

MANUAL – INSTALLATION

Horizontal Low-Profile Fan Coils

FCHC, FCHP, FCHE

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PRICE[®]

HORIZONTAL LOW-PROFILE FAN COILS

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HORIZONTAL LOW-PROFILE FAN COILS

PRODUCT OVERVIEW

Safety Precautions

- A. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- B. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- C. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer:

In the United States

2975 Shawnee Ridge Court
Suwanee, Georgia USA 30024
Ph: 770.623.8050
Fax: 770.623.6404

*In Canada or International Export
Sales Office*

638 Raleigh Street
Winnipeg, Manitoba
Canada R2K 3Z9
Ph: 204.669.4220
Fax: 204.663.2715

- D. Before servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally.
- E. Protect flammable materials nearby when brazing, Use flame and heat protection barriers where needed. Always have a fire extinguisher ready.
- F. The manufacturer assumes no responsibility for personal injury or property damage resulting from improper handling, installation, service or operation of the product.

Caution to Contractors

1. Fan coil units are not intended for use as temporary heat or ventilation sources during building construction. The fan coil units are not designed nor equipped to operate in a dusty construction environment. Recirculating fan wheels can become coated in construction dust, resulting in an unbalanced wheel, which may contribute to reduced motor life. Inlet air filters, if supplied, provide little protection as they would quickly become plugged with construction dust.
2. Price recommends a minimum of three (3) duct diameters of straight inlet duct, the same size as the inlet, between the unit inlet and any transition, take-offs or fittings.
3. Price recommends sufficient clearance for access panel removal. Local code and the National Electrical Code clearance requirements take precedence and are the responsibility of the installing contractor.

NOTE: Price cannot warrant against any damage or poor performance due to operating outside of the conditions outlined above.

Receiving Inspection

All Price fan coil units are inspected before shipment. After unpacking the assembly, check it for damage. If any damage to the products is found, report it immediately to the delivery carrier. Caution is required when unpacking the fan powered units with electric coils as not to damage the elements.

Ensure that all packing material is removed from the inside of the unit, especially around the blower wheel and coil section.

WARNING: Do not adjust the control components.

HORIZONTAL LOW-PROFILE FAN COILS

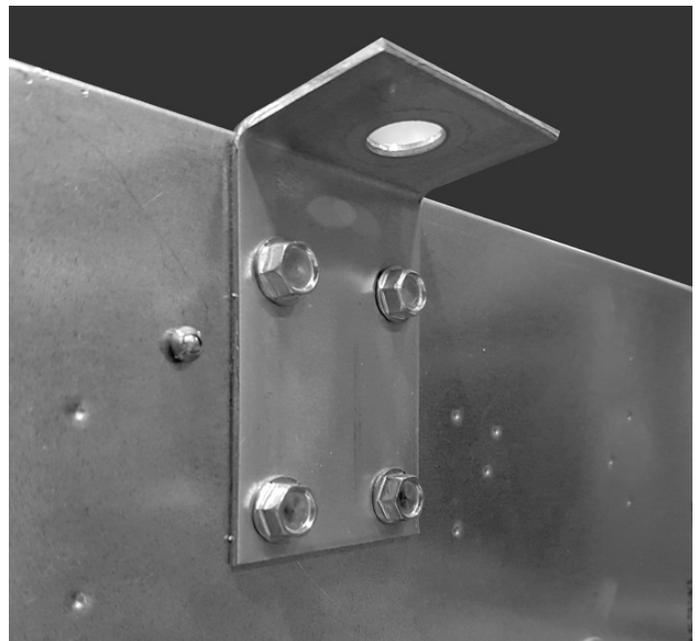
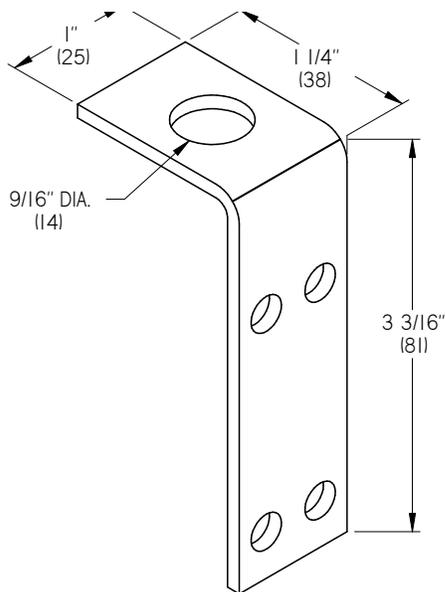
INSTALLATION & MOUNTING INSTRUCTIONS

