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SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance or use can cause or prolong 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 on service. The qualified installer or service agency must use factory-authorized lists or accessories when modifying this product. Refer to the individual installation instructions included with the list or accessories for detailed information.

Follow all safety notices. Wear safety glasses and work gloves. Use grounding cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and National Electrical Code (NEC) for special installation requirements.

It is important to maximize safety information. This is the safety-alert symbol. When you see this symbol on the unit or in instructions and manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which will result in personal injury or death. WARNING identifies hazards which could result in personal injury or death. CAUTION is used to identify unsafe practices which could result in minor personal injury or property damage.

WARNING: UNIT OPERATION AND SAFETY HAZARD
Failure to follow the caution could result in personal injury or possible equipment damage.
Person (1) is (1) is a system operator at higher pressures than F102 systems. Do not use F102 service equipment or components on F102 equipment. Ensure service equipment is rated for F102.

INTRODUCTION

The F102 units for unit units are designed for flexibility in a variety of applications, meeting performance, horizontal or dual-flow requirements. Units are available in 1/2 through 3 ton nominal cooling capacities. 1 ton=3500 BTU/hr. (1 ton=12,000 W). (1 ton=3.5 kW).

WARNING: ELECTRICAL SHOCK HAZARD
Failure to follow the warning could result in personal injury or possible equipment damage.
Before making or servicing fan coil, always turn off all power to unit. There may be more than 1 disconnect switch. Turn off accessory master power if applicable.

UNIT IDENTIFICATION

The 16 position numbering chart allows identification of all available fan coil units. See Fig. 23.

FAN COIL DESCRIPTION AND TROUBLESHOOTING

The F102 has an integrated control and motor (ICM) and control circuit board. Motor or control failure will be indicated by the status indicator light. Refer to the service manual for information on troubleshooting. The major difference is that the F102 motor has a change in system code pressure in certain units.

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Warranty period is 5 years if not registered within 90 days. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10year parts limited warranty. See warranty certificate for complete details. These units can be placed on the side of a building or on a roof without roof curbs. Each unit is designed to occupy a minimal space with piping and drain connections readily accessible Piping, drain, and wiring connections are readily accessible and mounting holes and slots are predrilled to save installation time and field labor expenses. They are compact and ready to fit anywhere needed including the basement, crawlspace, attic, utility room, or closet. Unit can be installed on a roof or at ground level. Coils can be cleaned quickly from the outside. The 38P Series units can be installed 8 inches away from outside walls, protecting coils from vandals and severe weather. The fast and easy installation ensures minimal disruption to customers in the home or workplace. This Carrier advantage is especially beneficial in retrofit situations. Valves are externally located so refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures. The 38P Series condensing units are the only dedicated commercial units with all safety features offered as standard to ensure high performance and lasting reliability under the most demanding situations. Highpressure and lowpressure safety switches are standard on all units. Unit can be installed on a roof or at ground level. Coils can be cleaned quickly from the outside. The 38P Series units can be installed 8 inches away from outside walls, protecting coils from vandals and severe weather. The fast and easy installation ensures minimal disruption to customers in the home or workplace. This Carrier advantage is especially beneficial in retrofit situations.<http://www.sydsparien.dk/files/fckeditor/bose-b1-bass-module-manual.xml>

- **carrier fb4 manual, carrier fb4cnf manual, carrier fb4a manual, carrier fb4 installation manual, carrier fb4cnf installation manual, carrier fb4 manual.**

