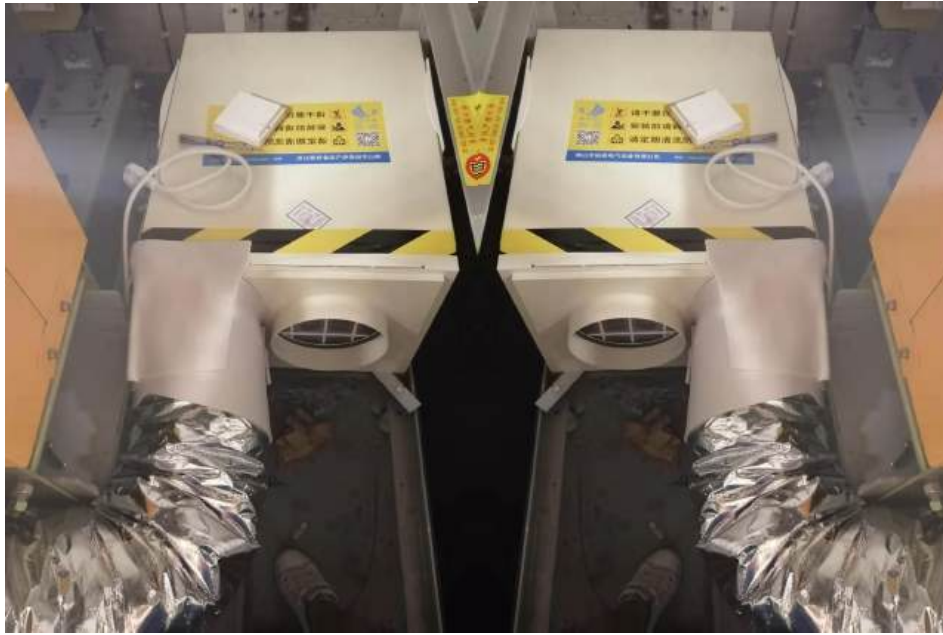
Cover

1. Attach insulation board near the outlet to prevent the duct from slipping.
2. Connect the duct to the unit air outlet and fasten tightly with binding straps.
3. Seal the joint with insulation sponge.

(For upgraded models, return air duct is not required except for panoramic elevators.)



At this stage, insert the three dust filters.



⚠️ Dust filters must be cleaned once per month to avoid compressor failure.

After connecting the duct, fix the outlet cover into the opening and secure it with insulation sponge.

Then connect the power supply.
(Use dedicated 3-core 2.5 mm² cable.)



Step 10 – Install the Control Panel and Temperature Sensor in the Cabin

Inside the cabin:

1. Connect control panel wires and tighten screws.
2. Use double-sided tape to fix the control panel.
3. Fix the temperature sensor nearby.

Turn on the unit with the remote control and test cooling mode.



Installation Completed

Confirm:

- Strong airflow from the outlet
- No air leakage
- Control panel working properly

Normal temperature change

The elevator air conditioner is now ready for operation.

Maintenance Reminder

- Clean dust filters every month
- Perform professional cleaning before summer each year