Installation

Price fan coils are designed to be durable and manufactured for sturdy construction. The units must still be handled with great care and no force or pressure applied to the coil or piping. When handled, the unit should be carried in an upright position holding onto the mounting points. The fan coils are not suitable for outdoor installations. The units should never be stored or installed where it may be subjected to a hostile environment such as rain, snow, or extreme temperatures. Care must be taken during and after installation to prevent foreign material such as paint, drywall mud or dust from entering the drain pan or the motor or blower wheels. Failure to do so may have serious effects on the unit performance and may cause premature failure if foreign material is allowed to be deposited into the motor or blower. Some job conditions may require the unit to be covered temporarily until installation.

WARNING: Do not tamper with control components.

OPTIONAL HANGER BRACKETS ▼



HORIZONTAL LOW-PROFILE FAN COILS

INSTALLATION & MOUNTING INSTRUCTIONS

Concealed Horizontal Fan Coils

Mounting the Unit

1. Use trapeze hanger or optional factory supplied hanger brackets as illustrated. Hanging rods should be securely attached to joists or to mounting anchors which are properly secured to slab construction with lugs or poured in place anchors.
2. Price Fan Coil Units are designed to be mounted in the direction indicated by the Control Assembly Label found on the protective shroud.
3. Do not block the bottom access panel, maintain clearance for blower service.
4. Do not install tight to slab, avoid contact with other obstacles such as rigid conduit and sprinkler piping. This can cause excessive vibration and noise transmission.
5. Install the unit in a location that allows free access to the unit as well as all control components.
6. Ensure main power to the terminal has been disconnected prior to performing any electrical work or inspection of the circuitry.

WARNING: Do not tamper with control components.

Cooling/Heating Pipe Connections

The valve packages are easily damaged when introduced to excessive amounts of heat. Great caution must be made when the connections are made with “sweat” or solder joints. The valve must be in the open position during all soldering and brazing operations. Heat should be dissipated with a wet cloth wrapped around the valve body.

Electrical Connection

CAUTION: Disconnect all incoming power before any electrical installation or service is performed on the unit(s).

1. All field wiring is to be in accordance with the National Electrical Code ANSI/NFPA No. 70 or the Canadian Electrical Code, Part 1, CSA Standard C 22.1. Local codes and the National Electrical Code requirements take precedence over manufacturer recommendations, and adherence to these codes shall be the responsibility of the installing contractor.
2. Refer to the product identification label on each unit for information to determine the field wire size.

3. Check voltage requirements prior to power supply connection. Refer to the electrical label located on the electrical control box and also refer to the schematic drawing provided on the underside of the electrical control box cover.
4. If upon energizing the electric motor excessive noise is apparent, shut down the unit. Determine the cause by checking for packing materials, etc. and re-energize after corrective action has been taken.

Auxiliary Drain Pan Mounting

Auxiliary drain pan is mounted inside the attached drain pan. See Figure A to properly align the mounting holes and install the screw from the inside out. Once the screws are installed ensure drain pan is in proper position leaning down against the attached drain pan. See Figure B for proper positioning.

