

Hercules Medium-Sized Front-Loading Kilns

Mid-Sized 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 welded stand. Feet include anchor points and leveling pads.

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 firebrick with 2" mineral wool back up.

Brick Coating: Proprietary brick coating for less dusting and longer brick life.

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. Two or three in the door for easy viewing.

Element Holders: Hard ceramic element holders protect brick.

Elements: Heavy-duty. Elements evenly divided into 2 or 3 zones. Elements are located in the door for even heating of the entire chamber.

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: Two or 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.



The Hercules is the potter's dream come true. When you compare the many built-in durability and performance features to the competition you will appreciate its true value. And all of this extra value doesn't cost that much.

OPTIONS

Furniture Kits: See Dimension & Hearth Specifications.

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

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

Hinge on Right



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

Bulletin No: Spec-Hercules-1-11

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DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

Model Number	Inside Dimensions	Cubic Feet	Hearth Dimensions	Furniture Kit	Outside Dimensions	Shipping Dimensions	Ship Weight Kiln (lbs)
EL2424-H	25" W x 26" D x 24" H	8.0	22" x 22"	(4) 11" x 22" shelves, 1 post kit	47" W x 43" D x 63" H	60" W x 57" D x 69" H	1075 lbs
EL2427-H	25" W x 26" D x 27" H	9.0	22" x 22"	(6) 11" x 22" shelves, 1 post kit	47" W x 43" D x 66" H	60" W x 57" D x 72" H	1200 lbs

Hearth Height: Approximately 30"

Moving and installation: These kilns will go through a standard 34-1/2" door that is at least 74" 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, heat-resistant gloves and 5 pounds of cone 10 kiln wash.

General Dimension Drawings: See hotkilns.com/hercules.html



Furniture kit for a EL2424-H.

FEATURE DETAILS



Door Gasket for Superior Door Seal



Safety Door Switch



Door Elements for Even Heating



4-1/2" K25 Full Arch for Strength



Welded Stand can be removed



Thick Powder-Coated Steel Case



DynaTrol with Dynamic Zone Control



Thick 8 Gauge TC with Protection Tube

ELECTRICAL SPECIFICATIONS

Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size
EL2424-H-240	K-B2424/31	240/1P	15,000	63.0	3 ga	80 Amps
EL2424-H-240-3P	K-B2424/32	240/3P	15,000	55.0	4 ga	70 Amps
EL2424-H-208	K-B2424/21	208/1P	15,000	73.0	2 ga	90 Amps
EL2424-H-208-3P	K-B2424/22	208/3P	15,000	63.0	3 ga	80 Amps
EL2424-H-480-3P	K-B2424/62	480/3P	15,000	28.0	8 ga	40 Amps
EL2427-H-240	K-B2427/31	240/1P	16,500	68.8	2 ga	90 Amps
EL2427-H-240-3P	K-B2427/32	240/3P	16,500	39.6	6 ga	50 Amps
EL2427-H-208	K-B2427/21	208/1P	16,500	79.3	1 ga	100 Amps
EL2427-H-208-3P	K-B2427/22	208/3P	16,500	45.7	6 ga	60 Amps
EL2427-H-480-3P	K-B2427/62	480/3P	16,500	19.8	10 ga	25 Amps

UL Listing: All models are MET-us listed. 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.