

# wall heater

**W**  
SERIES

## FAN-FORCED / GOOD



### FEATURES:

- Smart Limit Protection®
  - Dual Open-Coil Element
  - C-Frame Motor
  - 4-Blade Aluminum Fan
  - Quiet
- New dual limit controls
  - Inlet and outlet sensing
  - Dual wattage
  - 20 gauge powder-coated grille with contemporary die-formed round corners
  - Standard color: bright white
  - 20 gauge electrogalvanized steel recess can with QuickSet™ stop on side.
  - Factory installed groundwire approved for direct contact with building insulation

### OPTIONS:

- 1-Pole or 2-Pole unit-mount thermostat 45°-80°F operating range
- Retrofit grille
- Surface wall box
- Color: almond (-A)



### The W heater is designed

to be the highest quality economy heater available. It is commonly used in apartment construction and as a supplemental heater in single family homes.

This vertically-mounted heater produces 85 CFM with a 4-bladed metal fan. The grille has die-formed corners for a modern appearance and the powder-coated finish provides extreme durability. Standard color is bright white; optional colors are available.

Use it with a field or factory installed wall thermostat. A powder-coated wall can may be purchased separately for wall mounting.



### ENGINEERING SPECIFICATIONS:

Contractor shall supply and install W Series 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 2,400 at 120, 208, 240, or 277 Volts. Heaters shall provide air movement at 85 CFM.

**Fan and Motor:** Motor shall be shaded pole, permanently lubricated, C-frame type 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. The motor shall be equipped with a dynamically balanced four-blade aluminum impeller fan, located in the upper portion of the heat box, and shall provide a down-flow heating pattern.

**Elements:** 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 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.

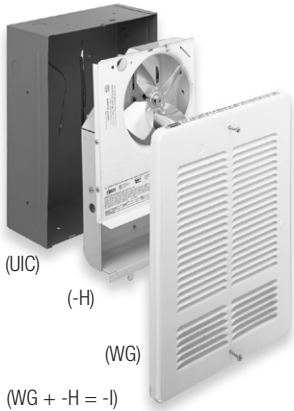
Automatic reset of thermal overloads, which allow the element to continue to cycle under abnormal conditions, will not be accepted.

**Wall Can:** The wall can shall be 22 gauge electrogalvanized 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 groundwire. Clearance: 6" to a side wall, 4" from floor min..

**Grille:** The grille 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 grille shall be epoxy powder-coated in the color specified by manufacturer.

**Approvals:** cULus (E41422)

as shown: W2420



**MODEL CODE:**

W	120	Series
A	1000	Volts
		Watts
		Color
T2		Thermostat (Optional)

Standard Color: Bright White

**SELECTION:**

WATTAGE	120V		208V		240V		WT. (lbs.)
	MODEL	UPC #093319 PART #	MODEL	UPC #093319 PART #	MODEL	UPC #093319 PART #	
1000 or 500	W1210	12706	W2010	18907	*W2410	12721	8
1200 or 600	W1212	12709			*W2412	12725	
1500 or 750	W1215	12712	W2015	12782	*W2415	12727	
2000 or 1000			W2020	12719	W2420	12730	
2400 or 1200					W2424	12733	

**FACTORY INSTALLED OPTIONS**

ADD SUFFIX:	DESCRIPTION	WT. (lbs.)
-A	Almond Color	8
-I	Interior and Grille Only (no wall can)	6
-H	Interior Only (no wall can or grille)	6
-T	Factory Installed Single Pole Thermostat Kit	8
-T2	Factory Installed Double Pole Thermostat Kit	8

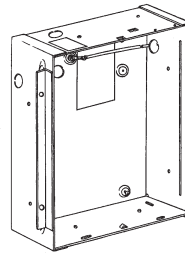
**ACCESSORIES:**

MODEL	DESCRIPTION	UPC #093319 PART #	WT. (lbs.)
UIC	Recess Wall Can	12640	3.5
UICF	Recess Wall Can with Flange	12540	4
WSC	Surface Can - White 13½" H x 10" W x 4" D	19202	4
WSC-A	Surface Can - Almond 13½" H x 10" W x 4" D	19203	4
WG-ALMOND	Grille - Almond	12785	2
WOG	10" W x 17" H Retrofit Grille	19200	3
WOG-A	10" W x 17" H Retrofit Grille - Almond	18605	3
TKIT-1	Built-in Single Pole Single Throw Thermostat Kit	11058	.5
TKIT-2	Built-in Double Pole Single Throw Thermostat Kit	11059	.5
W-DISPLAY	Countertop Display	12771	19

\* DO NOT USE MODELS W2420 and W2424 ON 208 VOLT CIRCUITS!

Please order the correct 208V models.

Models W2410, W2412 and W2415 may be used on 208 Volt circuits for derated wattage.

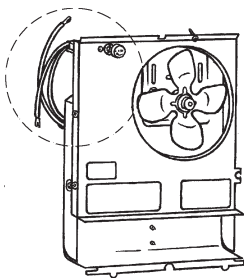


UICF - Recess Wall Can w/ Flange for easy remodel placement. Flange stops at wall finished surface.

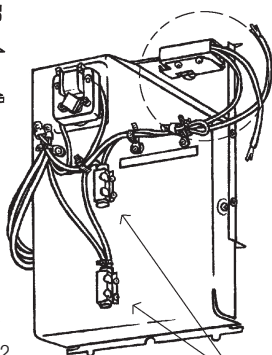


WSC - White Surface Can

Built-in thermostat kit (front)



Built-in thermostat kit (back)



Smart Limit Protection®  
Patent #US 6,748,163 B2

Double Manual Reset Limits



WOG - 10" W x 17" H Retrofit Grille

**MINIMUM CLEARANCE:**

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

**DIMENSIONS:**

