

## 43-1/2" x 30-1/2" Rectangular 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 T3436-D and T3445-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" pyroclil 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

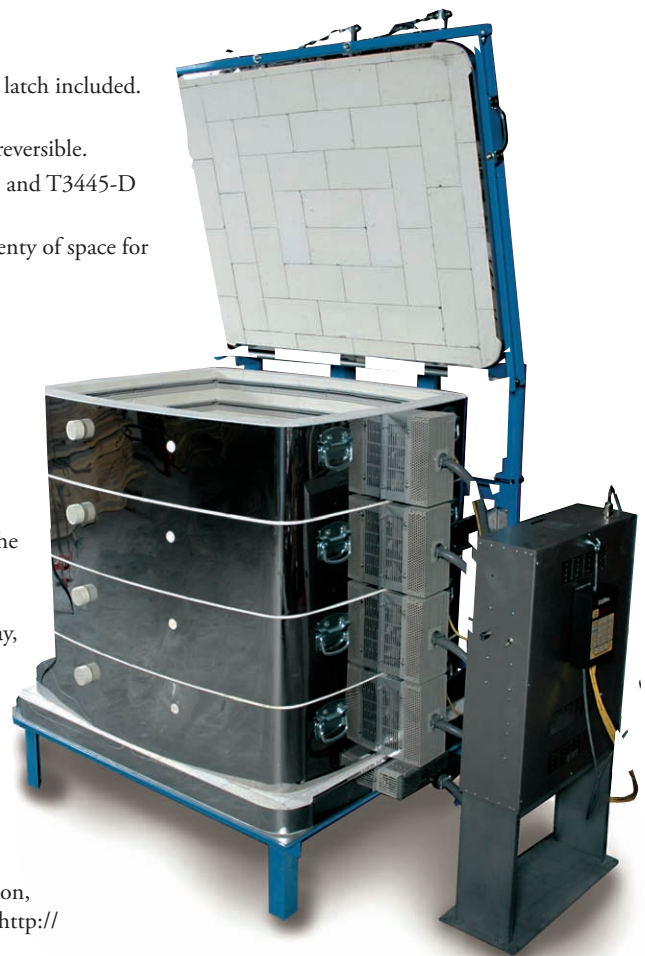
maintain the c-MET-us listing.

**Orton Sitter/Timer Backup Control:** For safety back-up or to use as final control device while still using the control for ramping.

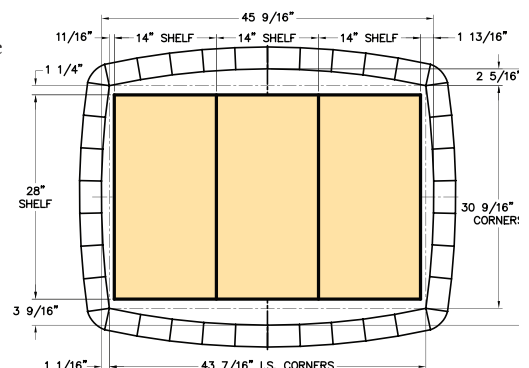
**120 Volt Control Power Option:** Allows control circuit to be plugged into a protected UPS power supply.

**Powered Bottom:** Available on all T3400-D Series kilns.

**High Power Option:** The T3427-D, T3436-D, & T3445-D can be ordered with extra power.



An T3436-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	Ship Weight Kiln Only	Ship Weight Kiln + Kit
TB3418-D	18"	13.8	6 shelves, 2 post kit	H-T-K518/00	62" W x 32" H x 49" D	1 crate: 65" W x 45" H x 48" D 1 crate: 65" W x 74" H x 48" D	1065 lbs	1223 lbs
T3427-D	27"	20.7	9 shelves, 2 post kit	H-T-K527/00	62" W x 41" H x 49" D	1 crate: 65" W x 54" H x 48" D 1 crate: 65" W x 84" H x 48" D	1225 lbs	1452 lbs
T3436-D	36"	27.6	12 shelves, 2 post kit	H-T-K536/00	62" W x 50" H x 49" D	1 crate: 65" W x 63" H x 48" D 1 crate: 65" W x 84" H x 48" D	1475 lbs	1771 lbs
T3445-D	45"	34.5	15 shelves, 3 post kits	H-T-K545/00	62" W x 59" H x 49" D	1 crate: 65" W x 48" H x 48" D 1 crate: 65" W x 36" H x 48" D 1 crate: 65" W x 84" H x 48" D	1675 lbs	2050 lbs

**Crosssection of Inside:** 43-1/2" wide by 30-1/2" deep.

**Minimum Space Requirements:** 77" wide by 64" deep.

**Furniture/Shelves Kit:** Shelves are 14" x 28" x 3/4" cordierite shelves. Each post kit includes twelve to eighteen each, depending on kiln size, 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 T3427-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
TB3418-D-240	K-T-3418/31	240/1P	19,935	83.1	1 ga	100 a	K-T-341P/31	26,580	110.8	2/0	150 a
TB3418-D-240-3P	K-T-3418/32	240/3P	19,935	71.9	2 ga	90 a	K-T-341P/32	26,580	71.9	2 ga	90 a
TB3418-D-208	K-T-3418/21	208/1P	19,935	95.8	1/0	125 a	K-T-341P/21	26,580	127.8	2/0	150 a
TB3418-D-208-3P	K-T-3418/22	208/3P	19,935	83.0	1 ga	100 a	K-T-341P/22	26,580	83.0	1/0	125 a
T3427-D-240	K-T-3427/31	240/1P	24,936	103.9	1/0	125 a	K-T-342P/31	30,480	127.0	2/0	150 a
T3427-D-240-3P	K-T-3427/32	240/3P	24,936	60.0	3 ga	80 a	K-T-342P/32	30,480	80.0	1 ga	100 a
T3427-D-208	K-T-3427/21	208/1P	24,936	119.9	2/0	150 a	K-T-342P/21	30,480	146.5	4/0	175 a
T3427-D-208-3P	K-T-3427/22	208/3P	24,936	69.2	2 ga	90 a	K-T-342P/22	30,480	92.3	1/0	125 a
T3436-D-240	K-T-3436/31	240/1P	33,248	138.5	4/0	175 a	K-T-343P/31	38,790	161.6	250 mcm	200 a
T3436-D-240-3P	K-T-3436/32	240/3P	33,248	90.0	1/0	125 a	K-T-343P/32	38,790	110.0	2/0	150 a
T3436-D-208	K-T-3436/21	208/1P	33,248	159.9	250 mcm	200 a	K-T-343P/21	38,790	186.5	350 mcm	225 a
T3436-D-208-3P	K-T-3436/22	208/3P	33,248	103.8	1/0	125 a	K-T-343P/22	38,790	126.9	2/0	150 a
T3445-D-240	K-T-3445/31	240/1P	41,560	173.2	250 mcm	200 a	K-T-344P/31	47,100	196.3	350 mcm	225 a
T3445-D-240-3P	K-T-3445/32	240/3P	41,560	120.0	2/0	150 a	K-T-344P/32	47,100	120.0	2/0	150 a
T3445-D-208	K-T-3445/21	208/1P	41,560	199.8	350 mcm	225 a	K-T-344P/21	47,100	226.5	350 mcm	250 a
T3445-D-208-3P	K-T-3445/22	208/3P	41,560	138.4	4/0	175 a	K-T-344P/22	47,100	138.4	4/0	175 a

**For Model Number Powered Bottom Model:** Add a "PB" after the "D" (Example = T3436-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 T3427-D, T3436-D, T3445-D. It increases KW ratings by about 20%. See hotkilns.com/davinci-electric.pdf.