

Liberty-Belle **Craft Kiln**

Works on a 30 Amp Dryer Circuit

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.

- **18" High X 16.5" or 17.5 Diameter (with 2.5" or 3" Brick)**
- **2.5 or 2.6 Cubic Feet**
- **Hard Ceramic Element Holders protect brick and make element changes fast and easy**
- **Works on a 30 Amp Dryer Circuit**
- **One-Touch Control for Simplicity**
- **Thermocouple is protected.**
- **Super-Strong Aluminized Steel Stand**
- **For Hobbyists and Small Format Potters**
- **Customize to meet your exact needs. *Every kiln is built to order***



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KILNS BUILT TO LAST

Bulletin No: LB-0520

Unique L&L Features with Lasting Benefits

CONE 10 TEMPERATURE RATING

Cone 10, 2350°F, 1290°C.

CHOICE OF INSULATION

Choice of 2.5" or 3" K23 firebrick. (3" brick recommended for high fire applications (over cone 1 - 2000F). (hotkilns.com/choosing-insulation)

PATENTED CERAMIC ELEMENT HOLDERS

Protect brick from loading damage, keep elements from falling out of grooves, make changing elements easy, and optimize heat transfer to load. Kiln lasts longer! No pins. (hotkilns.com/ceramic-holders)



BRICK COATING FOR DURABILITY

Proprietary reflective brick coating. This helps firebrick stay strong on the surface, helps prevent dusting on your work, and keeps the kiln clean inside. (hotkilns.com/reflective-coating)

HEAVY-DUTY LARGE ELEMENTS

Four heavy-duty elements. *Quad elements, which double the element wire, are optional on all models. See Page 5.*

EXTRA CASE CLAMPS

Stainless worm gear case clamps keep case together and allow for adjustment over time. Three per 9" section and two on the top and bottom. (hotkilns.com/case-clamps)

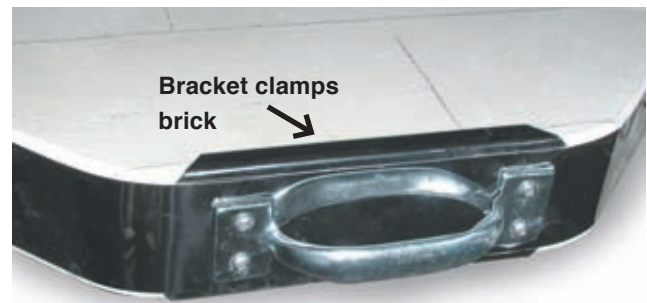
STAINLESS STEEL HINGE

Chains secure the lid in place when open. (hotkilns.com/simple-hinge)



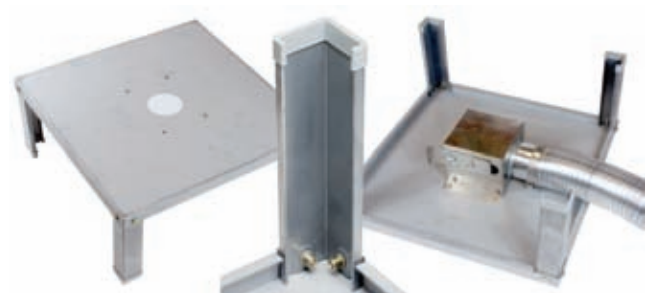
LID BRICK IS SECURED WITH CLIPS

Stainless Steel clips secure lids - not friction. ([hotkilns.com/ lid-clips](http://hotkilns.com/lid-clips))



HEAVY-DUTY FULL-SUPPORT STAND

Heavy-duty 14 gauge solid stand with multiple bends for strength. Bolt on legs. Feet protectors included. Optional Vent Bypass Collection Box bolts onto bottom of stand with included studs. *Rolling stand is optional. See page 5.* (hotkilns.com/full-stand)



SECTIONAL CONSTRUCTION

Two 9" high sections for a total height of 18". Kiln comes assembled but can easily be taken apart for moving. Stainless steel wrapped around brick with 3 adjustable clamps.

(hotkilns.com/sectional-craft)

CORROSION RESISTANT CONSTRUCTION

Stainless steel wrapped around brick. All stainless screws on case. Stand is galvanized. Vent parts are stainless steel or aluminum. Hinge is stainless steel. Control box is powder coated steel.

(hotkilns.com/case)

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.

SOLID PEEPHOLE PLUGS

Solid (non-fragile) ceramic plug with heat-locked mushroom head. 1" diameter full-view non-tapered.

