Installation Instructions

NOTE: Read the entire instruction manual before starting the installation.

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SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with kits or accessories when installing. Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings on conduction to the potential for personal injury.

Recognize safety information. This is the safety-alert symbol △. When you see this symbol on the unit and in instruction manuals, be alert to the potential for personal injury. Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which will result in severe personal injury or death. WARNING signifies hazards which could result in personal injury or death. CAUTION is used to identify unsafe practices which may result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which will result in enhanced installation, reliability, or operation.

WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before installing or servicing unit, always turn off all power to unit. There may be more than 1 disconnect switch. Turn off accessory heater power, if applicable.

INTRODUCTION

Models FA4C, FC4D and FH4C are designed for flexibility and can be used for upflow, horizontal, or downflow (kit required) and manufactured and mobile home applications. These units are designed to meet the low air leak requirements currently in effect. Because of this, the units need special attention in the condensate pan and drain connection area and when brazing tubing. These units are available for systems of 18,000 through 60,000 Btuh nominal cooling capacity. Factory-authorized, field-installed electric heater packages are available in sizes 5 through 30kW. See Product Data literature for available accessory kits.

HEATER PACKAGES

This unit may or may not be equipped with an electric heater package. For units not equipped with factory-installed heat, a factory-approved, field-installed, UL listed heater package is available from your equipment supplier. See unit rating plate for a list of factory-approved heaters. Heaters that are not factory approved could cause damage which would not be covered under the equipment warranty. If fan coil contains a factory-installed heater package, minimum circuit ampacity (MCA) and maximum fuse/breaker may be different than units with a same size field-installed accessory heater. The differences is not an error and is due to calculation difference per UL guidelines.

INSTALLATION

Step 1 — Check Equipment

Unpack unit and move to final location. Remove carton taking care not to damage unit. Inspect equipment for damage prior to installation. File claim with shipping company if shipment is damaged or incomplete. Locate unit rating plate which contains proper installation information. Check rating plate to be sure unit matches job specifications.
Step 2 — Mount Unit
Unit can stand or lie on floor, or hang from ceiling or wall. Allow space for wiring, piping, and servicing unit.

IMPORTANT: When unit is installed over a finished ceiling and/or living area, building codes may require a field-supplied secondary condensate pan to be installed under the entire unit. Some localities may allow as an alternative, the running of a separate, secondary condensate line. Consult local codes for additional restrictions or precautions.

A. Upflow Installation
If return air is to be ducted through a floor, set unit on floor over opening and use 1/8 to 1/4” (3 to 6 mm) thick fireproof resilient gasket between duct, unit, and floor.

Side return is a field option on slope coil models. Cut opening per dimensions. (See Fig. 1.) A field-supplied bottom closure is required.

NOTE: Gasket kit number KFAHD0101SLP is also required for all downflow applications to maintain low air leak/low sweat performance.

B. Downflow Installation
In this application, field conversion of the evaporator is required using accessory downflow kit along with an accessory base kit. Use fireproof resilient gasket, 1/8 to 1/4” (3 to 6 mm) thick, between duct, unit, and floor.

NOTE: To convert units for downflow applications, refer to Installation Instructions supplied with kit for proper installation. For slope fan coils, use kit Part No. KFADC0201SLP. For A-coils, use kit Part No. KFADC0401ACL. Use fireproof resilient gasket, 1/8 to 1/4” (3 to 6 mm) thick, between duct, unit, and floor.

C. Horizontal Installation
Units must not be installed with access panels facing up or down. The FH4C003 and 004 size units equipped with accessory cooling coils are not approved for horizontal applications. All other units are factory built for horizontal left installation. (See Fig. 2 and 3.) When suspending unit from ceiling, dimples in casing indicate suitable location of screws for mounting metal support straps. (See Fig. 2.)

For horizontal applications having high return static and humid return air, the Water Management Kit, KFAHC0125AAA, may need to be used to assist in water management.
Fig. 4 - Removal of Brackets on Modular Units

**Horizontal Right Conversion of Units With Slope Coils**

**NOTE:** Gasket kit number KFAHD0101SLP is required for horizontal slope coil conversion to maintain low air leak/low sweat performance.

