

Large Wall Heater LPW Series 2



Model Code:

LPW 24 45 -T -S2 -WD -R
 A B C D E F G

- A: Series
- B: 12 - 120V 24 - 240V
20 - 208V 27 - 277V
- C: Watts (1250 to 4500)
- D: Thermostat (optional)
- E: Series 2
- F: Color
- G: Retail Packaging

ComfortCraft



Pic-A-Watt
Selectable Wattage Element



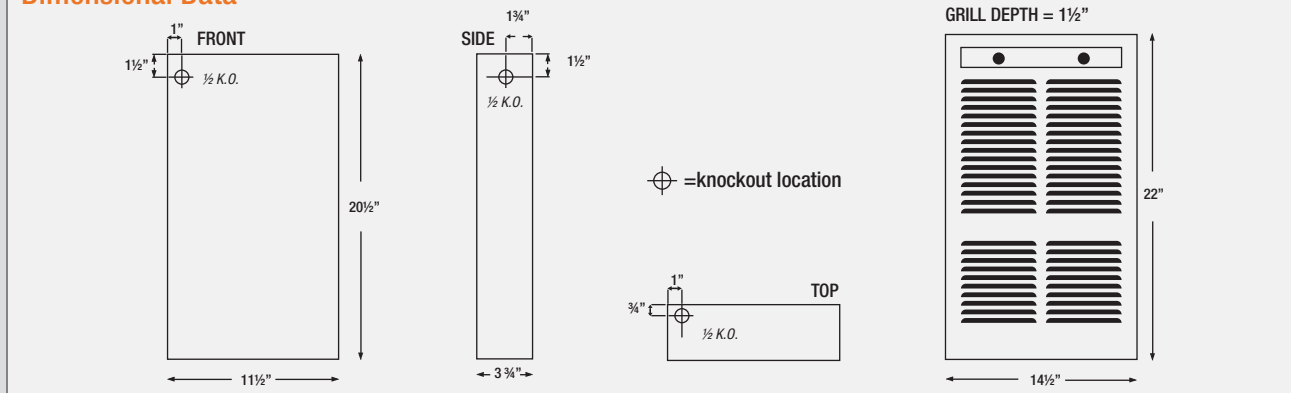
- Modern Curved Design
- Dual Pic-A-Watt® Elements
- Multiple Wattage Options
- Long life Unit Bearing Motor
- 5-Blade Aluminum Fan
- 20 Gauge Powder-Coated Grill
- Selector Switch: Fan/Heat/Off
- Patented Smart Limit Protection®
- Standard Color: White Dove
- Design Colors Available
- 120, 208, 240, or 277 Volts
- 5-Year Limited Warranty



The LPW Series 2 Large Wall Heater

King redefines comfort with a sleek and modern new architectural design. Offerings higher output than our industry leading PAW heater. King's exclusive dual Pic-A-Watt steel fin elements allow customers to select from a range of wattage options, tailoring the heater to an area's specific heating requirements. With up to 4500W, this is our most popular large wall heater, used in both residential and commercial applications. Standard with a 3-position selector switch, it has a fan delay to help dissipate heat from the high-mass steel plate fin elements thereby prolonging heater life and increasing energy efficiency. The high quality built-in thermostat has degrees on the label so temperature selection is easy and accurate.

Dimensional Data



Engineering Specifications

Contractor shall supply and install LPW Series in-wall mounted forced-air electric heaters manufactured by King Electrical Mfg. Company, of the wattage and voltage as indicated on the plans.

Motor: Heavy-duty, cast iron, unit bearing, permanently lubricated with 20cc oil reservoir, 1440 RPM. Enclosed impedance protected with intake air cooling motor for increased bearing life.

Fan: High efficiency, dynamically balanced 5-blade aluminum fan. 185 CFM.

Thermostat: 1-Pole built-in thermostat 45-80°F operating range.

Elements: Element assemblies shall consist of three steel sheathed heating tubes in a furnace-brazed, plate-finned, block design. Each sheathed tube shall contain coiled Ni-Chrome wire, **Continued.**

Fan / Heat / Off Switch: 3-position switch provides heating and summer fan-only operation. The DPST off switch provides a "positive off" that disconnects all ungrounded conductors.

