

Large Wall Heater LPW Series 2



Pic-A-Watt
Selectable Wattage Element®



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 - 270V

C: Watts (1250 to 4500)

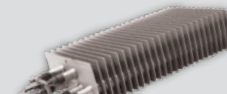
D: Thermostat (optional)

E: Series 2

F: Color

G: Retail Packaging

ComfortCraft



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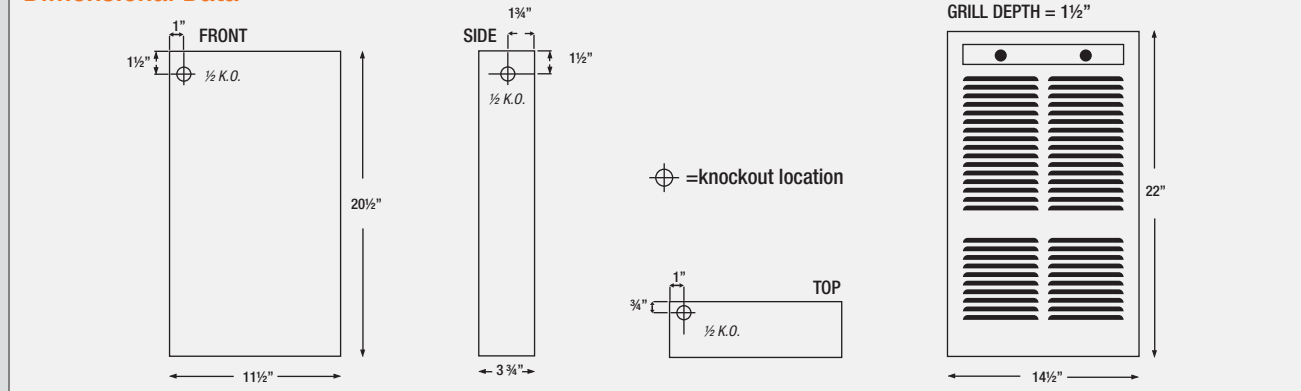
- Modern Curved Design
- Dual Pic-A-Watt® Elements
- Multiple Wattage Options
- Long life Unit Bearing Motor
- 5-Blade Aluminum Fan
- 20 Gauge Powder-Coated Grill
- Selector Switch: Fan/Heat/Off
- Patented Smart Limit Protection®
- Standard Color: White Dove
- Design Colors Available
- 120, 208, 240, 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: Wired for remote thermostat, retrofit grill, and surface wall-box.

Approvals: cULus

Large Wall Heater LPW Series 2

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.

Color Box Ordering Information *Add suffix -For grill color selection.

BASE MODEL	VOLTS	WATTS	AMPS	SHIP WEIGHT lbs
LPW1227T-S2	120	1250•1500•1750•2000•2250•2750	10.4-22.9	19
LPW2045T-S2	208	2250•2750•3000•3250•3500•3750•4000•4500	10.8-21.6	19
LPW2445T-S2	240/208*	2250•2750•3000•3250•3500•3750•4000•4500	9.4-18.8	19
LPW2740T-S2	277	2000•3000•4000	7.2-14.4	19

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

Options

ADD SUFFIX	DESCRIPTION	WEIGHT lbs
-WD-R	White Dove Color	19
-AD-R	Almondine Color	19
-OB-R	Oiled Bronze Color	19
-SN-R	Satin Nickel Color	19

DESIGNER COLORS AVAILABLE

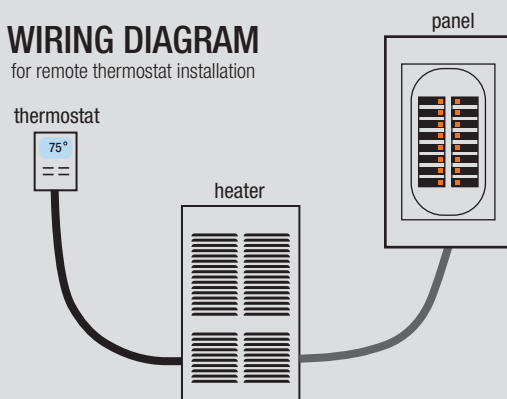


Order A' La Carte

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

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

LPWSC-S2-W



Exploded View