1. Remove blower and coil access panel and fitting panel. (See Fig. 5.)
2. Remove coil mounting screw securing coil assembly to right side casing flange.
3. Remove coil assembly.
4. Lay fan coil unit on its right side and reinstall coil assembly with condensate pan down. (See Fig. 5.)
5. Attach coil to casing flange using coil mounting screw previously removed.
6. Make sure the pan cap in the fitting door is properly seated on the fitting door to retain the low air leak rating of the unit.
7. Add gaskets from kit KFAHD per kit instructions.
8. Align holes with tubing connections and condensate pan connections, and reinstall access panels and fitting panel.

Make sure liquid and suction tube grommets are in place to prevent air leaks and cabinet sweating. Install after brazing.

Fig. 5 - Conversion for Horizontal Right Applications Using a Slope Coil

**Horizontal Right Conversion of Units With A-Coils**

1. Remove blower and coil access panels. (See Fig. 6.)
2. Remove metal clip securing fitting panel to condensate pan. Remove fitting panel.
3. Remove 2 snap-in clips securing A-coil in unit.
4. Slide coil and pan assembly out of unit.
5. Remove horizontal drain pan support bracket from coil support rail on left side of unit and reinstall on coil support rail on right side of unit. (See Fig. 7.)
6. Convert air-seal assembly for horizontal right.
   a. Remove air-seal assembly from coil by removing 4 screws. (See Fig. 6.)
   b. Remove air splitter (B) from coil seal assembly by removing 3 screws. (See Fig. 3-factory shipped inset.)
   c. Remove filter plate (A) and install air splitter (B) in place of filter plate.
   d. Install filter plate (A) as shown in horizontal right application.
   e. Remove condensate troughs (C) and install on opposite tube sheets.
   f. Install hose onto plastic spout.

Fig. 6 - Conversion for Horizontal Right Applications Using A-Coil

7. Install horizontal pan on right side of coil assembly.
8. Slide coil assembly into casing. Be sure coil bracket on each corner of vertical pan engages coil support rails.
9. Reinstall 2 snap-in clips to correctly position and secure coil assembly in unit. Be sure clip with large offsets is used on right side of unit to secure horizontal pan.
10. Remove two oval fitting caps from the left side of the coil door and fitting panel.
11. Remove insulation knockouts on right side of coil access panel.
12. Remove 2 oval coil access panel plugs and reinstall into holes on left side of coil access panel and fitting panel.

Fig. 7 - Drain Pan Support Bracket

7. Install horizontal pan on right side of coil assembly.
8. Slide coil assembly into casing. Be sure coil bracket on each corner of vertical pan engages coil support rails.
9. Reinstall 2 snap-in clips to correctly position and secure coil assembly in unit. Be sure clip with large offsets is used on right side of unit to secure horizontal pan.
10. Remove two oval fitting caps from the left side of the coil door and fitting panel.
11. Remove insulation knockouts on right side of coil access panel.
12. Remove 2 oval coil access panel plugs and reinstall into holes on left side of coil access panel and fitting panel.
13. Install condensate pan fitting caps (from item 10) in the right side of the coil door making sure that the cap snaps and seats cleanly on the back side of the coil door. Make sure no insulation interferes with seating of the cap.

14. Reinstall access fitting panels, aligning holes with tubing connections and condensate pan connections. Be sure to reinstall metal clip between fitting panel and vertical condensate pan.

Make sure liquid and suction tube grommets are in place to prevent air leaks and cabinet sweating.

D. Manufactured and Mobile Home Housing Applications

1. Fan coil unit must be secured to the structure using field-supplied hardware.

2. Allow a minimum of 24" (610 mm) clearance from access panels.

3. Recommended method of securing for typical applications:
   a. If fan coil is away from wall, attach pipe strap to top of fan coil using no. 10 self-tapping screws. Angle strap down and away from back of fan coil, remove all slack, and fasten to wall stud of structure using 5/16-in. lag screws. Typical both sides of fan coil.
   b. If fan coil is against wall, secure fan coil to wall stud using 1/8" (3 mm) thick right-angle brackets. Attach brackets to fan coil using no. 10 self-tapping screws and to wall stud using 5/16-in. lag screws. (See Fig. 8.)

