

DaVinci X2800-D Series

26-1/2" x 26-1/2" 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)



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.

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 X2836-D is shown with four sections. The control panel is mounted on the right side of the kiln.



This shows the spring hinge system in the back



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KILNS BUILT TO LAST

Bulletin No: X28-918

DaVinci X2800-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)

Powered Bottom: Available on all X2800 Series kilns. (hotkilns.com/powered-bottoms-davinci-kilns)

High Power Option: The X2827-D, X2836-D, & X2845-D can be ordered with extra power. (XB Models)

Furniture Kits

Shelves are high alumina cone 11 shelves. Shelves are 11-1/2" x 23" 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 X2827

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
XB2818-D	18"	7.8	4 shelves, 1 post kit	H-X-K818/00	45" W x 32" H x 43" D	1 crate: 48" W x 45" H x 44" D 1 crate: 48" W x 74" H x 44" D	725 lbs	795 lbs
X2827-D	27"	11.7	6 shelves, 1 post kit	H-X-K827/00	45" W x 41" H x 43" D	1 crate: 48" W x 54" H x 44" D 1 crate: 48" W x 84" H x 44" D	835 lbs	935 lbs
X2836-D	36"	15.6	8 shelves, 2 post kits	H-X-K836/00	45" W x 50" H x 43" D	1 crate: 48" W x 63" H x 44" D 1 crate: 48" W x 84" H x 44" D	935 lbs	1075 lbs
X2845-D	45"	19.5	10 shelves, 2 post kits	H-X-K845/00	45" W x 59" H x 43" D	1 crate: 48" W x 48" H x 44" D 1 crate: 48" W x 36" H x 44" D 1 crate: 48" W x 84" H x 44" D	1050 lbs	1220 lbs

Crosssection of Inside: 26-1/2" wide by 26-1/2" deep.

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

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

DaVinci X2800-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
XB2818-D-240	K-X-B288/31	240/1P	11,592	48.3	6 ga	60 a	K-X-281P/31	15,500	64.4	3 ga	80 a
XB2818-D-240-3P	K-X-B288/32	240/3P	11,592	41.8	6 ga	60 a	K-X-281P/32	15,500	41.8	6 ga	60 a
XB2818-D-208	K-X-B288/21	208/1P	11,592	55.7	4 ga	70 a	K-X-281P/21	15,500	74.3	2 ga	90 a
XB2818-D-208-3P	K-X-B288/22	208/3P	11,592	48.3	6 ga	60 a	K-X-281P/22	15,500	48.3	6 ga	60 a
X2827-D-240	K-X-2827/31	240/1P	14,930	62.2	3 ga	80 a	K-X-282P/31	18,300	76.1	2 ga	90 a
X2827-D-240-3P	K-X-2827/32	240/3P	14,930	35.9	6 ga	50 a	K-X-282P/32	18,300	47.9	4 ga	70 a
X2827-D-208	K-X-2827/21	208/1P	14,930	71.8	2 ga	90 a	K-X-282P/21	18,300	87.7	1 ga	100 a
X2827-D-208-3P	K-X-2827/22	208/3P	14,930	41.5	6 ga	60 a	K-X-282P/22	18,300	55.3	4 ga	70 a
X2836-D-240	K-X-2836/31	240/1P	19,907	83.0	1 ga	100 a	K-X-283P/31	23,200	96.8	1/0	125 a
X2836-D-240-3P	K-X-2836/32	240/3P	19,907	53.9	4 ga	70 a	K-X-283P/32	23,200	65.9	3 ga	80 a
X2836-D-208	K-X-2836/21	208/1P	19,907	95.7	1/0	125 a	K-X-283P/21	23,200	111.7	1/0	125 a
X2836-D-208-3P	K-X-2836/22	208/3P	19,907	62.2	6 ga	80 a	K-X-283P/22	23,200	76.0	2 ga	90 a
X2845-D-240	K-X2845/31	240/1P	24,883	103.7	1/0	125 a	K-X284P/31	28,200	117.5	2/0	150 a
X2845-D-240-3P	K-X2845/32	240/3P	24,883	71.9	2 ga	90 a	K-X284P/32	28,200	71.9	2 ga	90 a
X2845-D-208	K-X2845/21	208/1P	24,883	119.6	2/0	150 a	K-X284P/21	28,200	135.6	2/0	150 a
X2845-D-208-3P	K-X2845/22	208/3P	24,883	82.9	1 ga	100 a	K-X284P/22	28,200	82.9	1 ga	100 a

For Model Number Powered Bottom Model: Add a "PB" after the "D" (Example = X2827-D-PB-240-1).

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.