(hotkilns.com/peephole-plugs)



ONE-TOUCH PROGRAM

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

(hotkilns.com/one-touch)



CERAMIC ELEMENT CONNECTIONS

Proprietary all-ceramic element connection block makes changing elements easy.

(hotkilns.com/ceramic-terminal)



HEAVY-GAUGE TYPE K THERMOCOUPLE PROTECTED WITH CERAMIC TUBE

Type K 8 gauge thermocouple is protected by a ceramic protection tube.

(hotkilns.com/protected-thermocouples)





MERCURY FREE RELAYS

Mercury free relays are standard.

POWER CORD & PLUG INCLUDED

Cord is 12 feet long to allow you to plug into your dryer outlet easily. See page 5 for the various cord options.

COMPLETE VISUAL INSTRUCTIONS

No one has a better or more complete instruction manual. Our visual instructions address the needs of the artist, the installer, and the repair person. You get a fully illustrated operation and service manual. Many instructional videos are available. (hotkilns.com/videos)

L&L KILNS ARE EASY TO TROUBLESHOOT

Open up any L&L kiln control panel and see how easy it is to check amps, element resistance, and voltage. No other kiln can be serviced as quickly, easily, or inexpensively as an L&L kiln.

THREE-YEAR LIMITED WARRANTY

See hotkilns.com/warranty. Email, web and phone support.

IN-DEPTH SUPPORT

One customer said: "I am truly impressed with your website, it is more than informative and your products are well designed. The fact that all the information, including repair manuals, are listed, speaks well of your dedication to customer service." Our website has thousands of pages of technical help - all easily searchable - plus we provide expert support with phone and email.

SUSTAINABLE MANUFACTURING

We use solar energy as our primary energy source.

SUPERIOR PACKAGING

Kilns are securely packed with tubes of foam molded to the kiln. Kilns are shipped in skidded cartons.

MET UL499 LISTING



c-MET-us listed to UL499 standards assures highest safety standards. (hotkilns.com/met)



Options & Accessories



CONE 11 FURNITURE KITS

Shelves are high alumina cone 11 shelves. Each post kit includes six each, 1", 2" 4", and 6" high triangular cordierite posts.
(hotkilns.com/kiln-furniture)

QUAD ELEMENT OPTION



The combination of 1/2" diameter element coils, the doubled surface area of the Quad element design, and superior heat transfer of L&L's patented ceramic element holders, make this the best element system in the world

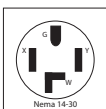
today. (hotkilns.com/quad-option)

APM ELEMENTS

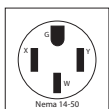
Special sintered alloy provides the ultimate in element life. The special sintered alloy inhibits grain growth and resistance change in the elements.
(hotkilns.com/apm)

STANDARD AND OPTIONAL PLUGS

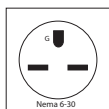
All cords are 12 feet. Standard cord is a NEMA 14-30 plug. A NEMA 14-50, NEMA 6-30, NEMA 6-50, NEMA 10-30, NEMA 10-50 or NEMA 6-50 plug is available for an extra charge. All plugs can be easily changed in the field if necessary.



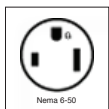
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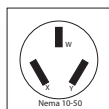
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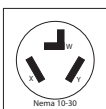
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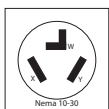
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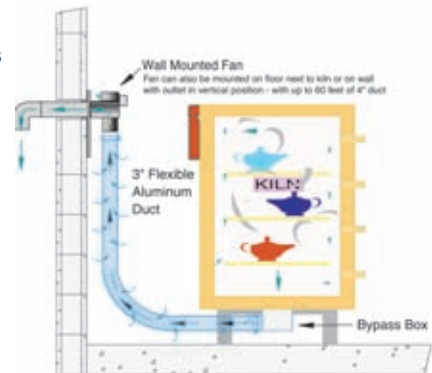
DOWNDRAFT VENT SYSTEM

Vent-Sure downdraft vent vents fumes from kiln out of room and away from kiln. (hotkilns.com/vent)

VENT-SURE FEATURES

- Downdraft venting pulls air down to bottom of kiln

- Improves



temperature uniformity inside the kiln

- Powerful 130 CFM fan motor, typically mounted on wall, allows fumes to be under vacuum in your studio
- The strong fan motor helps overcome static pressure in long exhaust lines. The duct may be up to 60 feet in length, and include up to four 90° bends
- 120 volts with on/off switch on cord (240 volts available)
- 15 foot long flexible aluminum duct
- Bypass collection box mounted on kiln allows adjustment of venting.
- Fan motor, mounted away from the kiln, stays cool and no vibration is transmitted to the kiln
- The included Multi-Mounting Bracket allows you to mount the vent on the floor or, alternately, to mount the vent on a wall so that the output of the vent is pointing up.
- Three-year Limited Warranty
- c-MET-us Listed to UL499 standards for use on c-MET-us L&L Kilns



