



# WHF Fan-Forced Wall Heater

## FEATURES

- Smart Limit Protection.
- Dual Open-Coil Element.
- C-Frame Motor.
- Squirrel Cage Blower.
- Quiet running.
- Dual limit controls.
- Inlet and outlet sensing.
- Dual wattage.
- 20 gauge powder coated grill with contemporary die-formed round corners.
- Standard color: bright white.
- 20 gauge electro galvanized steel recess can with QuickSet™ stop on side.
- Factory installed ground wire approved for direct contact with building insulation.

## OPTIONS

- 1-Pole or 2-Pole unit-mount thermostat 45° - 85° F.
- Thermostat fits through louver.
- Retrofit grill.
- Surface wall box
- Optional color: Almond (-A).



The WHF heater provides extreme value by combining an open-coil wire element and a tangential blower. This makes it 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 a bathroom heater because of the instant heat from the wire element.

This heater mounts horizontally and produces 70 CFM.

Typically the thermostat control is remote wall-mounted, but a built-in thermostat is optional. For best control use an electronic thermostat.

## ENGINEERING SPECIFICATIONS

Contractor shall supply and install WHF Series wall mounted forced air electric heaters manufactured by King Electrical Mfg. Co. Heaters shall be of the wattage and voltage as indicated on the plans.

**Ratings:** Heaters shall be available in wattages of 500 to 2400 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 thermal overload Smart Limit Protection, which disconnects elements and motor in the

event that 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 fifteen minutes. Automatic reset of thermal overloads, which allow the element to continue to cycle under abnormal conditions, will not be accepted.

**Wall Can:** The wall can shall be 22 gauge electro galvanized steel and shall contain knockouts through which power leads are brought. 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)

# WHF Fan-Forced Wall Heater

## SELECTION

MODEL	UPC #093319	DESCRIPTION
WHF1210	12012	120 V 1000 watt fan forced heater
WHF1212	12015	120 V 1200 watt fan forced heater
WHF1215	12018	120 V 1500 watt fan forced heater
WHF2010	12445	208 V 1000 watt fan forced heater
WHF2015	12447	208 V 1500 watt fan forced heater
WHF2020	12453	208 V 2000 watt fan forced heater
WHF2410	12027	240 V 1000 watt fan forced heater
WHF2412	12215	240 V 1200 watt fan forced heater
WHF2415	12033	240 V 1500 watt fan forced heater
WHF2420	12036	240 V 2000 watt fan forced heater
FACTORY INSTALLED OPTIONS		
-A		Almond Color
-I		Interior and grill only (no wall can)
-H		Interior only (no can or grill)

## ACCESSORIES

MODEL	UPC #093319	DESCRIPTION
UIC	12640	Recess wall can
UICF	12540	Recess wall can with flange
WHSC	19204	Surface can—white 13-1/2 H x 10-1/8 W x 4" D
WHSC-ALMOND	19205	Surface can—almond 13-1/2 H x 10-1/8 W x 4" D
WHFG	12520	Grill—white
WHFG-ALMOND	12530	Grill—almond
WHFG17W13H	12523	13" H x 17" W Oversize grill
TKIT-1	11058	Built-in single pole single throw thermostat kit
TKIT-2	11059	Built-in double pole single throw thermostat kit
WHF-DISPLAY	12011	Countertop display

## DIMENSIONS

As shown: WHF2420

