

26-1/2" x 26-1/2" 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 X2836-D and X2845-D without disassembling kiln (see [hotkilns.com/section.html](http://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.

**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 use the control. (<http://www.youtube.com/user/LLKilns#p/u>)

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

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



An X2827-D is shown with three 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" pyrocoil sheathed (see [hotkilns.com/tc.pdf](http://hotkilns.com/tc.pdf)).

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

**Bell-Lift:** Not available on the X2800-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](http://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:** Available on all X2800-D Series kilns.

**High Power Option:** The X2827-D, X2836-D, & X2845-D can be ordered with extra power.

## 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
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 kit	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.

**Furniture/Shelves Kit:** Shelves are 11-1/2" x 23" 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 X2827-D

## 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-X-2845/31	240/1P	24,883	103.7	1/0	125 a	K-X-284P/31	28,200	117.5	2/0	150 a
X2845-D-240-3P	K-X-2845/32	240/3P	24,883	71.9	2 ga	90 a	K-X-284P/32	28,200	71.9	2 ga	90 a
X2845-D-208	K-X-2845/21	208/1P	24,883	119.6	2/0	150 a	K-X-284P/21	28,200	135.6	2/0	150 a
X2845-D-208-3P	K-X-2845/22	208/3P	24,883	82.9	1 ga	100 a	K-X-284P/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.