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	17.5"D x 18"H	2.6	2.5"	(1) 15.5" full, (4) half	H-L-KITL/00	27" W x 54" H x 29" D	48" W x 51" H x 40" D	215 lbs	260 lbs
LB18-3	16.5"D x 18"H	2.5	3"	(1) 15" full, (4) half	H-L-KITL/30	27" W x 54" H x 29" D	48" W x 52" H x 40" D	230 lbs	275 lbs
METRIC DIMENSIONS (CM, LITERS & KG)									
LB18	44.5 D x 45.7 H	74	6.35	(1) 39.4 full, (4) half	H-L-KITL/00	69 W x 137 H x 74 D	122 W x 130 H x 102 D	98 KG	118 KG
LB18-3	41.9 D x 45.7 H	71	7.32	(1) 38.1 full, (4) half	H-L-KITL/30	69 W x 137 H x 74 D	122 W x 133 H x 102 D	105 KG	125 KG

MORE: See each model page on hotkilns.com to download PDF General Dimension Drawings for more outside and inside dimensions, minimum space requirements, BTU ventilation requirements, and kiln weight. See the Shipping Tab on the model page for complete shipping dimension and shipping weight information.

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, LB-3-240	K-L-1800/31	240/1P	5,740	23.9	10 ga	30 Amps
LB18-208, LB18-3-208	K-L-1800/21	208/1P	4,992	24	10 ga	30 Amps
WORLD VOLTAGE						
LB18-220, LB-3-220	K-L-1803/41	220/1P	5,280	24	10 ga	30 Amps

MET UL499 Listing: All models are c-MET-us listed to UL499 standard.

Power connection: A 30 amp NEMA 14-30 twelve foot plug is included. May be direct wired. Other plugs are optional (see page 5). All models are single phase.

Cone Rating: All models are rated to Cone 10.

Wiring Diagrams: See the **Electrical Tab** for each kiln model to get the wiring diagram for each voltage.

Elements: There are four elements of equal resistance value. Quad elements are the same resistance but longer and thicker.

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).

LB18

Temperature Rating: Cone 10

Volume: 2.6 Cubic Feet

Brick Thickness: 2.5" Brick

Inside: 17.5" Diam x 18" High

Outside Dimensions: 27" W x 54" H x 29" D

Shipping Dim with Vent & Furn Kit: 48" W x 51" H x 40" D

Ship Weight (Kiln): 215 LBS

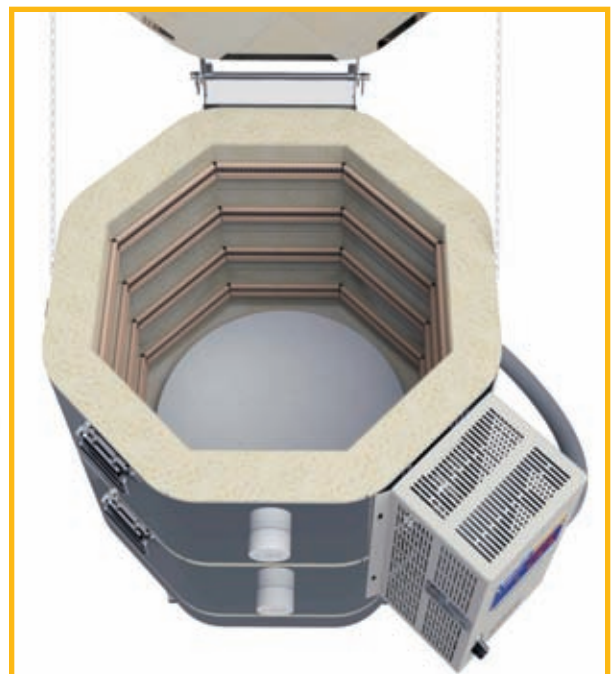
Ship Weight (Kiln, Vent & Furn Kit): 260 LBS



FURNITURE KIT FOR LB18

Part Number: H-L-KITL/00

Includes: One 15.5" (39.4 cm) full shelf and four half shelves, One post kit with 4 each 1", 2", 4", 6" triangular posts.