FIGURE A ▼

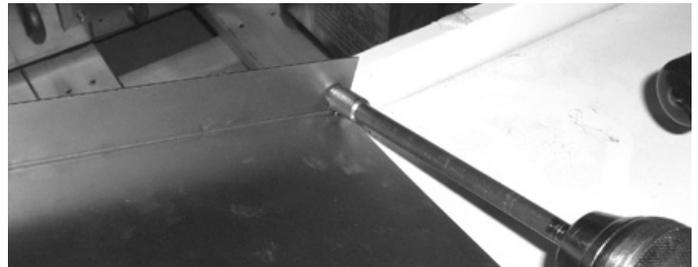
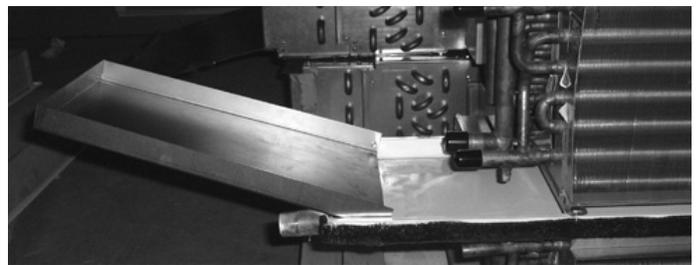


FIGURE B ▼



HORIZONTAL LOW-PROFILE FAN COILS

INSTALLATION & MOUNTING INSTRUCTIONS

FCHP Filter Replacement

1. To remove the filter, open the filter fastener on the bottom of the plenum (**Figure 1**).
2. Slide our filter (**Figure 2**).
3. Slide in the new filter and close the filter fastener.

FIGURE 1 ▼



FIGURE 2 ▼



HORIZONTAL LOW-PROFILE FAN COILS

INSTALLATION & MOUNTING INSTRUCTIONS

Start up and Operation

General

Before beginning start up operation, familiarize yourself with the unit, options, accessories and controls so you understand proper system operation. All personnel should have a good working knowledge of general start-up procedures and have the appropriate start-up and balancing guides available for consultation.

NOTE: Water coils are not to be flipped in the field. This will cause loss of performance due to improper piping and condensate issues due to inadequate drainage.

Cooling/Heating Coils

Prior to the water system start-up and balancing, the chilled/hot water systems should be flushed to clean out dirt and debris, which may have collected in the piping during construction.

During this procedure, all unit service valves must be in the closed position. This prevents foreign matter from entering the unit and clogging the valves and metering devices. Filters should be installed in the piping mains to prevent this material from entering the units during normal operation. During system filling, air venting from the unit is accomplished by the use of the standard manual air vent fitting installed on the coil. Manual air vent fitting: the screw should be turned counterclockwise no more than 1-1/2 turns to operate the air vent.

CAUTION: The air vent provided on the unit is not intended to replace the main system air vents and may not release air trapped in other parts of the system. Inspect the entire system for potential air traps and vent those areas as required, independently. In addition, some systems may require repeated venting over a period of time to properly eliminate air from the system.

Water System Balancing

A complete knowledge of the hydronic system, its components, and controls is essential to proper water system balancing and this procedure should not be attempted by unqualified personnel. The system must be complete and all components must be in operating condition BEFORE beginning water system balancing operations. Each hydronic system has different operating characteristics depending on the devices and controls in the system. The actual balancing technique may vary from one system to another.

After the proper system operation is established, the appropriate system operating conditions such as various water temperatures and flow rates should be recorded in a convenient place for future reference. Before and during water system balancing, conditions may exist which can result in noticeable water noise or undesired valve operation due to incorrect system pressures. After the entire system is balanced, these conditions will not exist on properly designed systems.

Air System Balancing

All ductwork must be complete and connected, and all grilles, filters, access doors and panels must be properly installed to establish actual system operating conditions BEFORE beginning air balancing operations. Each individual unit and attached ductwork is a unique system with its own operating characteristics. For this reason, air balancing is normally done by balance specialists who are familiar with all procedures required to properly establish air distribution and fan system operating conditions.

