

# LIBERTY-BELLE Home Studio Kiln

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

## Features & Benefits

**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 on case.

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

**Brick Coating:** Proprietary reflective brick coating included. This helps firebrick stay strong on the surface and helps prevent dusting.

**Patented Hard Ceramic Element Holders:** Protect brick from loading damage, keep elements from falling out of grooves, makes changing elements easy, and optimizes heat transfer to load.

**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. ([hotkilns.com/one-touch](http://hotkilns.com/one-touch))

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

**Thermocouples:** Type K 8 gauge with ceramic protection tube.

**Relays:** Mercury free relays.

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

**Instructions:** Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list. Web videos show how to use the control. ([hotkilns.com/videos](http://hotkilns.com/videos))

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

**UL Listing:** c-MET-us listed to UL499 standards.



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. 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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**KILNS BUILT TO LAST**

Bulletin No: LB-3-15

# LIBERTY-BELLE Home Studio Kiln

## Options

### Furniture Kit:

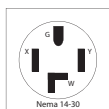
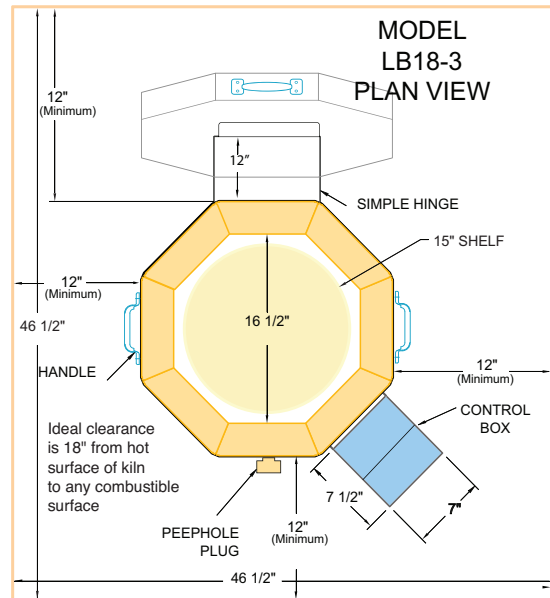
LB18-3 uses one 15" full round shelf, four 15" half shelves, four each 1", 2", 4", and 6" triangular posts plus 1 lb of Cone 10 kiln wash. (P/N: H-L-KIT/30).



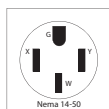
LB18 (2-1/2" brick version) is the same except with 15-1/2" shelves (P/N: H-L-KIT/00).

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

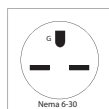
**Optional Plugs:** Standard NEMA 14-30 plug can be changed by customer to NEMA 14-50 (hardware is included to do this). A NEMA 15-50, NEMA 6-50, NEMA 10-30, or NEMA 10-50 plug is available for an extra charge. A NEMA 6-30 plug or a six foot NEMA 6-50 cord/plug is available for no charge. All plugs can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



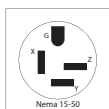
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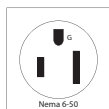
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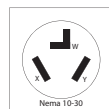
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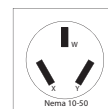
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## Dimensions & Weight

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.

## Electrical Specifications

Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size
LB18-240	K-L-1800/31	240/1P	5,760	24	10 ga	30 Amps
LB18-208	K-L-1800/21	208/1P	4,992	24	10 ga	30 Amps
LB18-3-240	K-L-1803/31	240/1P	5,760	24	10 ga	30 Amps
LB18-3-208	K-L-1803/21	208/1P	4,992	24	10 ga	30 Amps

**UL Listing:** c-MET-us 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).