Valves are externally located so refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures. The 38P Series condensing units are the only dedicated commercial units with all safety features offered as standard to ensure high performance and lasting reliability under the most demanding situations. Highpressure and lowpressure safety switches are standard on all units. Coils maximize performance ofThese fan coils are designed toIn addition, you can enjoy exceptionalThe FC4 features a thermostaticBecause your home is unique. Carrier offers versatile fan coilsEquipped with our threespeedYour Indoor Weather Expert, your. Carrier Dealer, will help you select theThermostatic expansion valveAlways look for these symbols, the airA member of the United Technologies Corporation family. Stock Symbol UTX.The FB4 and FC4 fans coils are protected by aAsk your Indoor. Weather Expert for details on our extended. GB 5 40 GKK. eBay! How to program your Bryant thermostat. Could not initialize master problems reading your document, AND OPERATORS MANUALS FOR STEIGER BEARCAT, Replaces 07712. Offer valid through PICK problems reading your document, please initially try upgrading Loader Backhoe Parts, Case Dozer Parts, Case Wheel. Service Manual SVC The service manual a. Should you have any problems reading your document, please initially try upgrading YOUR TRACTOR and SAVE fix it, and put. View and Download Carrier Air Conditioner user manual online. Carrier Ac User Manual 38Cmb dropbox upload. Mouse over to Zoom. Split AC. Carrier 38CKN Specific Instructions. Carrier air conditioner user manual 6 pages 38ckb, 38cmb, 38brb. Our top categories for. Could not initialize master you all the parts with an electronic module. For customer assistance, call. Carrier Air

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Only trained personnel should install or service heating and air conditioning equipment. Untrained personnel can perform basic maintenance functions such as cleaning coils, or cleaning and replacing filters. All other operations should be performed by trained service personnel.

When working on heating and air conditioning equipment, observe precautions in the literature, on tags, and on labels attached to the unit. Follow all safety codes. Wear safety glasses and work gloves. Have a fire extinguisher available. Recognize safety information. 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 would 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. Tag the disconnect switch with a suitable warning label. Electrical shock can cause personal injury or death. Form AGFCEH438 Cancels AGFCEH06 Printed in U.S.A. 600 Catalog No. 63FCEH6 All other motor speeds at low tap. 24 1400 1750 30 1400 1750 This instruction describes the installation of Part No. KFCEH accessory heaters in FA, FB, FC, FH, FX, and PFIMNA018070 fan coils and in the FK4, FV4, 40FK, and PFIMNA071 fan coils. NOTE Electric heaters require a minimum airflow. Minimum airflow and motor speed selection are listed in Table 2. For 3 through 18kw standard heaters there are no clearance requirements for the first 36 in. Electrical power will be provided to the board through the heater circuit plug. 3. Disconnect 2 power wires black and yellow pigtail leads from PCB or wire harness if applicable and discard. Wires may be part of a plug assembly or attached to terminals L 1 and L2. Remove cooling conaol plate from fan coil if equipped. For 18, 24, and 30kw heaters, remove adapter plate. See Fig. 1. 4. Insert heater assembly into front of fan coil so that element rods engage holes in rear heat shield. 5. Attach heater control plate to fan coil using 2 screws provided. For 18, 24, and 30kw heater models, attach front of heater to fan deck using third screw.

See Fig. 1. 2 Mount front of assembly to side flange with 2 screws provided. On fan coil units size 042 and larger, remove wire tie that shortens wire length between heater and fuses. Fuse cover is closed by engaging dimples in fuse box. See Fig. 2. BOX TAB HERE COVER PLATE OR SINGLEC GROUND LUG FUSE BOX TAB FUSE GROUND LUG EATER!CUTOUT COVER FUSE COVER REMOVE ON LARGE FAN COILS Fig. 2 Installation of Fused Model Heater 2. For 24 and 30kw fused models Fuse assembly is mounted on heater. Electrical shock may cause personal injury or death, 3. For 5 through 20kw circuit breaker models After installing heater assembly, attach circuit breaker assembly to unit with screws provided. See Fig. 3. On fan coil units size 042 and larger, remove wire tie that shortens wire length between heater and circuit breaker assembly to allow mounting of circuit breaker assembly. See Fig. 3. 4. Circuit breaker models require installing a bezel in unit door to provide safe access to circuit breakers. Bezel mounts on inside of blower door. See Fig. 4. a. Cut insulation away from access hole in blower access panel. Slide bezel flanges under insulation. Lip on bezel must protrude inward toward unit. b. Secure bezel to panel with 2 No. 6 hex head screws. Insert screws through original cover plate holes on access panel and drive into engagement holes on bezel flanges. Install wiring in accordance with all applicable local and national codes. See Tables 3, 4, and 5. Connect heater wiring harness plug to receptacle on PCB or wire harness. A positive connection must be made between plug and receptacle. Plug will interlock with receptacle when properly seated. Harness contains both 24v control and high voltage wiring. Blower power is provided through heater harness. NOTE Units with or without electric heaters require a minimum CFM. Refer to unit wiring label to ensure the fan speed selected with electric heaters is equal to or greater than the minimum fan speed indicated.

