

Easy-Load

Large Front-Loading Kilns

Large Front-Loading Studio Kilns • Cone 10 • 3" Brick plus 2" Mineral Wool

FEATURES

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

Loading: Front-loading.

Construction: Solid welded heavy gauge (1/8") thick steel case with integrated welded stand. Feet include anchor points and leveling bolts.

Case Finish: Powder coated attractive hammertone blue provides superior corrosion resistance.

Door: Heavy-duty door hinges to the left (special option allows it to be hinged on the right). Door opens all the way so that the door opening is completely unobstructed.

Door Plug & Gasket: Brick door has an inset stepped brick plug and fiberglass tadpole gasket around door for tightness of seal.

Insulation: 3" K23 brick with 2" mineral wool back up.

Brick Coating: Reflective coating protects brick and reduces dusting.

Arched Roof for Strength: The arch is made of 4-1/2" of extra-strong 2500°F K25 arch brick.

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

Element Holders: Hard ceramic element holders protect brick.

Elements: Heavy-duty. Elements evenly divided into 3 zones. Elements on the door for even heating.

Control Panel: Separate panel is mounted on the right side. 50 amp mechanical contactors with control relays. Branch fusing included. The control panel is hinged for easy access. An on/off switch and control fuse are included. Direct electrical hook-up to terminal block.

Control: DynaTrol with 4 Easy-Fire programs, 6 Vary-Fire programs, Pre-Heat, Delay, Program & Segment Review, and Diagnostics.

Zone Control: Three zone control for even heating is included.

Door Shut Off Switch is Standard: Shuts power off when door is opened.

Thermocouples: Type K 8 gauge with ceramic protection tubes.

Relays: Mercury free relays.

Warranty: Limited 3 year warranty. (See hotkilns.com/warranty.pdf).

UL Listing: MET-us listed to UL499 standard.



Model EL3048



Model EL2448

OPTIONS

Furniture Kits: See Dimension & Hearth Specifications.

KISS Software: Monitor and control with a computer. (See hotkilns.com/kiss)

Thermocouple Options: Type S platinum thermocouples (see hotkilns.com/tcs.pdf) or 1/4" diameter pyrocoil metallic sheathed thermocouples (see hotkilns.com/tc-metallic.pdf).

480 Volts: 480 volts/ 3 phase. Available without a NEMA 1 Control Panel at a lower cost, however this panel is required to maintain the c-MET-us listing.

Orton Sitter/Timer Backup Control: For safety back-up or to use as final control device while still using the control for ramping.

High Limit Control: Digital high limit control turns off power with separate backup safety contactors.

SSR Power Control: longer element life and more even and silent control

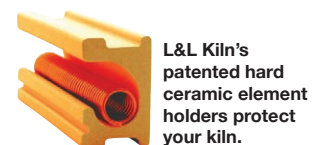
120 Volt Control Power Option: Allows control circuit to be plugged into a protected UPS power supply.

Vent System: Vent-Sure downdraft vent (see hotkilns.com/vent.pdf)

Hinge on Right: special order increases production time.



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Bulletin No: Spec-Easy-Load-4-10

DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

Model Number	Inside Dimensions	Cubic Feet	Hearth Dimensions	Furniture Kit	Outside Dimensions	Shipping Dimensions	Ship Weight Kiln (lbs)
EL2436	25" W x 26" D x 36" H	12.0	22" x 22"	(8) 11" x 22" shelves, 2 post kits	47" W x 43" D x 74" H	60" W x 57" D x 80" H	1350 lbs
EL2448	25" W x 26" D x 48" H	16.0	22" x 22"	(10) 11" x 22" shelves, 2 post kits	47" W x 43" D x 74" H	60" W x 57" D x 80" H	1500 lbs
EL2848	31" W x 26" D x 49" H	20.0	28" x 22"	(12) 14" x 24" shelves, 2 post kits	53" W x 43" D x 75" H	66" W x 57" D x 82" H	1750 lbs
EL3048	31" W x 32" D x 49" H	25.0	28" x 28"	(12) 14" x 28" shelves, 2 post kits	53" W x 50" D x 75" H	66" W x 64" D x 82" H	2000 lbs

Hearth Height: Approximately 30" for EL2436 and 18" for all other models

Moving and installation: The EL2436 will go through a standard 34-1/2" door that is at least 76" high. The EL2448 and EL2848 will go through a door that is 34-1/2" wide by 86" high. The EL3048 will go through a door that is 40-1/2" wide by 86" high. The kiln must be moved on a flat surface. The case is designed to be picked up by a forklift or pallet jack from the front or back.

Furniture/Shelves Kit: Furniture kit includes the shelves mentioned above. One post kit includes six each 1/2", 1", 2", 4", 6" and 8" high 1-1/2" square cordierite posts. Furniture kit includes dark viewing glasses, heat-resistant gloves and 5 pounds of cone 10 kiln wash.

General Dimension Drawings: See each model page on hotkilns.com/easy-load.html to download PDF drawings.



Furniture kit for a EL3048.

ELECTRICAL SPECIFICATIONS

Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size
EL2436-240	K-B-2436/31	240/1P	19,000	80.0	1 ga	100 Amps
EL2436-240-3P	K-B-2436/32	240/3P	19,000	46.0	6 ga	60 Amps
EL2436-208	K-B-2436/21	208/1P	19,000	92.0	1/0	125 Amps
EL2436-208-3P	K-B-2436/22	208/3P	19,000	53.0	4 ga	70 Amps
EL2436-480-3P	K-B-2436/62	480/3P	19,000	24.0	10 ga	30 Amps
EL2448-240	K-B-2448/31	240/1P	24,200	101.0	1/0	125 Amps
EL2448-240-3P	K-B-2448/32	240/3P	24,200	59.0	3 ga	80 Amps
EL2448-208	K-B-2448/21	208/1P	24,200	117.0	2/0	150 Amps
EL2448-208-3P	K-B-2448/22	208/3P	24,200	68.0	2 ga	90 Amps
EL2448-480-3P	K-B-2448/62	480/3P	24,200	30.0	8 ga	40 Amps
EL2848-240	K-B-2848/31	240/1P	27,000	113.0	2/0	150 Amps
EL2848-240-3P	K-B-2848/32	240/3P	27,000	66.0	2 ga	90 Amps
EL2848-208	K-B-2848/21	208/1P	27,000	130.0	4/0	175 Amps
EL2848-208-3P	K-B-2848/22	208/3P	27,000	75.0	1 ga	100 Amps
EL2848-480-3P	K-B-2848/62	480/3P	27,000	33.0	6 ga	50 Amps
EL3048-240	K-B-3048/31	240/1P	31,500	132.0	4/0	175 Amps
EL3048-240-3P	K-B-3048/32	240/3P	31,500	76.0	1 ga	100 Amps
EL3048-208	K-B-3048/21	208/1P	31,500	152.0	250 MCM	200 Amps
EL3048-208-3P	K-B-3048/22	208/3P	31,500	88.0	1/0	125 Amps
EL3048-480-3P	K-B-3048/62	480/3P	31,500	39.0	6 ga	50 Amps

UL Listing: All models are MET-us listed to UL499 standards. 480 models are MET-us listed as long as a NEMA1 panel is used.

Power connection: All models are a direct connection to a terminal block in the control panel.