

Easy-Load Large Front-Loading Kilns

Large Front-Loading Professional Kilns • Cone 10

Features & Benefits

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 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: 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.

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.

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: 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. (hotkilns.com/warranty)

UL Listing: MET-us listed to UL499 standard.



Model EL3048 shown with NEMA1 panel for 480 volts

Options

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

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

High Limit Control: (hotkilns.com/high-limit). With or without Back up contactors.

KISS Software: Monitor and control kiln from your computer. Includes datalogging. (hotkilns.com/kiss)

480 Volts: Available with a NEMA 1 Control Panel to maintain the c-MET-us listing.

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

Hinge on Right: Hinge mounted on the right instead of the left.



Model EL2448



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KILNS BUILT TO LAST

Bulletin No: EL-918

Easy-Load Large Front-Loading Kilns

Furniture Kits

Furniture/Shelves Kit: Furniture kit includes the cone 11 shelves mentioned below. One post kit includes six each 1/2", 1", 2" 4", 6" and 8" high 1-1/2" square cordierite posts. Includes, heat-resistant gloves.



Dimension & Weight 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 48" 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 48" 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, back or sides.

General Dimension Drawings: See each model page download PDF drawings.

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.