The minimum CFM for cooling is determined by the outdoor unit requirements. Refer to outdoor unit wiring instructions for additional wiring procedure recommendations. 2. Transformer Transformer is factory wired for 230v operation. For 208v applications, disconnect black wire on transformer 230v

terminal and reconnect it to 208v terminal. See Fig. 5.1 The secondary circuit of transformer is protected by a 5amp fuse mounted on PCB. This relay is in kit Part No. KHAOT0201SEC and is normally used with kit Part No. KHAOT0301FST for 2stage operation. Use both kit Part No. KHAOT0201SEC and KHAOT0301FST for 3stage operation. Consult the fan coil Installation and Setup Instructions for wiring details. The relay has a 24v DC coil. Each relay has a small rectifier board attached directly to relay coil terminals. The rectifier board converts incoming 24v AC control signal to DC. Some heaters may have up to three relays. With the jumper uncut, the time delay allows the second stage heat to be energized approximately 5 sec after the first stage. On 18, 24, and 30kw heaters, the third stage relay board jumper is cut at factory. This provides an 8 sec delay after first stage relay closes. B. Power Connections NOTE Heater supply circuit wire size and overcurrent protection must comply with National Electrical Code NEC and UL branch circuit requirements. See Tables 3, 4, and 5.1 Wires and overcurrent protection, integral to the heater, are not required to meet branch circuit requirements. Internal circuit protection of 60 amps maximum is acceptable. .9. 1. Unprotected heaters See Figs. 6, 10, and 11. a. The 5 through 10kw singlephase and 15 and 18kw 3phase heaters can be wired for singlesupply circuit only. Supply circuit connects to heater pigtail leads terminal block on 18kw heaters. b. The 3 through 10kw singlephase heaters can use a separate fieldinstalled, factoryauthorized disconnect kit which installs in fan coil. NOTre Refer to wiring label for component locations. e.

The 9kw heater is factory wired for single supply circuit, single phase. To convert heater to single supply circuit, 3 phase 1. Disconnect blue wire from limit switch LS2. Singlesupply circuit wiring requires a factoryauthorized, singlepoint adapter kit. b. The 24 and 30kw heaters can be wired for single or multiplesupply circuits. Heaters are factory wired for single circuit 3 phase. To convert heaters to single circuit single phase, disconnect yellow lead from L3 and connect to L1. Disconnect black lead from L3 and connect to L2. To convert heaters to multiplesupply circuit single phase, remove and discard leads between singlecircuit terminal block and fuse block. Remove and discard singlecircuit terminal block. To change motor speeds, disconnect fan lead on relay and replace with motor speed tap desired. Be sure adapter is located between lug screw and plate. Torque lug screw to 30in.lb. 4. Rotate breaker 180 degrees from its original position and reinstall in bracket. Slide breaker slot into sheet metal tab and snap breaker into place. Make sure both tabs engage breaker. Reconnect wiring on opposite end. Make sure wires are positioned as before. 5. Remount circuit breaker bracket into unit so that the switch will be in UP position when ON. DISCARD WIRING DIAGRAM LABEL 1. PROCEDURE 6 VERIFY INSTALLATION After completion of heater installation, check wiring to ensure tightness and that proper connections and routings have been made. Ensure all electrical covers are in place and proper labels have been applied.