

# Liberty-Belle

# Home Studio Kilns

Portable Automatic Top-Loading Kilns • 2.5 or 2.6 Cubic Foot • Cone 10

## FEATURES

**Temperature Rating:** Cone 10, 2350°F, 1290°C

**Loading:** Lid position, when open, rests at an angle away from the kiln. Chains are used to secure the lid in place when open.

**Stand:** Heavy-duty 14 gauge full solid stand with multiple bends for strength. Bolt on legs. Feet protectors included.

**Assembly:** Two 9" high sections stack on top of each other. Easy to assemble. Bottom is reversible.

**Construction:** Stainless steel wrapped around brick with 3 clamps on each section. All stainless screws.

**Insulation:** 2-1/2" or 3" K23 firebrick.

**Brick Coating:** Reflective coating protects brick and reduces dusting.

**Element Holders:** Hard ceramic element holders protect brick.

**Elements:** Heavy-duty. 2 elements per 9" high section.

**Element Connections:** Proprietary all-ceramic element connection block makes changing elements easy.

**Control Panel:** All controls and components are mounted in a control panel/element connection box. A layer of insulation and separation plate helps keep the controls cool. Control box can be easily removed for servicing. On/off switch and control fuse are included.

**Control:** One-Touch™ Intuitive Kiln Control easily fires the bisque and glaze programs typically used. It is also easy to adjust simple parameters like cone, delay, hold, heat-up, and cool-down rates. Also four custom ramp/hold programs with 8 segments each.

**Peephole Plugs:** Non-fragile solid ceramic with heat-locked head. 1" diameter full-view non-tapered. One per section.

**Thermocouples:** Exposed Type K 8 gauge.

**Relays:** Mercury free relays.

**Power Cord/Plug:** 30 Amp NEMA 14-30 twelve foot cord included.

**Instructions:** Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list. Web videos show how to use the control. (<http://www.youtube.com/user/LLKilns#p/u>)

**Warranty:** Limited 3 year warranty. (See [hotkilns.com/warranty.pdf](http://hotkilns.com/warranty.pdf)).



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## OPTIONS

**Furniture Kits:** See Dimension & Hearth Specifications.

**Thermocouple Options:** Type S platinum or 1/4" pyrocoil metallic sheathed (see [hotkilns.com/tc.pdf](http://hotkilns.com/tc.pdf)).

**Vent System:** Vent-Sure downdraft vent (see [hotkilns.com/vent.pdf](http://hotkilns.com/vent.pdf))

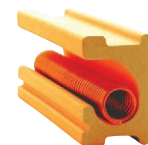
**Other Plugs:** See page 2.



The Liberty-Belle Kiln meets the needs of serious craft hobbyists, potters, and others who need a simple, small automatic kiln ideal for home use or for a studio test kiln. Complete easy-to-follow visual instructions make this kiln ideal for the beginner yet powerful enough for the experienced users. It has L&L's time proven technology, like ceramic element holders, industrial-grade element terminals, heavy-duty elements, and corrosion resistant materials. This sectional kiln is easy to move and set up by the home user. The 12 foot long 30 amp cord makes it easy to plug into a dryer outlet.



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L&L Kiln's patented hard ceramic element holders protect your kiln.

Bulletin No:Spec-LB18-4-10

## DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

Model Number	Inside Dimensions	Cubic Feet	Brick Thick	Furniture Kit	Furniture Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Wght Kiln Only	Ship Wght Kiln + Kit
LB18-240	17-1/2"D x 18"H	2.6	2-1/2"	5 Shelves, 1 Post Kit	H-L-KITL/00	29" W x 31" H x 30" D	36" W x 55" H x 36" D	200 lbs	240 lbs
LB18-208	17-1/2"D x 18"H	2.6	2-1/2"	5 Shelves, 1 Post Kit	H-L-KITL/00	29" W x 31" H x 30" D	36" W x 55" H x 36" D	200 lbs	240 lbs
LB18-3-240	16-1/2"D x 18"H	2.5	3"	5 Shelves, 1 Post Kit	H-L-KITL/30	29" W x 32" H x 30" D	36" W x 55" H x 36" D	215 lbs	250 lbs
LB18-3-208	16-1/2"D x 18"H	2.5	3"	5 Shelves, 1 Post Kit	H-L-KITL/30	29" W x 32" H x 30" D	36" W x 55" H x 36" D	215 lbs	250 lbs