Wall-box: 20 gauge electro-galvanized steel with factory installed ground-wire. Minimum 4" clearance to floors and 6" to sidewalls. Zero clearance to combustibles in the wall. Recommended 10" clearance to floors and 16" to sidewalls.

Grill: 20 gauge steel finished in a gloss white, powder-coated paint.

Options: Retrofit grill, and surface wall-box.

Approvals: cULus

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Engineering Specifications Continued

embedded in an insulator of Magnesium Oxide. The element assembly shall provide up to eight (8) possible wattage configurations available for selection during field installation. The use of external resistors, diodes, or other weak links to obtain multiple wattages will not be accepted.

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.

“Complete” Stock Models *For other color grill options use chart below to build your own complete.

BASE MODEL	VOLTS	COLOR	WATTS	AMPS	SHIP WEIGHT lbs
LPW1227T-S2-WD-R	120	White Dove	1250•1500•1750•2000•2250•2750	10.4-22.9	19
LPW2045T-S2-WD-R	208	White Dove	2250•2750•3000•3250•3500•3750•4000•4500	10.8-21.6	19
LPW2445T-S2-WD-R	240/208*	White Dove	2250•2750•3000•3250•3500•3750•4000•4500	9.4-18.8	19
LPW2445T-S2-AD-R	240/208*	Almondine	2250•2750•3000•3250•3500•3750•4000•4500	9.4-18.8	19
LPW2445T-S2-SN-R	240/208*	Satin Nickel	2250•2750•3000•3250•3500•3750•4000•4500	9.4-18.8	19
LPW2445T-S2-OB-R	240/208*	Oiled Bronze	2250•2750•3000•3250•3500•3750•4000•4500	9.4-18.8	19
LPW2740T-S2-WD-R	277	White Dove	2000•3000•4000	7.2-14.4	19

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

* Full color consumer packaging

DESIGNER COLORS AVAILABLE



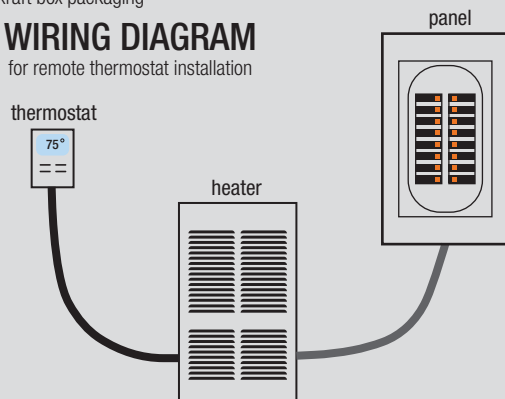
Other Ordering Options *To build your own complete with designer grill options (not noted above) select HRC model of proper voltage and LPWG grill model of proper color.

MODEL	DESCRIPTION	WEIGHT lbs
LPW1227T-S2-HRC	LPW SERIES 2, 120V 2750W, Interior & Recessed Wall Can	11.5
LPW2045T-S2-HRC	LPW SERIES 2, 208V 4500W, Interior & Recessed Wall Can	11.5
LPW2445T-S2-HRC	LPW SERIES 2, 240V 4500W, Interior & Recessed Wall Can	11.5
LPW2740T-S2-HRC	LPW SERIES 2, 277V 4000W, Interior & Recessed Wall Can	11.5
LPWG-S2-WD	LPW SERIES 2, Grill, White Dove Color	7.5
LPWG-S2-AD	LPW SERIES 2, Grill, Almondine Color	7.5
LPWG-S2-SN	LPW SERIES 2, Grill, Satin Nickel Color	7.5
LPWG-S2-OB	LPW SERIES 2, Grill, Oiled Bronze Color	7.5
LPWSMF-S2-WD	LPW SERIES 2, Surface Mount Frame, White Dove Color	2
LPWSMF-S2-AD	LPW SERIES 2, Surface Mount Frame, Almondine Color	2
LPWSMF-S2-SN	LPW SERIES 2, Surface Mount Frame, Satin Nickel Color	2
LPWSMF-S2-OB	LPW SERIES 2, Surface Mount Frame, Oiled Bronze Color	2

*Kraft box packaging

WIRING DIAGRAM

for remote thermostat installation



Power must be routed to the heater first, and then to the remote thermostat. This is due to the fan delay circuit needed to cool the element on shut down

LPWSMF-S2-WD



Optional surface mount frame.

Exploded View

