

30-1/2" x 30-1/2" 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 X3236-D and X3245-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.

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: Bell-lift system available (see hotkilns.com/lift.pdf).

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.

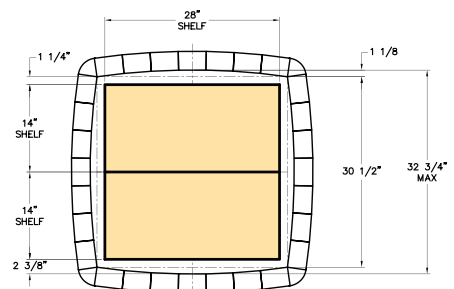
120 Volt Control Power Option: Allows control circuit to be plugged into a protected UPS power supply.

Powered Bottom: Available on all X3200-D Series kilns.

High Power Option: The X3227-D, X3236-D, & X3245-D can be ordered with extra power.



An X3236-D is shown with four 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).



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 |
|--------------|---------------|------------|-------------------------|------------------------|-----------------------|--|-----------------------|------------------------|
| 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.

Furniture/Shelves Kit: Shelves are 14" x 28" 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.

Bell-Lift Dimensions: See hotkilns.com/lift.html.



Furniture kit for an X3227-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 |
| 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.

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.