DaVinci

X2300-D Series

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

FEATURES

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

Lid, Hinge & Stand: Welded angle iron counterbalance system with springs. Safety latch included. Welded angle iron with 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 (see hotkilns.com/section.html).

Construction: Unique shallow side arches create super-strong sides and allow for plenty of space for air circulation around kiln shelves.

Insulation: 3" K23 firebrick.

Brick Coating: Reflective coating protects brick and reduces dusting.

Element Holders: Patented ceramic holders protect brick.

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.

Control: DynaTrol with 4 Easy-Fire programs, 6 Vary-Fire programs, PreHeat, Delay, Program & Segment Review, and Diagnostics. Dynatrol is in a handheld case that plugs into control panel with a 6 foot cord.

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. (http://www.youtube.com/user/LLKilns#p/u)

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

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

An XB2318-D is shown with two sections. The control panel is mounted on the right side of the kiln. The handheld DynaTrol can be mounted on the wall (a 4 foot cord is included).

OPTIONS

Furniture Kits: See Dimension & Hearth Specifications.

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

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

Bell-Lift: Not available on the X2300-D Series kilns.

480 Volts: 480 volts/ 3 phase uses 277 volt elements in a "Wye" electrical configuration for a balanced circuit (see hotkilns.com/480.pdf). Available without a NEMA 1 Control Panel at a lower cost, however this panel is required to maintain the c-MET-us listing.
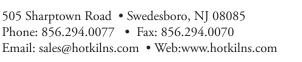
Orton Sitter/Timer Backup Control: For safety back-up or to use as final control device while still using the control for ramping.

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

Powered Bottom: Not available on the X2300-D Series kilns.

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

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

Bulletin No: Spec-X2300-D-4-10

DIMENSION, WEIGHT & FURNITURE KIT 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 kit	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

Crossection 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.

Furniture/Shelves Kit: Shelves are 10" x 20" x 3/4" cordierite shelves. 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 5 pounds of cone 10 kiln wash.

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.

Furniture kit for an X2327-D

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.

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