DRAIN PAN HEATER INSTALLATION MANUAL

MODELS: KEH067A41E, KEH063A4E, FTDBHMS, FTDBHML

Safety Considerations for Installation of Drain Pan Heater

Read these Safety Considerations carefully before installing the drain pan heater. After completing the installation, check if the unit operates properly during the start-up operation.

1. Installation Procedure (1)

- Do not touch the drain pan heater unit without wearing gloves. The temperature of the heater unit will become high when the heater is turned on.
- Touching the heater unit with bare hands will result in burns or injury.
- Do not install the outdoor unit in places where small animals may nest in the outdoor unit.
- Do not grab the top plate of the outdoor unit carelessly when removing the top plate. The sharp edge of the top plate may cause injury.
- Do not touch the heater unit with bare hands. TheDeclaration of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands may result in burns or injury.
- Do not remove the fan motor base.
- Do not remove the fan motor harness.
- Do not remove the fan motor base. Avoid, could result in death or serious injury.

2. Installation Procedure (2)

- 1) Remove the fixing screws at the lower section of the fan motor base. (2 screws)
- 2) Remove the fan motor base together with the propeller fan and ensure that stress is not placed on the propeller fan when placing them aside.
- 3) Do not remove the fan motor harness. Ensure that the fan motor harness does not come into contact with the edges of the heat exchanger or other components.
- 4) Do not touch the drain pan heater unit. The temperature of the heat exchanger will become high when the heater is turned on. Touching the heater unit with bare hands may result in burns or injury.

3. Installation Procedure (3)

- Reinstall 1 screw from the bottom frame so that the plates of the drain pan heater can be inserted under the heat exchanger with ease.
- Lift up the heat exchanger, and insert the plates of the drain pan heater under the heat exchanger.
- The ground plate of the drain pan heater should be installed so that, in type A models, it firmly adheres to the bottom frame, and in type B and C models, it firmly adheres to the partition plate. Ensure that the drain pan heater is in a position where it does not come into contact with the fan motor base.
- There are no holes, drill a φ1.8 inch (4.5mm) holes in the bottom frame and the partition plate to the drain pan heater. Place the actual components to ensure positioning is correct before drilling holes.
- The holes can be made with the included piercing-screw as well.
- 4) Fix the drain pan heater with the @ piercing screws. (3 screws)
- 5) Reattach the screw that was removed from the bottom frame.

Tools Required for Installation

- Electric drill
- Hexagon tapping screw
- Phillips screwdriver
- Hexagon screw
- Nippers

Installation Procedure (4)

- Do not touch the drain pan heater unit without wearing gloves.
- Do not install the outdoor unit in places where small animals may nest in the outdoor unit.
- Do not grab the top plate of the outdoor unit carelessly when removing the top plate. The sharp edge of the top plate may cause injury.
- Do not touch the heater unit with bare hands. The temperature of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands may result in burns or injury.

CAUTION

- Do not remove the fan motor base.
- Do not remove the fan motor harness.
- Do not remove the fan motor base. Avoid, could result in death or serious injury.

WARNING

- Request the dealer or an authorized technician to install the product. Improper installation of the product could result in water leakage, an electric shock, or fire.
- Use the specified parts. Connect and fix the wires so that the wires will not put improper force on the terminal junctions.
- Wear protective gloves at the time of installation. If small animals intrude and touch the internal parts of the outdoor unit, the outdoor unit may malfunction, generate smoke, or ignite.
- The temperature of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands may result in burns or injury.

Accessories

- Drain pan heater
- Electric wire diagram label
- Hexagon screw
- Hexagon tapping screw
- Phillips screwdriver
- Nippers

For type A models: KEH067A41E, KEH063A4E, FTDBHMS, FTDBHML

For type B models: RXK18SF, RXK24SF, RXK15SF

For type C models: RXK22SF, RXK28SF, RXK25SF

Appearance of the drain pan heater may differ from some models.
**Installation Procedure (4)**

4. Route the harnesses.

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**WARNING**

- When drilling a hole, be careful not to damage the soundproofing material and other components on the back side.

**For type A models**

1) If there is no hole, drill a φ1/8 inch (φ3.2mm) hole in the partition plate. (1 location)
2) Fix in place the binding band attached to the drain pan heater harness by screwing the M4 piercing screw into the hole. (1 location)
3) Install the fan motor base.
   - Be careful not to confuse screw types. Refer to "Installation Procedure (2)."
4) Place the drain pan heater harness on top of the fan motor harness, and fix it in place with the sealing material.

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**For type B and C models**

1) If there are no holes, drill φ1/8 inch (φ3.2mm) holes in the partition plate. (3 locations)
2) Fix the drain pan heater harness in place by screwing the M4 piercing screws into the holes. (3 locations)
3) Install the fan motor base.
   - Be careful not to confuse screw types. Refer to "Installation Procedure (2)."
4) Trim the electrical wiring box with nippers at the locations shown in the figures, then cover the trimmed edges with the sealing material.
5) Insert the drain pan heater harness into the space that was trimmed, and fix it in place using the sealing material.

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**Installation Procedure (5)**

5. Connect the faston terminals of the drain pan heater to the terminal block of the outdoor unit.

1) For type A models, connect to the last terminal block of the terminal blocks in use.
2) Bundle the drain pan heater harness so that there is no slack, and secure it with the binding band. (1 location)
   - Cut the tip of the binding band.

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6. Install each component to the original position.

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- Be careful not to confuse screw types. Refer to "Installation Procedure (1)."

1) Install the front plate.
2) Install the anti-drip cover.
   (For type B and C models only)
3) Install the top plate.