Step 3 — Air Ducts

Connect supply-air duct over the outside of 3/4" (19 mm) flanges provided on supply-air opening. Secure duct to flange, using proper fasteners for type of duct used, and seal duct-to-unit joint. If return-air flanges are required, install factory-authorized accessory kit.

Use flexible connectors between ductwork and unit to prevent transmission of vibration. When electric heater is installed, use heat-resistant material for flexible connector between ductwork and unit at discharge connection. Ductwork passing through unconditioned space must be insulated and covered with vapor barrier.

Units equipped with 20-30kW electric heaters require a 1" (25 mm) clearance to combustible materials for the first 36" (914 mm) of supply duct.

Ductwork Acoustical Treatment

Metal duct systems that do not have a 90° elbow and 10’ (3m) of main duct to first branch takeoff may require internal acoustical insulation lining. As an alternative, fibrous ductwork may be used if constructed and installed in accordance with the latest edition of SMACNA construction standard on fibrous glass ducts. Both acoustical lining and fibrous ductwork shall comply with National Fire Protection Association as tested by UL Standard 181 for Class 1 air ducts.

Step 4 — Electrical Connections

All products from the factory utilize a printed-circuit board (PCB) which has a low voltage circuit protective fuse (5 amp), fan motor speed tap selection terminal (SPT), and time delay relay (TDR) jumper. To disable the TDR feature, sever the jumper wire JW1. (See Fig. 9 and 10.)

When a factory-approved accessory control package has been installed, check all factory wiring per unit wiring diagram and inspect factory wiring connections to be sure none were loosened in transit or installation. If a different control package is required, see unit rating plate.
PROPERTY DAMAGE HAZARD
Failure to follow this caution may result in product or property damage.
If a disconnect switch is to be mounted on unit, select a location where drill or fastener will not contact electrical or refrigerant components.

Before proceeding with electrical connections, make certain that supply voltage, frequency, phase, and ampacity are as specified on the unit rating plate. See unit wiring label for proper field high- and low-voltage wiring. Make all electrical connections in accordance with the NEC and any local codes or ordinances that may apply. Use copper wire only.
The unit must have a separate branch electric circuit with a field-supplied disconnect switch located within sight from, and readily accessible from, the unit.
On units with a factory-installed disconnect with pull-out removed, service and maintenance can be safely performed on only the load side of the control package.

ELECTRICAL SHOCK HAZARD
Failure to follow this warning could result in personal injury or death.
Field wires on the line side of the disconnect found in the fan coil unit remain live, even when the pull-out is removed. Service and maintenance to incoming wiring cannot be performed until the main disconnect switch (remote to the unit) is turned off.

WARNING
A. Line Voltage Connections
If unit will contain accessory electric heater, remove and discard power plug from fan coil and connect male plug from heater to female plug from unit wiring harness. (See Electric Heater Installation Instructions.)

For units without electric heater:
1. Connect 208/230v power leads from field disconnect to yellow and black stripped leads.
2. Connect ground wire to unit ground lug.

NOTE: Units installed without electric heat should have a field-supplied sheet metal block-off plate covering the heater opening. This will reduce air leakage and formation of exterior condensation.

B. 24-v Control System
Connection To Unit
Wire low voltage in accordance with wiring label on the blower. (See Fig. 11 through 16.) Use no. 18 AWG color-coded, insulated (35°C minimum) wire to make the low-voltage connections between the thermostat, the unit, and the outdoor equipment. If the thermostat is located more than 100' (30 m) from the unit (as measured along the low-voltage wire), use no. 16 AWG color-coded, insulated (35°C minimum) wire. All wiring must be NEC Class 1 and must be separated from incoming power leads.
Refer to outdoor unit wiring instructions for any additional wiring procedure recommendations.
Transformer Information
Transformer is factory-wired for 230v operation. For 208v applications, disconnect the black wire from the 230v terminal on transformer and connect it to the 208v terminal. (See Fig. 17.)

Heater Staging

PROPERTY DAMAGE HAZARD
Failure to follow this caution may result in product or property damage.

If W2, W3, and E on any 3 stage heater (18, 20, 24, or 30kW) are individually connected as with outdoor thermostats or any other situation, emergency heat relay must be used. This relay is in kit Part No. KHOT0201SEC and is normally used with kit Part No. KHAOT0301FST for 2 outdoor thermostat systems.