These procedures should not be attempted by unqualified personnel.

After the proper system operation is established, the actual unit air delivery and the actual fan motor amperage draw for each unit should be recorded in a convenient place for future reference such as the inspection, installation, & start-up check sheet, a copy of which is provided on the back of this manual. Contact the sales representative or the factory for additional copies of this sheet.

The manufacturer assumes no responsibility for undesirable system operation due to improper design, equipment or component selection, and/or installation of ductwork, grilles, and other field supplied components.

HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

Troubleshooting Guide

General	<ol style="list-style-type: none">1. Confirm fan coil size and rating with blueprint and schedule (check Control Assembly label on terminal unit).2. Visually check electrical connections with the Control Wiring diagram(s) located inside the electrical enclosure or in the applicable controls brochure.3. Verify that the supply voltage is the same as specified on the control diagram(s) or Voltage Information label.
Noise	<ol style="list-style-type: none">1. Foreign material in fan.2. Fan or duct size selection too small for application causing high air velocity.3. Vibrating duct work.4. Unbalanced fan wheel causing it to hit the housing.
Fan Does Not Operate	<ol style="list-style-type: none">1. Check the unit wiring against the provided Control and Wiring diagrams. See inside cover of the electrical enclosure for diagrams.2. Verify that the disconnect switch or breaker is not opened.3. Check for proper control signal from thermostat. See thermostat for full heating and monitor output.4. Fan wheel may be touching the housing.
Air Volume not as Specified	<ol style="list-style-type: none">1. Check filter for excessive dust build-up.2. Check fan for particle blockage.3. Check coils for particle blockage.4. Measure downstream static pressure; compare to fan curve.5. Verify that the supply voltage is the same as specified on the wiring diagram. See wiring diagram pasted on the inside of the electrical enclosure or in the applicable controls brochure.6. Insulating duct liner loose.

HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

Fan and Motor

1. Disconnect all incoming power before servicing the unit.
2. Price fan powered fan coil units are supplied with permanently lubricated motors.
3. The blower and motor should be inspected annually for accumulation of dust and dirt. Clean as necessary.
4. To access blower and motor for servicing, remove the bottom access panel or alternate access panels if equipped.
CAUTION: Motor may be very hot. Ensure motor has cooled before service.
5. Motors are provided with thermal overload protection. If the motor overheats and trips the thermal overload, it will automatically reset after cooling down to a proper operating temperature.
6. If field amperage draw readings of the fan motor are required, measurements should be taken with a true RMS meter. Non-true RMS meters will not provide accurate reading due to alteration of the sine wave by the fan speed control. Refer to Page 7 for motor voltage equations.

Coils

1. Disconnect all incoming power before servicing unit.
2. To access coils for servicing, remove the coil access door (optional), or remove blower and motor assemblies.
3. The coil should be inspected periodically for accumulation of dust and dirt. Clean as necessary. Cleaning can be done by brushing the coils in the direction of the fins. Compressed air can also be used to blow out dust particles in the coil. Vacuum all dust particles so they cannot damage the blower and motor.

Filter(s)

1. Filters, if supplied, should be replaced or removed after system start-up.
2. If filters are used beyond system start-up they should be changed regularly to avoid excessive restriction of air flow. The time interval between each replacement should be established based on regular inspection of the filter and should be recorded in the log for each unit.
3. Refer to the "Replacement Parts" section of this manual for list of replacement filter media.
4. If the replacement filters are not purchased from the factory, the filters used should be the same type and size as that furnished from or recommended by the factory. Consult the factory for applications using filter types other than the factory standard or optional product.

Electronically Commutated Motor (ECM) Information

Do not switch 120/208/240/277 VAC power to turn ECM motor on and off. Instead control the 24VAC signal or BAS signal to turn the ECM motor on and off. The ECM motor has large capacitors that charge quickly on mains power up. Switching on several motors frequently could reduce building power quality and is not recommended.

