

# Ceiling Heater WHFC Series



**Model Code:**

|      |    |    |
|------|----|----|
| WHFC | 12 | 10 |
| A    | B  | C  |

A: Series  
 B: 12 - 120V 20 - 208V 24 - 240V  
 C: Watts (500 to 1500)



- Nichrome open-coil element
- C-Frame motor
- Squirrel cage blower
- Patented Smart Limit Protection®
- Whisper quiet
- Ceiling mount
- Dual wattage
- Recess can with QuickSet™ stops
- Powder coated grill
- Standard color: white (almond optional)
- 3 -year limited warranty

## The WHFC Ceiling Heater

This value-priced ceiling heater provides all of the features offered by the original WHF but adds the benefits of a ceiling mounted design. Its extreme value comes from combining the rapid heat transfer of a NiChrome element with the performance of a squirrel cage blower.

### Ordering Information \*Add suffix -W for White Grill

|      | MODEL    | VOLTS    | WATTS      | AMPS     | SHIP WEIGHT lbs |
|------|----------|----------|------------|----------|-----------------|
| 120V | WHFC1210 | 120      | 500 • 1000 | 4.2-8.4  | 8 lbs           |
|      | WHFC1215 | 120      | 750 • 1500 | 6.3-12.5 | 8 lbs           |
| 208V | WHFC2010 | 208      | 500 • 1000 | 2.4-4.8  | 8 lbs           |
|      | WHFC2015 | 208      | 750 • 1500 | 3.6-7.2  | 8 lbs           |
| 240V | WHFC2410 | 240/208* | 500 • 1000 | 2.1-4.2  | 8 lbs           |
|      | WHFC2415 | 240/208* | 750 • 1500 | 3.1-6.3  | 8 lbs           |

\*Dual rated heaters will draw 13% less amps and 25% less wattage when operated at 208V.

### Options / Accessories

| ADD SUFFIX | DESCRIPTION                           | SHIP WEIGHT lbs |
|------------|---------------------------------------|-----------------|
| -W         | White Color                           |                 |
| -I         | Interior and Grill Only (no wall can) | 6.0             |
| -H         | Heat Box Only (no wall can)           | 5.0             |

| MODEL            | UPC   | DESCRIPTION   | SHIP WEIGHT lbs |
|------------------|-------|---|-----------------|
| DS15             | 13824 | Disconnect Switch, Field Installed Kit (10A/ 240V / 15A/120V) | 0.5             |
| WHIC-C           | 12650 | Ceiling Recess Can  | 3.5             |
| WHSC-C-W         | 12230 | Surface Can - White   | 4.0             |
| WHFG             | 12520 | Grill - White   | 2.0             |
| WHFC T-Bar Panel | 12133 | T-Bar Panel   | 4.0             |

## Engineering Specifications

Contractor shall supply and install WHFC Series ceiling-mounted forced-air electric heaters manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

**Ratings:** Heaters shall be available in wattages of 500 to 1,500 at 120, 208, or 240 Volts.

**Blower and Motor:** A tangential cylindrical blower, delivering 70 CFM, shall be driven by a shaded pole, permanently lubricated, C-frame type motor with impedance protection and sealed bearings. Motors shall be the same voltage as the heater. The motor and all wiring shall be totally isolated from the heating chamber for protection from heated air.

**Elements:** Element assemblies shall be constructed of coiled Nickel Chromium alloy, corrosion resistant wire strung through a minimum of four rows of mica insulator. Element assemblies shall have factory provided connection to allow field modification to 50% wattage at time of installation.

**Thermal Overload:** Heaters shall be equipped with King's patented thermal overload Smart Limit Protection®, which disconnects elements and motor in the event normal operating temperatures

are exceeded. If thermal overload trips due to abnormal operating temperatures, thermal overload shall remain open until manually reset by turning the heater off for 15 minutes. Automatic reset of thermal overloads, which allow the element to continue to cycle under abnormal conditions, will not be accepted. U.S. PATENT #6,748,163 B2 • CIPO PATENT #2,393,882

**Ceiling Surface Can:** The can shall be 20 gauge electrogalvanized steel and shall contain knockouts. The can shall be provided with a depth gauge, extending the full length of the can. The can shall be supplied with a factory installed groundwire.

**Grill:** The grill shall be a louvered, one-piece design with rounded edges on all four sides, with rounded corners to prevent snags from contact with other materials. The grill shall be epoxy powder-coated in the color specified by manufacturer.

**Approvals:** cULus (E41422)