LB18-3

Temperature Rating: Cone 10

Volume: 2.5 Cubic Feet

Brick Thickness: 3" Brick

Inside: 16.5" Diam x 18" High

Outside Dimensions: 27" W x 54" H x 29" D

Shipping Dim with Vent & Furn Kit: 48" W x 52" H x 40" D

Ship Weight (Kiln): 230 LBS

Ship Weight (Kiln, Vent & Furn Kit): 275 LBS

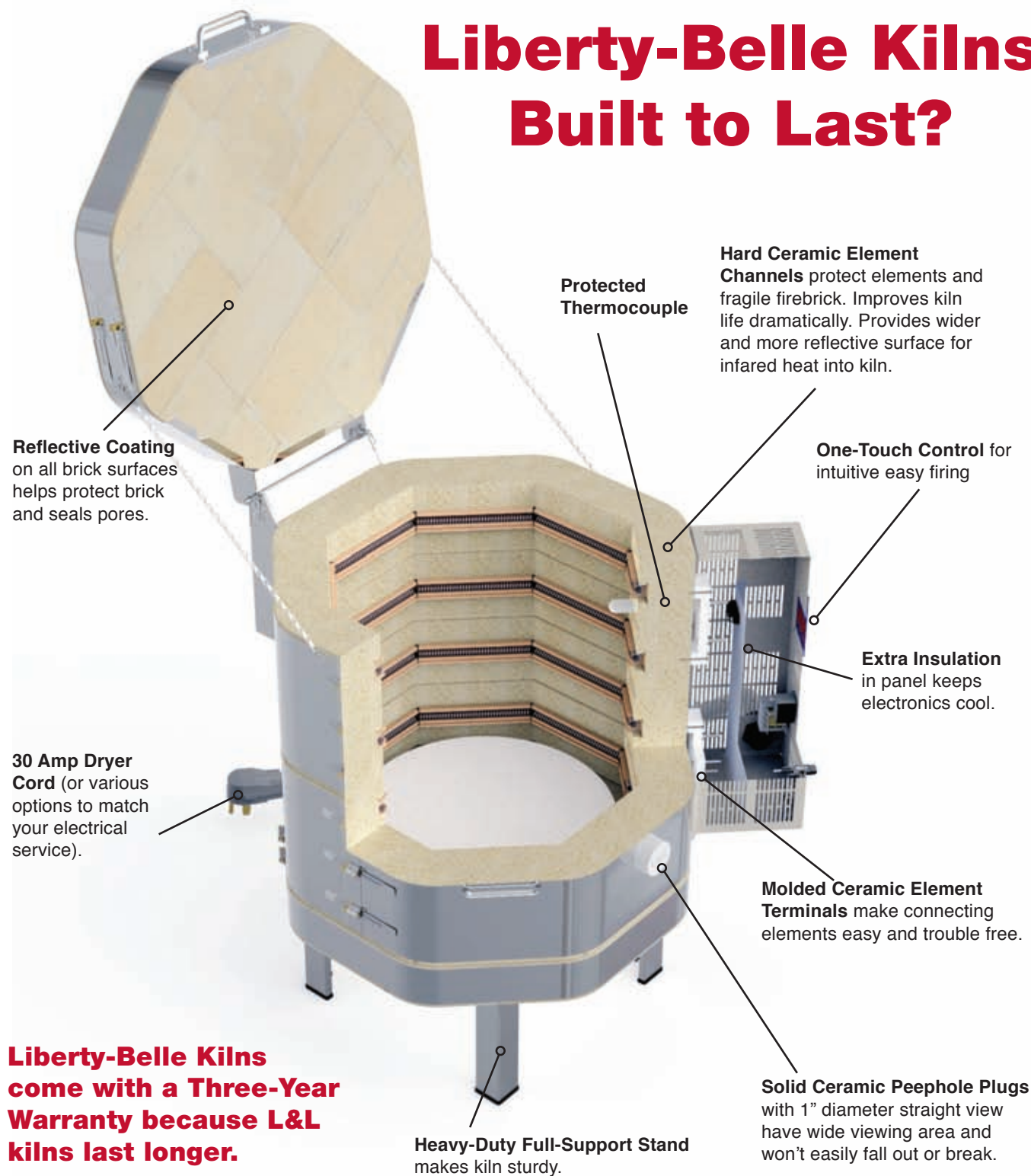
FURNITURE KIT FOR LB18

Part Number: H-L-KITL/30

Includes: One 15" (38 cm) full shelf and four half shelves, One post kit with 4 each 1", 2", 4", 6" triangular posts.



What Makes Liberty-Belle Kilns Built to Last?



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