

# DaVinci X3200-D Series

30-1/2" x 30-1/2" 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 X2836-D and X2845-D without disassembling kiln. ([hotkilns.com/sectional-kiln-davinci](http://hotkilns.com/sectional-kiln-davinci))



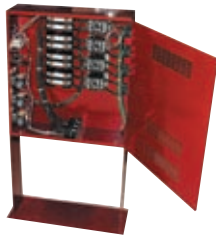
**Construction:** Unique shallow side arches create super-strong sides and allow for plenty of space for air circulation around kiln shelves. ([hotkilns.com/arched-sides](http://hotkilns.com/arched-sides))

**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.

**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](http://hotkilns.com/videos))

**Warranty:** Limited 3 year warranty. ([hotkilns.com/warranty](http://hotkilns.com/warranty))

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



An X3227i is shown with three sections.



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



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## Options

**Vent System:** Vent-Sure downdraft vent ([hotkilns.com/vent](http://hotkilns.com/vent))

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



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

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

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

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

**120 Volt Power Supply:** with EMI electrical noise filter ([hotkilns.com/noise](http://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](http://hotkilns.com/quad))

**Powered Bottom:** Available on all X3200 Series kilns. ([hotkilns.com/powered-bottoms-davinci-kilns](http://hotkilns.com/powered-bottoms-davinci-kilns))

**High Power Option:** The X3227-D, X3236-D, & X3245-D can be ordered with extra power. (XB Models)

**Bell-Lift:** Bell-lift system available with a manual or electric winch. ([hotkilns.com/davinci-bell-lift-kilns](http://hotkilns.com/davinci-bell-lift-kilns))



## Furniture Kits

Shelves are high alumina cone 11 shelves. Shelves are 14" x 28" x 3/4".

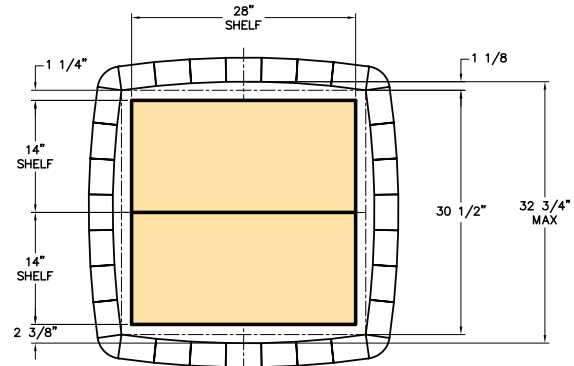
See below for quantity.

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 X3227-D.

## Crosssection



## 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
XB3218-D	18"	10.0	4 shelves, 1 post kit	H-X-K218/00	49" W x 32" H x 49" D	1 crate: 54" W x 45" H x 48" D 1 crate: 48" W x 74" H x 44" D	880 lbs	982 lbs
X3227-D	27"	15.0	6 shelves, 1 post kit	H-X-K227/00	49" W x 41" H x 49" D	1 crate: 54" W x 54" H x 48" D 1 crate: 48" W x 84" H x 44" D	1000 lbs	1148 lbs
X3236-D	36"	20.0	8 shelves, 2 post kit	H-X-K236/00	49" W x 50" H x 49" D	1 crate: 54" W x 48" H x 63" D 1 crate: 48" W x 84" H x 44" D	1135lbs	1339 lbs
X3245-D	45"	25.0	10 shelves, 2 post kits	H-X-K245/00	49" W x 59" H x 49" D	1 crate: 54" W x 48" H x 48" D 1 crate: 54" W x 36" H x 48" D 1 crate: 48" W x 84" H x 44" D	1275 lbs	1525 lbs

**Crosssection of Inside:** 30-1/2" wide by 30-1/2" deep.

**Minimum Space Requirements:** 64" wide by 64" deep.

**General Dimension Drawings:** See each model page on [hotkilns.com](http://hotkilns.com) to download PDF drawings.

# DaVinci X3200-D Series

## Electrical Specifications

Standard Models							Powered Bottom Models				
Model Number	Part Number	Volt/ Phase	Watts	Amps	Wire Size	Fuse Size	Part Number	Watts	Amps	Wire Size	Fuse Size
XB3218-D-240	K-X-B328/31	240/1P	14,196	59.2	3 ga	80 a	K-X-321P/31	18,928	78.9	1 ga	100 a
XB3218-D-240-3P	K-X-B328/32	240/3P	14,196	51.2	4 ga	70 a	K-X-321P/32	18,928	51.2	4 ga	70 a
XB3218-D-208	K-X-B328/21	208/1P	14,196	68.3	2 ga	90 a	K-X-321P/21	18,928	91.0	1/0	125 a
XB3218-D-208-3P	K-X-B328/22	208/3P	14,196	59.1	3 ga	80 a	K-X-321P/22	18,928	59.1	3 ga	80 a
X3227-D-240	K-X-3227/31	240/1P	18,039	75.2	1 ga	100 a	K-X-322P/31	22,050	91.9	1/0	125 a
X3227-D-240-3P	K-X-3227/32	240/3P	18,039	43.4	6 ga	60 a	K-X-322P/32	22,050	57.9	3 ga	80 a
X3227-D-208	K-X-3227/21	208/1P	18,039	86.7	1/0	125 a	K-X-322P/21	22,050	106.0	1/0	125 a
X3227-D-208-3P	K-X-3227/22	208/3P	18,039	50.1	4 ga	70 a	K-X-322P/22	22,050	66.8	2 ga	90 a
X3236-D-240	K-X-3236/31	240/1P	24,412	101.7	1/0	125 a	K-X-323P/31	28,060	116.9	2/0	150 a
X3236-D-240-3P	K-X-3236/32	240/3P	24,412	65.1	3 ga	80 a	K-X-323P/32	28,060	79.6	1 ga	100 a
X3236-D-208	K-X-3236/21	208/1P	24,412	117.4	2/0	150 a	K-X-323P/21	28,060	134.9	2/0	150 a
X3236-D-208-3P	K-X-3236/22	208/3P	24,412	75.1	1 ga	100 a	K-X-323P/22	28,060	91.8	1/0	125 a
X3245-D-240	K-X3245/31	240/1P	30,515	127.2	4/0	175 a	K-X324P/31	34,074	142.0	4/0	175 a
X3245-D-240-3P	K-X3245/32	240/3P	30,515	86.8	1/0	125 a	K-X324P/32	34,074	86.8	1 ga	100 a
X3245-D-208	K-X3245/21	208/1P	30,515	146.7	250 mcm	200 a	K-X324P/21	34,074	163.8	250 mcm	200 a
X3245-D-208-3P	K-X3245/22	208/3P	30,515	100.2	1/0	125 a	K-X324P/22	34,074	100.2	1/0	125 a

**For Model Number Powered Bottom Model:** Add a "PB" after the "D" (Example = X3227-D-PB-240-1).

**480 Volt Electrical Requirements:** See [hotkilns.com/davinci-electric.pdf](http://hotkilns.com/davinci-electric.pdf).

**High Powered Option Electrical Requirements:** This is available for the X3227-D, X3236-D, X3245-D. It increases KW ratings by about 20%. See [hotkilns.com/davinci-electric.pdf](http://hotkilns.com/davinci-electric.pdf).