

# 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.

**“Complete” Stock Models** For other color grill options use "Order A'la Carte" chart below to build your own complete heater.

	MODEL	UPC	VOLTS	COLOR	WATTS	AMPS	SHIP WEIGHT lbs
<b>120V</b>	WHFC1210-W	12208	120	White	500 • 1000	4.2-8.4	8 lbs
	WHFC1215-W	12210	120	White	750 • 1500	6.3-12.5	8 lbs
<b>208V</b>	WHFC2010-W	12221	208	White	500 • 1000	2.4-4.8	8 lbs
	WHFC2015-W	12224	208	White	750 • 1500	3.6-7.2	8 lbs
<b>240V</b>	WHFC2410-W	12202	240/208*	White	500 • 1000	2.1-4.2	8 lbs
	WHFC2415-W	12200	240/208*	White	750 • 1500	3.1-6.3	8 lbs

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

### Factory Installed Options

ADD SUFFIX	DESCRIPTION	SHIP WEIGHT lbs
-H	Heatbox Interior Only (no can or grill)	6.0
-I	Heatbox Interior and Grill Only (no wall can)	6.0

**NOTE:** Not all configurations listed above are stock items (A+ or A stock code). Refer to price book for the Stock code. For non-stock items refer to the table below to order heater parts separately.

**Order A'la Carte** \*\*To build your own “Complete” with options (not noted above) select -H model of proper voltage, preferred wall can model and WHFG grill model of proper color.

#### STEP 1: Order Heatbox Interior

ADD SUFFIX	DESCRIPTION	SHIP WEIGHT lbs
-H	Heatbox Interior	6.0

#### STEP 2: Order Wall Can

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
WHIC-C	12650	Ceiling Recess Can	3.5
WHSC-C-W	12230	Surface Can - White - 13.5" H x 10.125" W x 4" D	4.0
WHSC-C-A	00000	Surface Can - Almond - 13.5" H x 10.125" W x 4" D	4.0

#### STEP 3: Order Grill

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
WHFG-W	12520	Grill - White	2.0
WHFG-A	12530	Grill - Almond	2.0

**NOTE:** This is the quickest option when the factory installed heaters options are not in stock.

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## Field-Installed Accessories

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
DS15	13824	Disconnect Switch, Field Installed Kit (10A/ 240V / 15A/120V)	0.5
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 2,000 at 120, 208, or 240 Volts

**Blower and Motor:** A whisper quiet tangential blower, delivering 75 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.

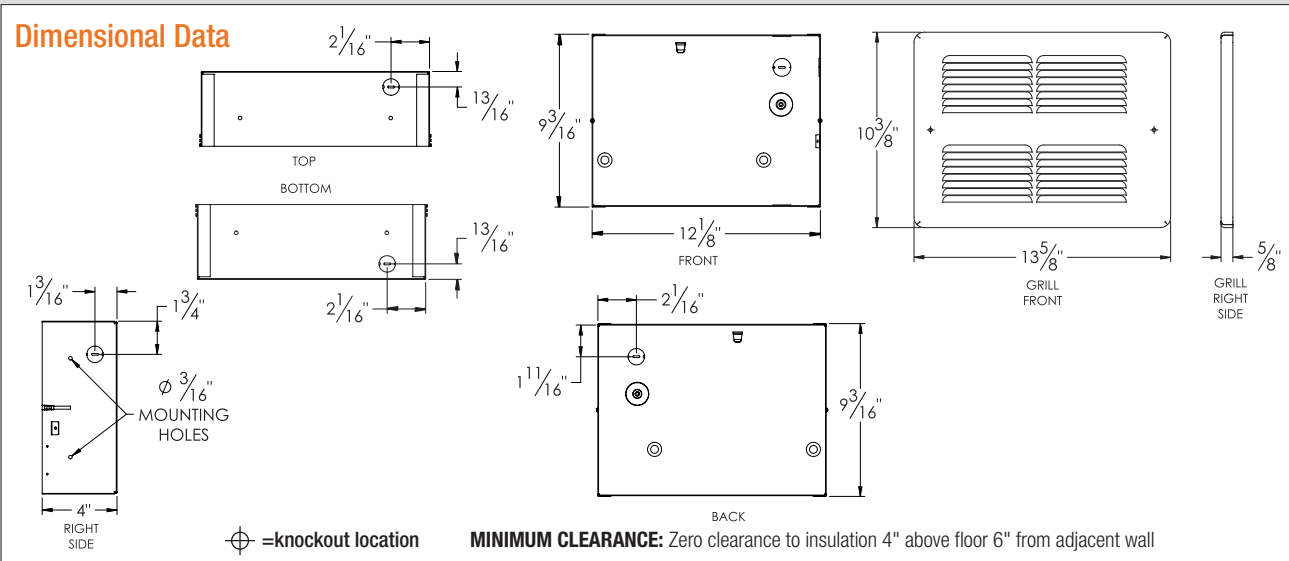
**Thermal Overload:** Heaters shall be equipped with King's patented thermal overload Smart Limit Protection<sup>SM</sup>, which disconnects elements and motor in the event normal operating temperatures are exceeded. If thermal overload trips due to abnormal operating temperatures, thermal overload shall 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.

**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.

**Wall Can:** The wall can shall be 20 gauge electro-galvanized steel and shall contain knockouts. The wall can shall be provided with a depth gauge, extending the full length of the wall can. The wall can shall be supplied with a factory installed ground-wire. Minimum clearance 4" to floors and 6" to sidewalls. Zero clearance to combustibles material in the wall.

**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 the manufacturer

**Approvals:** cULus (E41422)



### Exploded View

