

Wall Heater WHF Series



Model Code:

WHF	12	10	-W	-H	-I
A	B	C	D	E	F

A: Series
 B: 12 - 120V 24 - 240V
 20 - 208V
 C: Watts (500 to 2000)
 D: Color E: Interior Only
 F: Interior & Grill



- NiChrome Open-Coil Element
- Squirrel Cage Blower
- Whisper Quiet
- Patented Smart Limit Protection®
- 20 gauge powder-coated grill
- Standard color: white
- (Almond color optional)
- C-Frame Motor
- 20 gauge electro-galvanized steel recess can
- Wall can with QuickSet™ stud alignment tabs
- Dual Wattage & available in 120, 208, or 240 Volts
- 3-year limited warranty



The WHF Wall Heater

The WHF heater offers extreme value by combining the rapid heat transfer of a NiChrome element with the performance of a squirrel cage blower. This makes for a relatively quiet heater without the added cost of a high mass element like the Pic-A-Watt®. It is commonly used as the first upgrade in apartment construction and is an excellent choice for bathrooms because of the instant heat from the wire element. The wall can shall be 20 gauge electro-galvanized steel and contain knockouts through which power leads are brought. The wall can shall be able to mount directly to wall studs in new or existing construction. The wall can shall be provided with QuickSet™ stud alignment tabs, used for maintaining proper depth during new installation. The wall can shall be supplied with a factory installed ground wire. Clearance: 6" to a side wall, 4" from floor minimum.

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

	BASE MODEL	UPC	VOLTS	COLOR	WATTS	AMPS	SHIP WEIGHT lbs
120V	WHF1210-W	20125	120	White	500 • 1000	4.2 • 8.4	8.0
	WHF1215-W	20187	120	White	750 • 1500	6.3 • 12.5	8.0
	WHF2010-W	24451	208	White	500 • 1000	2.4 • 4.8	8.0
208V	WHF2015-W	24475	208	White	500 • 1500	3.6 • 7.2	8.0
	WHF2020-W	24536	208	White	1000 • 2000	4.8 • 9.6	8.0
240V	WHF2410-W	20279	240/208*	White	500/375* • 1000/750*	2.1/1.8* • 4.2/3.6*	8.0
	WHF2415-W	20330	240/208*	White	750/562* • 1500/1125*	3.1/2.7* • 6.2/5.4*	8.0
	WHF2420-W	20361	240/208*	White	1000/750* • 2000/1500*	4.2/3.6* • 8.4/7.2*	8.0

*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
UIC	12640	Recess Wall Can	3.5
UICF	12540	Recess Can with Flange (remodel)	4.0
WHSC-W	19204	Surface Can - White - 13.5" H x 10.125" W x 4" D	4.0
WHSC-A	19205	Surface Can - Almond - 13.5" H x 10.125" W x 4" D	4.0

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STEP 3: Order Grill

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
WHFG-W	12520	Grill - White	2.0
WHFG-A	12530	Grill - Almond	2.0
WHFG17W13H	12523	Oversize Grill 13"H x 17"W	3.5

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

Accessories

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
TKIT-1BW	20654	Built-in Single Pole Single Throw Thermostat Kit, Bright White	0.5
TKIT-2BW	20655	Built-in Double Pole Single Throw Thermostat Kit, Bright White	0.5
TKIT-1B	17346	Built-in Single Pole Single Throw Thermostat Kit, Black	0.5
TKIT-2B	17347	Built-in Double Pole Single Throw Thermostat Kit, Black	0.5
TKIT-1A	20613	Built-in Single Pole Single Throw Thermostat Kit, Almond	0.5
TKIT-2A	20614	Built-in Double Pole Single Throw Thermostat Kit, Almond	0.5
TKIT-1-TP	11056	Built-in Tamper Proof Single Pole Single Throw Thermostat Kit	0.4
TKIT-2-TP	11057	Built-in Tamper Proof Double Pole Single Throw Thermostat Kit	0.4
DS15	13824	Disconnect Switch, Field Installed Kit (10A/ 240V / 15A/120V)	0.5

Engineering Specifications

Contractor shall supply and install WHF Series in-wall 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®, 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.

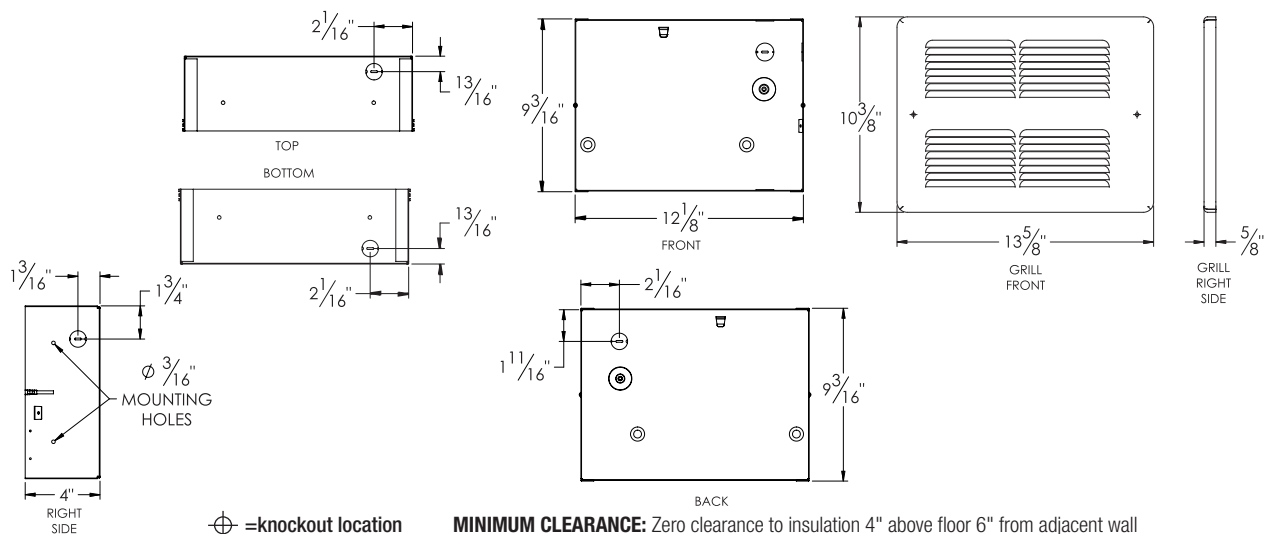
Elements: Element assemblies shall be constructed of coiled nickel chromium alloy, corrosion resistant wire strung through a minimum of four rows of mica insulator. Element assemblies shall have factory provided connection to allow field modification to 50% wattage at time of installation.

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)

Dimensional Data



=knockout location

MINIMUM CLEARANCE: Zero clearance to insulation 4" above floor 6" from adjacent wall