



# Installation and Operation Manual EC Motors for Evaporators

Low Profile, Medium Profile, Center Mount and Low Velocity Evaporators

(Applicable for Bohn, Larkin, Climate Control, and Chandler brands)

Bulletin No. IN-IM-ECE

July 2007

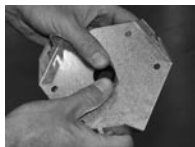
Part Number 25092001

InterLink EC motors installation instructions are as follows for low profile, center mount, low velocity and medium profile evaporators. For questions, contact the Heatcraft Refrigeration Products factory at 800.537.7775.

## Installing EC Motors In Center Mount And Low Velocity Evaporators

### Removal of existing motor:

1. Pump the refrigeration system down and disconnect power to the evaporator.
2. Remove fan guard by removing the four screws holding it in place.
3. Remove the fan blade with an Allen wrench.
4. Remove the four screws holding the motor bracket in place. Motor and bracket will drop once the screws are removed.
5. Unplug the motor from the harness.



### Installation of replacement motor:

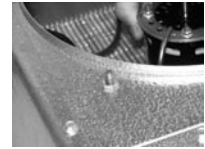
1. Insert 7/8" grommet into new motor mounting bracket.
2. Check the voltage of the new motor. The 120-volt motors have a white data plate and the 208-230 volt motors are red.
3. Install the three #8 x 32 screws and lock washers into the side of the motor. Leave approximately 1/4" gap between the washer and the motor.
4. Insert motor harness through the grommet.
5. Plug the motor in to the harness.
6. While pushing the wire and plugs through the grommet, align the three screws with the slots in the bracket. Push up and turn. The motor will drop down into the appropriate slots.
7. Tighten the three screws with a screwdriver. A short screwdriver may be required.



## Installing EC Motors In Low Profile Evaporators

### Removal of existing motor:

1. Pump the refrigeration system down and disconnect power to the evaporator.
2. Remove fan guard by removing the four nuts holding it in place.
3. Remove the fan blade with an Allen wrench. Note the relationship between the blade and the edge of the fan panel. This will allow for proper installation once the motors have been replaced.
4. Remove the retainer nuts hold the bracket and motor to the front panel of the evaporator.
5. Unplug the motor from the harness. Note the method in which the wires were installed.
6. Carefully remove the motor mount and motor.



### Installation of replacement motor:

7. Check the voltage of the new motor. The 120-volt motors have a white data plate and the 208-230 volt motors are red.
8. Mount the new motor to the existing motor mount using the original hardware.
9. Carefully insert motor and mount back into the unit.
10. Attach the mount to the fan panel using the original retainer nuts.
11. Plug the motor in to the harness duplicating the method in which the wires were installed.
12. Install fan blade duplicating the position of the original configuration.
13. Replace motor guard with the original four nuts.

## Installing EC Motors In Medium Profile Evaporators

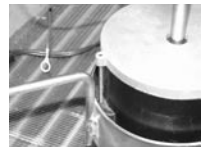
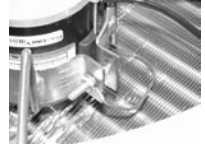
### Removal of existing motor:

1. Pump the refrigeration system down and disconnect power to the evaporator.
2. Remove fan guard by removing the four screws holding it in place.
3. Remove the fan blade with a 1/2" wrench.
4. Loosen and remove the bolt and nuts that holds the motor in the mounting bracket. One nut and the bolt will be required for reinstallation.
5. Unplug the motor from the harness.
6. Bend the green ground connector toward the back of the motor.
7. Turn the motor so that the motor harness will slide through the gap in the motor mount bracket. It may be necessary to remove oil plug so that the motor will slide out of the belly band mount.



### Installation of replacement motor:

8. Check the voltage of the new motor. The 120-volt motors have a white data plate and the 208-230 volt motors are red.
9. Slide the new motor into the motor mount. The front edge of the rubber spacer will align with the front edge of the tension band on the mount. Turn the motor so the motor harness is in the 3 to 5 o'clock position.
10. Connect the plug into the harness in the manner in which it was removed.
11. Attach the fan blade. The blade hub should be flush with the shaft.
12. Replace the motor guard.



### Warranty Information

InterLink is a superior parts brand that emphasizes high-quality products. However, should a problem occur with your new InterLink EC motor (part numbers 22617801, 22617701, 22618001, 22617901, 22617601, 22617501) within **two years** from the date of shipment, we would make every effort to correct the problem.

Please contact your InterLink service representatives at **800-686-7278** or [interlinkparts@heatcrafttrpd.com](mailto:interlinkparts@heatcrafttrpd.com) if you have any questions about the warranty that would apply to your InterLink part.

#### *EC Motors for Evaporators Warranty:*

*SELLER warrants to its direct purchasers that the EC motors for evaporators manufactured by SELLER shall be of merchandise quality, free of defects in material or workmanship, under normal use and recommended service for a period of twenty-four (24) months from the date of shipment by SELLER. Service Parts, for product out of original warranty, shall be so warranted for a period of one (1) year from the date of shipment. SELLER's warranty obligations hereunder are subject to SELLER's determination (after inspection by SELLER at SELLER's factory) that the unit failed due to a manufacturing defect. SELLER shall fully and completely fulfill its warranty obligations through repair, replacement, or credit, at SELLER's sole option. Any repaired or replaced unit shall be returned to Buyer via lowest common carrier. Shipping costs associated with the return of the warranted item to or from SELLER shall be the responsibility of Buyer.*

Since product improvement is a continuing effort, we reserve the right to make changes in specifications without notice.

The name behind the brands you trust.™ 