

DaVinci X2300-D Series

22" x 22" Square Sectional Kilns • Cone 10 • 3" Brick

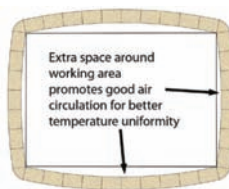
Features & Benefits

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

Lid, Hinge & Stand: Counterbalanced lid system with springs and safety latch. Angle iron structural stand with aluminized sheet. Powder coated blue. Includes leveling bolts.

Assembly: 9" high sections stack on top of each other. Easy to assemble. Bottom is reversible.

Loading/Adjustment feature: It is possible to lift top section(s) off of the X2336-D and X2345-D without disassembling kiln. (hotkilns.com/sectional-kiln-davinci)



Construction: Unique shallow side arches create super-strong sides and allow for plenty of space for air circulation around kiln shelves. (hotkilns.com/arched-sides)

Insulation: 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. 3 elements per 9" high section.

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

Control Panel: Floor mounted & separate. Sections plug into panel with 50 amp cords. 50 amp mechanical contactors with control relays. Branch fusing included. The control panel is hinged for easy access and is made of aluminized steel. An On/off switch and control fuse are included. Direct electrical hook-up to terminal block. Some voltage kilns have a floor mounted panel and some have a smaller panel mounted on the kiln off the element boxes like Jupiter kilns.

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

Zone Control: Two or Three Zones with separate thermocouples.

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 tubes.

Relays: Mercury free relays.

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)

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

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



An X2336 with four sections.



Shows a DaVinci adjustable hinge adjusted for use on an X3227 or an X3236



505 Sharptown Road • Swedesboro, NJ 08085
Phone: 856.294.0077 • Fax: 856.294.0070
sales@hotkilns.com • hotkilns.com

KILNS BUILT TO LAST

Bulletin No: X23-9-15

DaVinci X2300-D Series

Options

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

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



Industrial Controls: Three zone Eurotherm control plus others. (hotkilns.com/eurotherm3)

480 Volts/3 Phase: (needs NEMA1 panel for MET-us listing) (sections hard wired to power box) (hotkilns.com/480)

Nema 1 Control Box: for industrial use (480 volts becomes MET-us listed with this extra option)

Kiss Software: Monitor and control kiln remotely. For the DynaTrol only. (hotkilns.com/kiss)

High Limit Back Up Control (latching relay back up control system) (hotkilns.com/high-limit):

Back Up Contactors (actuated by the High Limit Back Up Digital Control, needs a large box) (hotkilns.com/high-limit)

120 Volt Power Supply: with EMI electrical noise filter (hotkilns.com/noise)



Quad Element Option: Four rows of elements for each 9" kiln section. For maximum high-fire element life. (The combination of larger coil diameter of L&L elements, ceramic holders, and the Quad option is the best in the industry. (hotkilns.com/quad)

High Power Option: The X2327-D, X2336-D, & X2345-D can be ordered with extra power. (XB Models)

Furniture Kits

Shelves are high alumina cone 11 shelves. Shelves are 10" x 20" x 3/4". See below for quantity. Each post kit includes six each, 1/2", 1", 2" 4", 6" and 8" high 1-1/2" square cordierite posts. All furniture kits include heat-resistant gloves and 1 lb of cone 10 kiln wash.



Furniture kit for an X2327-D

Dimension & Weight Specifications

Model Number	Inside Height	Cubic Feet	Furniture Kit	Furniture Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Weight Kiln Only	Ship Weight Kiln + Kit
XB2318-D	18"	5.0	4 shelves, 1 post kit	H-X-K318/00	40" W x 32" H x 42" D	1 crate: 44" W x 45" H x 44" D 1 crate: 44" W x 74" H x 44" D	600 lbs	646 lbs
X2327-D	27"	8.1	6 shelves, 1 post kit	H-X-K327/00	40" W x 41" H x 42" D	1 crate: 44" W x 54" H x 44" D 1 crate: 44" W x 84" H x 44" D	700 lbs	764 lbs
X2336-D	36"	10.8	8 shelves, 2 post kits	H-X-K336/00	40" W x 50" H x 42" D	1 crate: 44" W x 63" H x 44" D 1 crate: 44" W x 84" H x 44" D	775 lbs	867 lbs
X2345-D	45"	13.5	10 shelves, 2 post kits	H-X-K345/00	40" W x 59" H x 42" D	1 crate: 44" W x 48" H x 44" D 1 crate: 44" W x 36" H x 44" D 1 crate: 44" W x 84" H x 44" D	875 lbs	985 lbs

Crosssection of Inside: 22" wide by 22" deep.

Minimum Space Requirements: 54" wide by 54" deep, or 59" wide by 59" deep for the X2345-D.

General Dimension Drawings: See each model page on hotkilns.com to download PDF drawings.

For all dimensions and weights: See hotkilns.com/davinci-dimensions.pdf.

DaVinci X2300-D Series

Electrical Specifications

Standard Models						
Model Number	Part Number	Volt/ Phase	Watts	Amps	Wire Size	Fuse Size
XB2318-D-240	K-X-B238/31	240/1P	8,932	37.2	6 ga	50 a
XB2318-D-240-3P	K-X-B238/32	240/3P	8,932	32.2	8 ga	40 a
XB2318-D-208	K-X-B238/21	208/1P	8,932	42.9	6 ga	60 a
XB2318-D-208-3P	K-X-B238/22	208/3P	8,932	37.2	6 ga	50 a
X2327-D-240	K-X-2327/31	240/1P	11,704	48.8	6 ga	60 a
X2327-D-240-3P	K-X-2327/32	240/3P	11,704	28.2	8 ga	40 a
X2327-D-208	K-X-2327/21	208/1P	11,704	56.3	4 ga	70 a
X2327-D-208-3P	K-X-2327/22	208/3P	11,704	32.5	8 ga	40 a
X2336-D-240	K-X-2336/31	240/1P	15,604	65.0	3 ga	80 a
X2336-D-240-3P	K-X-2336/32	240/3P	15,604	42.2	6 ga	60 a
X2336-D-208	K-X-2336/21	208/1P	15,604	75.0	2 ga	90 a
X2336-D-208-3P	K-X-2336/22	208/3P	15,604	48.7	6 ga	60 a
X2345-D-240	K-X-2345/31	240/1P	19,505	81.3	1 ga	100 a
X2345-D-240-3P	K-X-2345/32	240/3P	19,505	56.3	4 ga	40 a
X2345-D-208	K-X-2345/21	208/1P	19,505	93.8	1/0	125 a
X2345-D-208-3P	K-X-2345/22	208/3P	19,505	65.0	3 ga	80 a

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

480 Volt Electrical Requirements: See hotkilns.com/davinci-electric.pdf.

High Powered Option Electrical Requirements: This is available for the X2827-D, X2836-D, X2845-D. It increases KW ratings by about 20%. See hotkilns.com/davinci-electric.pdf.