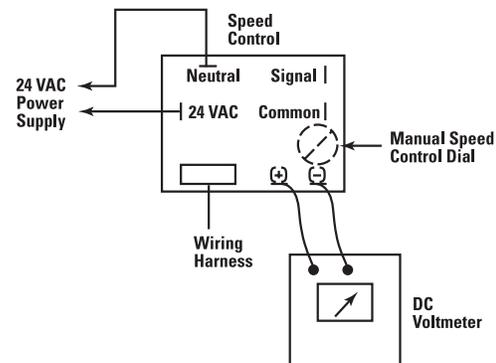
Standard ECM Speed Controller

The Price standard speed controller allows manual adjustment of the fan flow using the adjustment dial on the control board and a voltmeter. Remote control of the fan speed is also possible with the BAS input. The following chart describes the controller response to a 0-10 VDC input.

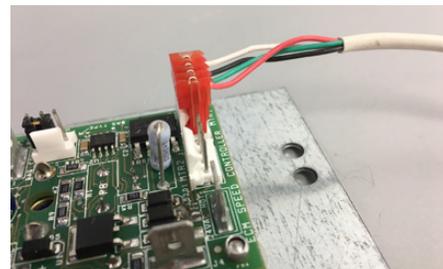
Input Voltage	Mode of Operation
0-1 VDC	Manual Control
1-2 VDC	Fan Off
2-10 VDC	Remote Control 0 - 100%

Note: Refer to "Fan Curves" performance data documents for fan curves.

CONTROL ASSEMBLY LABEL ▼



ECM CABLE CONNECTION ▼



NOTE: Cable must be installed in the configuration or the unit will not function as expected.

HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

FCHP Filters

The type of throwaway filter most commonly used on fan coil units should be replaced on a regular basis. The time interval between each replacement should be established based on regular inspection of the filter and should be recorded in the log for each unit. Refer to the chart for recommended filter size for each product type and size. If the replacement filters are not purchased from the factory, the filters used should be the same type and size as that furnished from or recommended by the factory. Pleated media or extended surface filters should not be used since the high air pressure drops encountered with these types of filters is not compatible with the type of fan coil unit covered in this manual. Consult the factory for applications using filter types other than the factory standard or optional product.

Unit Size	Filter Face Area	Nominal Filter Sizes Rear Return	Nominal Filter Sizes Bottom Return
02	1.14	10 1/4 x 16 x 2	10 1/4 x 16 x 1
03	1.42	10 1/4 x 20 x 2	10 1/4 x 20 x 1
04	1.85	10 1/4 x 26 x 2	10 1/4 x 26 x 1
06	2.28	(2) 10 1/4 x 16 x 2	(2) 10 1/4 x 16 x 1
08	2.85	(2) 10 1/4 x 20 x 2	(2) 10 1/4 x 20 x 1
10	3.70	(2) 10 1/4 x 26 x 2	(2) 10 1/4 x 26 x 1
12	4.27	(3) 10 1/4 x 20 x 2	(3) 10 1/4 x 20 x 1

HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

Replacement Parts

Component		Part#	Description
Fan Motors (ECM) NOTE: Contact factory to ensure motors are programmed with Modulating or 3-Speed Motor Program.		019598-001	115-240 V - 1/4 HP - Single Shaft (FCH 02, 03, 10)
		019598-002	277 V - 1/4 HP - Single Shaft (FCH 02, 03, 10)
		019598-003	115-240 V - 1/4 HP - Dual Shaft (FCH 04, 06, 08, 10, 12)
		019598-004	277 V - 1/4 HP - Dual Shaft (FCH 04, 06, 08, 10, 12)
ECM Wiring Harnesses		019186-017	ECM Cable, 6 ft. (FCH 02, 03, 04, 10)
		019186-018	ECM Cable, 2 ft. (FCH 06, 08, 10, 12)
ECM Speed Controller		232953-100	ECM Speed Controller
Disconnect Switch		019903-001	115 V / 277 V Single Pole
		019903-003	208 V / 240 V Double Pole
Blowers		100152-001	Left Hand Blower (FCH 02, 03, 04, 06, 08, 10, 12)
		100152-002	Right Hand Blower (FCH 04, 06, 08, 10, 12)
Water Coils	2 Row Chilled Water Right Hand	508775-021	FCH 02, 1 Circuit, Right Hand
		508775-031	FCH 03, 1 Circuit, Right Hand
		508775-041	FCH 04, 1 Circuit, Right Hand
		508775-061	FCH 06, 1 Circuit, Right Hand
		508775-081	FCH 08, 1 Circuit, Right Hand
		508775-082	FCH 08, 2 Circuit, Right Hand
		508775-101	FCH 10, 1 Circuit, Right Hand
		508775-102	FCH 10, 2 Circuit, Right Hand
		508775-122	FCH 12, 2 Circuit, Right Hand
	2 Row Chilled Water Left Hand	508779-021	FCH 02, 1 Circuit, Left Hand
		508779-031	FCH 03, 1 Circuit, Left Hand
		508779-041	FCH 04, 1 Circuit, Left Hand
		508779-061	FCH 06, 1 Circuit, Left Hand
		508779-081	FCH 08, 1 Circuit, Left Hand
		508779-082	FCH 08, 2 Circuit, Left Hand
		508779-101	FCH 10, 1 Circuit, Left Hand
		508779-102	FCH 10, 2 Circuit, Left Hand
		508779-122	FCH 12, 2 Circuit, Left Hand

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HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

Replacement Parts Continued...

Component		Part#	Description
Water Coils	3 Row Chilled Water Right Hand	508776-021	FCH 02, 1 Circuit, Right Hand
		508776-031	FCH 03, 1 Circuit, Right Hand
		508776-041	FCH 04, 1 Circuit, Right Hand
		508776-042	FCH 04, 2 Circuit, Right Hand
		508776-061	FCH 06, 1 Circuit, Right Hand
		508776-062	FCH 06, 2 Circuit, Right Hand
		508776-082	FCH 08, 2 Circuit, Right Hand
		508776-083	FCH 08, 3 Circuit, Right Hand
		508776-102	FCH 10, 2 Circuit, Right Hand
		508776-103	FCH 10, 3 Circuit, Right Hand
		508776-122	FCH 12, 2 Circuit, Right Hand
	508776-123	FCH 12, 3 Circuit, Right Hand	
	3 Row Chilled Water Left Hand	508780-021	FCH 02, 1 Circuit, Left Hand
		508780-031	FCH 03, 1 Circuit, Left Hand
		508780-041	FCH 04, 1 Circuit, Left Hand
		508780-042	FCH 04, 2 Circuit, Left Hand
		508780-061	FCH 06, 1 Circuit, Left Hand
		508780-062	FCH 06, 2 Circuit, Left Hand
		508780-082	FCH 08, 2 Circuit, Left Hand
		508780-083	FCH 08, 3 Circuit, Left Hand
		508780-102	FCH 10, 2 Circuit, Left Hand
		508780-103	FCH 10, 3 Circuit, Left Hand
		508780-122	FCH 12, 2 Circuit, Left Hand
	508780-123	FCH 12, 3 Circuit, Left Hand	
	4 Row Chilled Water Right Hand	508777-021	FCH 02, 1 Circuit, Right Hand
		508777-031	FCH 03, 1 Circuit, Right Hand
		508777-032	FCH 03, 2 Circuit, Right Hand
		508777-041	FCH 04, 1 Circuit, Right Hand
		508777-042	FCH 04, 2 Circuit, Right Hand
		508777-062	FCH 06, 2 Circuit, Right Hand
		508777-063	FCH 06, 3 Circuit, Right Hand
		508777-082	FCH 08, 2 Circuit, Right Hand
		508777-083	FCH 08, 3 Circuit, Right Hand
508777-102		FCH 10, 2 Circuit, Right Hand	
508777-103		FCH 10, 3 Circuit, Right Hand	
508777-123	FCH 12, 3 Circuit, Right Hand		
508777-127	FCH 12, 7 Circuit, Right Hand		

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HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

Replacement Parts Continued...