The controls are factory circuited for single-stage operation. For 2-stage operation, use outdoor thermostat kit Part No. KHAOT0301FST, and for 3-stage use both kits Part No. KHAOT0201SEC and KHAOT0301FST.

When 2 stages are desired, cut W3 at the W2 wire nut, strip and reconnect per the thermostat kit instruction. (See Fig. 14.) When 3 stages are desired, cut the W2 wire nut off and discard. Strip W2, W3, and E and reconnect per thermostat kit instructions. (See Fig. 15.)

NOTE: When 3 stages are used or anytime the E terminal is not tied to W2, the emergency heat relay, part of outdoor kit Part No. KHAOT0201SEC must be used.

C. Manufactured Housing
In manufactured housing applications, the Code of Federal Regulations, Title 24, Chapter XX, Part 3280.714 requires that supplemental electric heat be locked out at outdoor temperatures above 40°F (4°C), except for a heat pump defrost cycle. Refer to Fig. 16 for typical low voltage wiring with outdoor thermostat.

D. Ground Connections
NOTE: Use UL-listed conduit and conduit connector for connecting supply wire(s) to unit to obtain proper grounding. Grounding may also be accomplished by using grounding lugs provided in control box.
ELECTRICAL SHOCK HAZARD
Failure to follow this warning could result in personal injury or death.
According to NEC, ANSI/NFPA 70, and local codes, the cabinet must have an uninterrupted or unbroken ground to minimize personal injury if an electrical fault should occur. The ground may consist of electrical wire or metal conduit when installed in accordance with existing electrical codes. If conduit connection uses reducing washers, a separate ground wire must be used.

E. Minimum CFM and Motor Speed Selection
Units with or without electric heaters require a minimum CFM. Refer to the unit wiring label to ensure that the fan speed selected is not lower than the minimum fan speed indicated.
Fan speed selection for FA4C and FH4C models is done at the fan relay printed-circuit board. To change motor speeds, disconnect fan lead used on relay terminal (SPT) and replace with motor speed tap desired. (See Fig. 18.) Save insulating cap and place on motor lead removed from relay.

Fig. 18 - Fan Coil Relay and Speed Tap Terminal for FA4C and FH4C Models
NOTE: In low static applications, lower motor speed tap should be used to reduce possibility of water being blown off coil.
Some units have 3 motor speed taps. Low speed (red) is designed for mismatched outdoor unit applications. Medium speed (blue) is designed for straight matched operations. High speed (black) is used with high external static duct systems of straight matched systems.
The fan speed selection on the FC4D models is done at the motor. To change motor speeds, disconnect fan lead from terminal 2 and move to desired speed tap; Low speed (1), Medium (2), and High (3).

Step 5 — Refrigerant Tubing Connection and Evacuation
Use accessory tubing package or field-supplied tubing of refrigerant grade. Suction tube must be insulated. Do not use damaged, dirty, or contaminated tubing because it may plug refrigerant flow-control device. ALWAYS evacuate the coil and field-supplied tubing to 500 microns before opening outdoor unit service valves.

PRODUCT DAMAGE HAZARD
Units have sweat suction and liquid tube connections. Make suction tube connection first.
1. Cut tubing to correct length.
2. Insert tube into sweat connection on unit until it bottoms.
3. Braze connection using silver bearing or non-silver bearing brazing materials. Do not use solder (materials which melt below 800°F / 427°C). Consult local code requirements.

Step 6 — Refrigerant Flow-Control Device

PRODUCT DAMAGE HAZARD
Failure to follow this caution may result in product or property damage.
Wrap a wet cloth around rear of fitting to prevent damage to TXV and factory-made joints.

Step 7 — Condensate Drains
To connect drains, the cap openings must be removed. Use a knife to start the opening near the tab and using pliers, pull the tab to remove the disk. Clean the edge of the opening if necessary and install the condensate line. Finally caulk around the lines where they exit the fitting to retain the low leak rating of the unit.

