



Installation Instructions

VCWF Coil Replacement Instructions

SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

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Warnings, Cautions, and Notices

Read this manual thoroughly before operating or servicing this unit. Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

- WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- CAUTION** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert
- NOTICE** Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants-including industry replacements for CFCs such as HCFCs and HFCs.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

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WARNING

Proper Field Wiring and Grounding Required!
Failure to follow code could result in death or serious injury. All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state electrical codes.

WARNING

Personal Protective Equipment Required!
Installing/servicing this unit could result in exposure to electrical, mechanical and chemical hazards. Before installing/servicing this unit, technicians MUST put on all Personal Protective Equipment (PPE) recommended for the work being undertaken. ALWAYS refer to appropriate SDS sheets and OSHA guidelines for proper PPE. When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS sheets and OSHA guidelines for information on allowable personal exposure levels, proper respiratory protection and handling recommendations. If there is a risk of arc or flash, technicians MUST put on all necessary Personal Protective Equipment (PPE) in accordance with NFPA70E for arc/flash protection PRIOR to servicing the unit. Failure to follow recommendations could result in death or serious injury.

WARNING

Follow EHS Policies!
Failure to follow instructions below could result in death or serious injury.

- All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.
- Non-Trane personnel should always follow local regulations.

Pre-2016 Coils:

- No DTS incorporated in the coil.
- 6.84-inch from the back of the unit to the back of the coil.
- Slip and Drive connection to the unit and to the downstream duct.

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2016 to 2021 Coils:

- DTS incorporated in the coil.
- 8.66-inch from the back of the unit to the back of the coil.
- Slip and Drive connection to the unit and to the downstream duct.

2021 Coils:

- DTS incorporated in the coil.
- 6.52-inch from the back of the unit to the back of the coil.
- Flange mounted connection to the unit and slip and drive connection to the downstream duct.

Instructions for replacing the Pre-2016 coils with the 2021 coils

1. Remove the sealant around the coil.
2. Remove the slip and drive connections between the duct and the coil.
3. Remove the slip and drive between the coil and the unit.
4. Remove the coil from the unit.
5. Install the new flange mounted coil over the back of the unit.
6. Shoot 6 self-taping screws to mount the coil to the unit (3 on top and 3 on bottom of the coil).
7. Connect the duct to the coil (New coil is 0.32-inch shorter than existing coil).
8. Seal all the joints (same as what was removed).

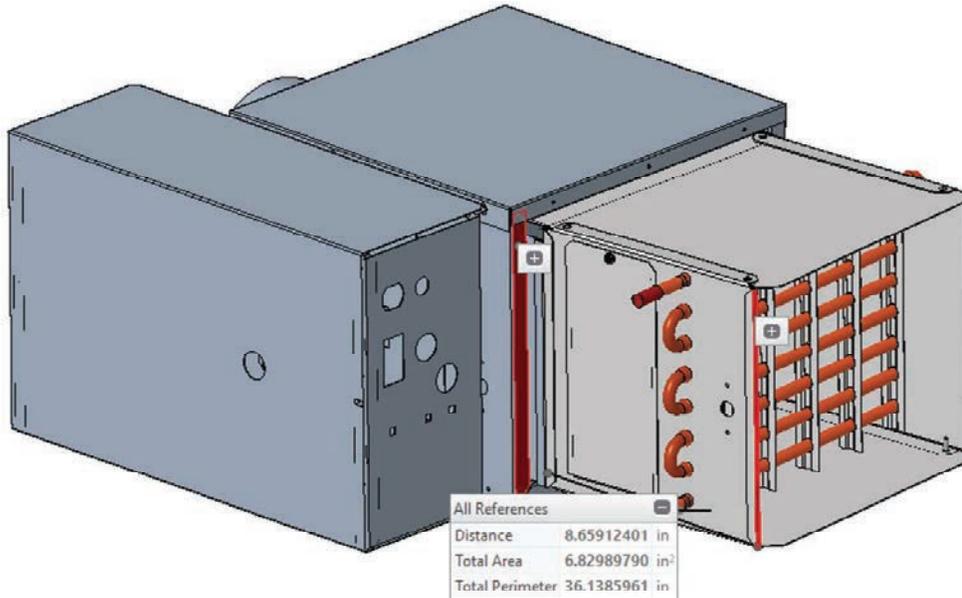
Instructions for replacing the 2016 to 2021 coils with the 2021 coils

1. Remove the sealant around the coil.
2. Remove the slip and drive between the duct and the coil.
3. Remove the slip and drive between the coil and the unit.
4. Remove the coil from the unit.
5. Install the new flange mounted coil over the back of the unit.
6. Shoot 6 self-taping screws to mount the coil to the unit (3 on top and 3 on bottom of the coil).
7. Coil connection options to discharge duct.

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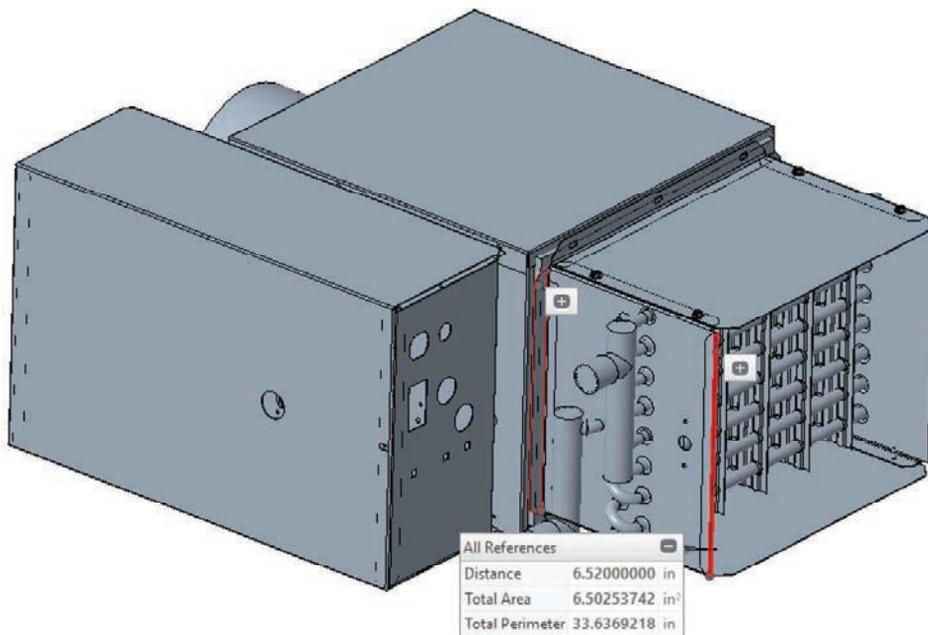
- a. If discharge ductwork is rigid, add 2-inch of duct between the current duct and the back of the coil (not supplied).
 - b. If discharge duct is flexible/movable, move the ductwork and attach directly to the back of the coil.
8. Seal all the joints (same as what was removed).

Figure 1. Post-2016 coil



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Figure 2. 2021 coil



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