Component		Part#	Description
Water Coils	4 Row Chilled Water Left Hand	508781-021	FCH 02, 1 Circuit, Left Hand
		508781-022	FCH 02, 2 Circuit, Left Hand
		508781-031	FCH 03, 1 Circuit, Left Hand
		508781-032	FCH 03, 2 Circuit, Left Hand
		508781-042	FCH 04, 2 Circuit, Left Hand
		508781-043	FCH 04, 3 Circuit, Left Hand
		508781-062	FCH 06, 2 Circuit, Left Hand
		508781-063	FCH 06, 3 Circuit, Left Hand
		508781-082	FCH 08, 2 Circuit, Left Hand
		508781-083	FCH 08, 3 Circuit, Left Hand
		508781-103	FCH 10, 3 Circuit, Left Hand
		508781-105	FCH 10, 5 Circuit, Left Hand
		508781-123	FCH 12, 3 Circuit, Left Hand
		508781-125	FCH 12, 5 Circuit, Left Hand
	5 Row Chilled Water Right Hand	508778-021	FCH 02, 1 Circuit, Right Hand
		508778-022	FCH 02, 2 Circuit, Right Hand
		508778-031	FCH 03, 1 Circuit, Right Hand
		508778-032	FCH 03, 2 Circuit, Right Hand
		508778-042	FCH 04, 2 Circuit, Right Hand
		508778-043	FCH 04, 3 Circuit, Right Hand
		508778-062	FCH 06, 2 Circuit, Right Hand
		508778-063	FCH 06, 3 Circuit, Right Hand
		508778-082	FCH 08, 2 Circuit, Right Hand
		508778-083	FCH 08, 3 Circuit, Right Hand
		508778-103	FCH 10, 3 Circuit, Right Hand
		508778-105	FCH 10, 5 Circuit, Right Hand
		508778-123	FCH 12, 3 Circuit, Right Hand
		508778-125	FCH 12, 5 Circuit, Right Hand
	5 Row Chilled Water Left Hand	508782-021	FCH 02, 1 Circuit, Left Hand
		508782-022	FCH 02, 2 Circuit, Left Hand
		508782-031	FCH 03, 1 Circuit, Left Hand
		508782-032	FCH 03, 2 Circuit, Left Hand
		508782-042	FCH 04, 2 Circuit, Left Hand
		508782-043	FCH 04, 3 Circuit, Left Hand
		508782-062	FCH 06, 2 Circuit, Left Hand
		508782-063	FCH 06, 3 Circuit, Left Hand
508782-082		FCH 08, 2 Circuit, Left Hand	
508782-083		FCH 08, 3 Circuit, Left Hand	
508782-103		FCH 10, 3 Circuit, Left Hand	
508782-105		FCH 10, 5 Circuit, Left Hand	
508782-123		FCH 12, 3 Circuit, Left Hand	
508782-125		FCH 12, 5 Circuit, Left Hand	

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HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

Replacement Parts Continued...