UNIT OR PROPERTY DAMAGE HAZARD
The conversion of the fan coil to downflow requires special procedures for the condensate drains on both A-coil and slope units. The vertical drains have an overflow hole between the primary and secondary drain holes. This hole is plugged for all applications except downflow, but must be used for downflow.
During the conversion process, remove the plastic cap covering the vertical drains only and discard. Remove the plug from the overflow hole and discard. At completion of the downflow installation, caulk around the vertical pan fitting to door joint to retain the low air leak performance of the unit.
Units are equipped with primary and secondary 3/4-in. FPT drain connections. For proper condensate line installations see Fig. 1, 2, 3, 5 and 6. To prevent property damage and achieve optimum drainage performance, BOTH primary and secondary drain lines should be installed and include properly-sized condensate traps. (See Fig. 19 and 20.) Factory-approved condensate traps are available. It is recommended that PVC fittings be used on the plastic condensate pan. Finger-tighten plus 1-1/2 turns. Do not over-tighten. Use pipe dope.

**Fig. 19 - Recommended Condensate Trap**

**Fig. 20 - Condensate Trap and Unit**

**CAUTION**

**PROPERTY DAMAGE HAZARD**

Failure to follow this caution may result in product or property damage.

Shallow running traps are inadequate and DO NOT allow proper condensate drainage. (See Fig. 21.)

**NOTE:** When connecting condensate drain lines, avoid blocking filter access panel, thus preventing filter removal. After connection, prime both primary and secondary condensate traps.

**NOTE:** If unit is located in or above a living space where damage may result from condensate overflow, a field-supplied, external condensate pan should be installed underneath the entire unit, and a secondary condensate line (with appropriate trap) should be run from the unit into the pan. Any condensate in this external condensate pan should be drained to a noticeable place. As an alternative to using an external condensate pan, some localities may allow the use of a separate 3/4” (19 mm) condensate line (with appropriate trap) to a place where the condensate will be noticeable. The owner of the structure must be informed that when condensate flows from the secondary drain or external condensate pan, the unit requires servicing or water damage will occur.

Install traps in the condensate lines as close to the coil as possible. (See Fig. 20.) Make sure that the outlet of each trap is below its connection to the condensate pan to prevent condensate from overflowing the drain pan. Prime all traps, test for leaks, and insulate traps if located above a living area. Condensate drain lines should be pitched downward at a minimum slope of 1” (25 mm) for every 10’ (3 m) of length. Consult local codes for additional restrictions or precautions.

**Step 8 — Accessories**

**A. Electronic Air Cleaner**

The Electronic Air Cleaner may be connected to fan coil as shown in Fig. 22. This method requires a field supplied transformer. See Electronic Air Cleaner literature for kit requirements.

**B. Humidifier**

Connect humidifier and humidistat to fan coil unit as shown in Fig. 23 and Fig. 24. The cooling lockout relay is optional. (See Fig. 23.)

**Fig. 21 - Insufficient Condensate Trap**

**Fig. 22 - Wiring Layout of Electronic Air Cleaner to Fan Coil for FY4A Models Only**
Step 9 — Sequence of Operation

A. Continuous Fan
Thermostat closes R to G. G energizes fan relay on PCB which completes circuit to indoor blower motor. When G is de-energized, there is a 90-sec delay before relay opens.

B. Cooling Mode
Thermostat energizes R to G, R to Y, and R to O (heat pump only). G energizes fan relay on PCB which completes circuit to indoor blower motor. When G is de-energized, there is a 90-sec delay before fan relay opens.

C. Heat Pump Heating Mode
Thermostat energizes R to G and R to Y. G energizes fan relay on PCB which completes circuit to indoor blower motor. When G is de-energized, there is a 90-sec delay before fan relay opens.

D. Heat Pump Heating with Auxiliary Electric Heat
Thermostat energizes R to G, R to Y, and R to W. G energizes fan relay on PCB which completes circuit to indoor blower motor. W energizes electric heat relay(s) which completes circuit to heater element(s). When W is de-energized, electric heat relay(s) open, turning off heater elements. When G is de-energized there is a 90-sec delay before fan relay opens.

E. Electric Heat or Emergency Heat Mode
Thermostat closes R to W. W energizes electric heat relay(s) which completes circuit to heater element(s). Blower motor is energized through normally closed contacts on fan relay. When W is de-energized, electric heat relay(s) opens.

