

Electric Heater Model
WBP Series

**INSTALLATION
INSTRUCTIONS**
Form WBP
Date: 12-29-94

Blower Coil Units
Arcoaire / Comfortmaker
DBYNB018 - DBYNB036
Heil Quaker / Tempstar
BPW018 - BPW036

GENERAL

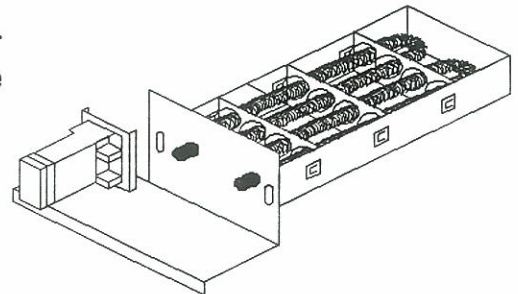
This Warren Technology electric heater is engineered, designed, and approved to be installed in the Arcoaire/Comfortmaker DBYNB018 thru DBYNB036 and Heil Quaker/Tempstar BPW018 thru BPW036 series blower coil units. Before proceeding, check the Heater Label for correct voltage and KW requirements.

Installation and servicing should be performed only by trained service personnel. Before installing the heater, inspect thoroughly for shipping damage. Notify carrier immediately if any damage is found. Check all porcelain insulators for breakage and inspect heater element wire. Clean all dirt, dust and moisture from equipment. Check for proper clearances of live parts (between phases and ground connection) and verify that all required barriers are in place. Check conductors run in multiple to insure that they are properly phased.

Caution: Disconnect all electrical power before proceeding, failure to do so may result in electrical shock. Heaters must have an uninterrupted or unbroken electrical ground to minimize personal injury if an electrical fault should occur. Ground may consist of an electrical wire or approved conduit when installed in accordance with local codes and ordinances.

HEATER INSTALLATION

1. Installation must comply with all local codes and ordinances.
2. Remove access plate from inside the blower heater section.
3. Slide the heater into the blower coil unit and secure with the screws provided.
4. If the heater has either an optional circuit breaker or a "pull-type" disconnect, remove the knockout in the plastic insert in the blower door panel to match the disconnect.



ELECTRICAL CONNECTIONS

Note: Use Copper Conductors Only

1. All electrical connections, wire sizes and type and conduit sizes shall meet the national electric code, state and local codes. Main power supply, minimum wire sizes, circuits, fusing, etc, are shown on schematic wire diagrams and/or installer data plate ampacity labels.
2. Factory branch circuit wiring and fusing are in accordance with national electric code limit of maximum 48 amps per circuit to provide protection from excessive current draw.
3. Complete all connections of line voltage and low voltage per the wiring schematic included. All connections should be made inside the air handler. Use an appropriate sized copper conductor from the ground lug in the blower cabinet to a grounded connection in the electric service panel or a properly driven and electrically grounded ground rod.

4. The unit must be provided with overcurrent protection. Local codes may require fuses only or circuit breakers.

START-UP AND CHECK-OUT

1. Refer to base unit installation instructions as required.
2. Check for loose terminal connections.
3. Check that all fuse and circuit breaker short circuit interrupting ratings are adequate.
4. Turn on unit and heater power.
5. Set thermostat to call for heat.
6. Check operation of heater.
7. Check that air flow across heater is at or above minimum recommended fan speed. Adjust as required.
8. Any modification or repairs to this equipment without written permission from the factory will be done at the installer's own risk and expense.