Component		Part#	Description
Water Coils	1 Row Hot Water Right Hand	508783-021	FCH 02, 1 Circuit, Right Hand
		508783-031	FCH 03, 1 Circuit, Right Hand
		508783-041	FCH 04, 1 Circuit, Right Hand
		508783-061	FCH 06, 1 Circuit, Right Hand
		508783-081	FCH 08, 1 Circuit, Right Hand
		508783-101	FCH 10, 1 Circuit, Right Hand
		508783-121	FCH 12, 1 Circuit, Right Hand
	1 Row Hot Water Left Hand	508785-021	FCH 02, 1 Circuit, Left Hand
		508785-031	FCH 03, 1 Circuit, Left Hand
		508785-041	FCH 04, 1 Circuit, Left Hand
		508785-061	FCH 06, 1 Circuit, Left Hand
		508785-081	FCH 08, 1 Circuit, Left Hand
		508785-101	FCH 10, 1 Circuit, Left Hand
	2 Row Hot Water Right Hand	508784-021	FCH 02, 1 Circuit, Right Hand
		508784-031	FCH 03, 1 Circuit, Right Hand
		508784-042	FCH 04, 2 Circuit, Right Hand
		508784-062	FCH 06, 2 Circuit, Right Hand
		508784-082	FCH 08, 2 Circuit, Right Hand
		508784-102	FCH 10, 2 Circuit, Right Hand
		508784-122	FCH 12, 2 Circuit, Right Hand
	2 Row Hot Water Left Hand	508786-021	FCH 02, 1 Circuit, Left Hand
		508786-031	FCH 03, 1 Circuit, Left Hand
		508786-042	FCH 04, 2 Circuit, Left Hand
		508786-062	FCH 06, 2 Circuit, Left Hand
508786-082		FCH 08, 2 Circuit, Left Hand	
508786-102		FCH 10, 2 Circuit, Left Hand	
Filters	MERV 8	274831-101	FILTER, 1" (FCHE & FCHP Bottom Return 02, 06)
		274831-102	FILTER, 1" (FCHE & FCHP Bottom Return 03, 08, 12)
		274831-103	FILTER, 1" (FCHE & FCHP Bottom Return 04, 10)
		274833-101	FILTER, 2" (FCHP Rear Return 02, 06)
		274833-102	FILTER, 2" (FCHP Rear Return 03, 08, 12)
		274833-103	FILTER, 2" (FCHP Rear Return 04, 10)
	MERV 13	274832-101	FILTER, 1" (FCHE & FCHP Bottom Return 02, 06)
		274832-102	FILTER, 1" (FCHE & FCHP Bottom Return 03, 08, 12)
		274832-103	FILTER, 1" (FCHE & FCHP Bottom Return 04, 10)
		274834-101	FILTER, 2" (FCHP Rear Return 02, 06)
		274834-102	FILTER, 2" (FCHP Rear Return 03, 08, 12)
		274834-103	FILTER, 2" (FCHP Rear Return 04, 10)

HORIZONTAL LOW-PROFILE FAN COILS

MAINTENANCE

Installation Checklist

Receiving & Inspection

- Unit received undamaged
- All parts accounted for
- Unit arrangement/hand correct

Handing and Installation

- Unit mounted level and plumb
- Correct electrical service
- Proper access available for unit and components
- Correct overcurrent protection provided
- Rubber grommet isolators used
- Correct service switch/disconnect provided
- Correct chilled water line to the unit
- Correct hot water line to the unit
- Code compliance for all components
- Shipping screws and hardware removed
- Unit protected from dirt and foreign matter

Cooling/Heating Connections

- Unit mounted level and plumb
- Correct electrical service
- Proper access available for unit and components
- Correct overcurrent protection provided
- Rubber grommet isolators used
- Correct service switch/disconnect provided
- Correct chilled water line to the unit
- Correct hot water line to the unit
- Code compliance for all components
- Shipping screws and hardware removed

Ductwork Connections

- Correct supply and return grille type and size
- Flexible duct connections to unit
- Insulate ductwork as required
- Control outside air to protect from heat/cold

Electrical Connections

- Refer to unit wiring diagram
- Wiring in code compliance
- Connect power service

Unit Startup

- Unit mounted level and plumb
- Correct electrical service
- Proper access available for unit and components
- Correct overcurrent protection provided
- Rubber grommet isolators used
- Correct service switch/disconnect provided
- Correct chilled water line to the unit
- Correct hot water line to the unit
- Code compliance for all components
- Shipping screws and hardware removed

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