START-UP PROCEDURES
Refer to outdoor unit Installation Instructions for system start-up instructions and refrigerant charging method details.

UNIT COMPONENT HAZARD
Failure to follow this caution may result in product damage. Never operate unit without a filter. Damage to blower motor or coil may result. Factory authorized filter kits must be used when locating the filter inside the unit. For those applications where access to an internal filter is impractical, a field-supplied filter must be installed in the return duct system.

CARE AND MAINTENANCE
To continue high performance and minimize possible equipment failure, it is essential that periodic maintenance be performed on this equipment. Consult your local dealer as to the proper frequency of maintenance contract. The ability to properly perform maintenance on this equipment requires certain mechanical skills and tools. If you do not possess these, contact your dealer for maintenance. The only consumer service recommended or required is filter replacement or cleaning on a monthly basis.
### AIRFLOW PERFORMANCE TABLES

#### Table 1 – Airflow Performance (CFM)

<table>
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<th>MODEL &amp; SIZE</th>
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<tr>
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### NEWS:

1. Airflow based upon dry coil at 230v with factory-approved filter and electric heater (2 element heater sizes 018 through 036, 3 element heater sizes 042 through 060). Airflow at 208 volts is approximately 10% lower. For FC4D models, airflow at 208 volts is approximately the same as 230 volts because the X13 motor is a constant torque motor. The torque doesn’t drop off at the speeds the motor operates.

2. To avoid potential for condensate blowing out of drain pan prior to making drain trap:
   - Return static pressure must be less than 0.40 in. wc.
   - Horizontal applications of 042 ~ 060 sizes must have supply static greater than 0.20 in. wc.

3. Airflow above 400 cfm/ton on 048 ~ 060 size could result in condensate blowing off coil or splashing out of drain pan.

#### Table 2 – Air Delivery Performance Correction Component Pressure Drop (in. wc) at Indicated Airflow (Dry to Wet Coil)

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<th>FA, FC SIZE</th>
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</table>
Table 3 – Factory-Installed Filter Static Pressure Drop (in. wc)

<table>
<thead>
<tr>
<th>FA, FC SIZE</th>
<th>CFM 400</th>
<th>600</th>
<th>800</th>
<th>1000</th>
<th>1200</th>
<th>1400</th>
<th>1600</th>
<th>1800</th>
<th>2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>018</td>
<td>0.020</td>
<td>0.044</td>
<td>0.075</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>024, 030</td>
<td>–</td>
<td>0.022</td>
<td>0.048</td>
<td>0.072</td>
<td>0.100</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<tr>
<td>036, 042, 048</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>0.051</td>
<td>0.070</td>
<td>0.092</td>
<td>0.120</td>
<td>0.152</td>
<td>–</td>
</tr>
<tr>
<td>060</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>0.086</td>
<td>0.105</td>
<td>0.130</td>
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</table>

Table 4 – Electric Heater Static Pressure Drop (in. wc)

<table>
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<th>FH4C UNIT SIZE</th>
<th>CFM 400</th>
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<th>800</th>
<th>1000</th>
<th>1200</th>
<th>1400</th>
<th>1600</th>
<th>1800</th>
<th>2000</th>
</tr>
</thead>
<tbody>
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<td>001</td>
<td>–</td>
<td>0.044</td>
<td>0.075</td>
<td>0.110</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<tr>
<td>002</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>0.072</td>
<td>0.100</td>
<td>0.130</td>
<td>–</td>
<td>–</td>
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<tr>
<td>003</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>0.092</td>
<td>0.120</td>
<td>0.152</td>
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</tr>
<tr>
<td>004</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>0.120</td>
<td>0.152</td>
<td>0.187</td>
</tr>
</tbody>
</table>

The airflow performance data was developed using fan coils with 10–kW electric heaters (2 elements) in FA4C / FC4D sizes 018 through 036 and FH4C sizes 001 and 002 and 15–kW heaters (3 elements) in FA4C / FC4D sizes 042 through 060 and FH4C sizes 003 and 004. For fan coils with heaters of a different number of elements, the available external static at a given CFM from the curve may be corrected by adding or subtracting available external static pressure as indicated above.