**Minimum Space Requirements:** 46-1/2" wide by 46-1/2" deep.

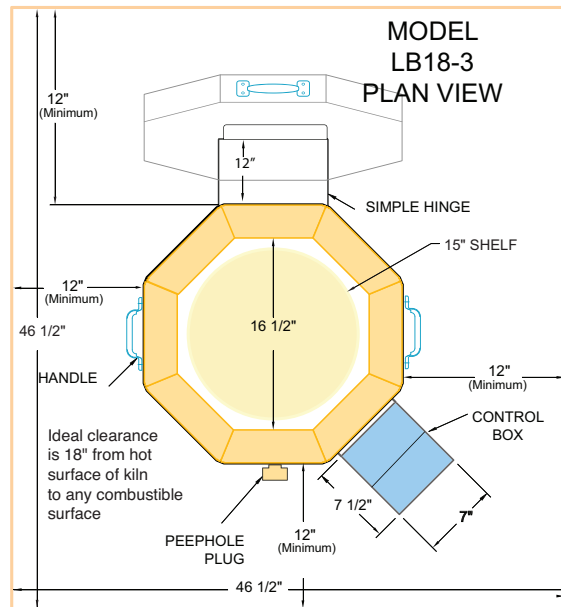
**Moving and installation:** This comes assembled but can be quickly disassembled and reassembled to move through any door or up stairs. It comes packed in a skidded carton with secure foam-in-place packaging.

**Furniture / Accessory Kit:** LB18-3 uses one 15" full round shelf, four 15" half shelves, four each 1", 2", 4", and 6" triangular posts plus one pound of Cone 10 kiln wash. (P/N: H-L-KIT/30). LB18 (2-1/2" brick version) is the same except with 15-1/2" shelves (P/N: H-L-KIT/00).

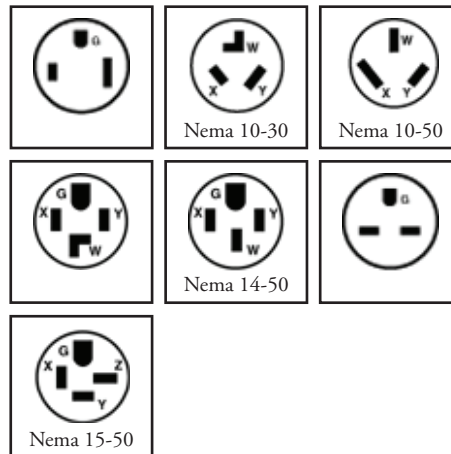
**General Dimension Drawings:** Not available at this time.



Pictured is a furniture kit for a LB18-3 kiln.



## AVAILABLE PLUGS



Standard NEMA 14-30 plug can be changed by customer to NEMA 14-50 (hardware is included to do this). NEMA 6-30 plug, NEMA 15-50 or NEMA 6-50, NEMA 10-30 or NEMA 10-50 plug is available for an extra charge. A 6 foot NEMA 6-50 cord/plug is available for no charge. All plugs can be easily changed in the field if necessary.

## ELECTRICAL SPECIFICATIONS

Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size
LB18-240	K-L-1800/31	240/1P	5,737	23.9	10 ga	30 Amps
LB18-208	K-L-1800/21	208/1P	4,980	23.9	10 ga	30 Amps
LB18-3-240	K-L-1803/31	240/1P	5,737	23.9	10 ga	30 Amps
LB18-3-208	K-L-1803/21	208/1P	4,980	23.9	10 ga	30 Amps

**UL Listing:** Not listed to UL499 standards.

**Power connection:** A 30 amp NEMA 14-30 twelve foot plug is included. May be direct wired. Other plugs are optional. All models are single phase.

**Energy, Time and Firing Costs:** The kiln when empty can reach Cone 10 in about 2 hours and use about 12.5 KWH (this would cost about \$1.00 @ 8 cents per KWH. When fired with a heavy load of 55 pounds it took 23 KWH to go to Cone 6 on a Fast Glaze program - about \$1.84).