

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. 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, Pre-Heat, 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



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KILNS BUILT TO LAST

Bulletin No: X23-918

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.



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.

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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	xxx	x ga	xx a
XB2318-D-480-3P	K-X-B238/62	380/3P Wye	8,932	xxx	x ga	xx a
XB2318-D-380-3PY	K-X-B238/42	480/3P	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.