

DaVinci T3400-D Series

43-1/2" x 30-1/2" Rectangular 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 T3436-D and T3445-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 T3427 is shown with three sections.



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



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KILNS BUILT TO LAST

Bulletin No: T34-918

DaVinci T3400-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 T3400 Series kilns. (hotkilns.com/powerd-bottoms-davinci-kilns)

High Power Option: The T3427-D, T3436-D, & T3445-D can be ordered with extra power. (TB Models)

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



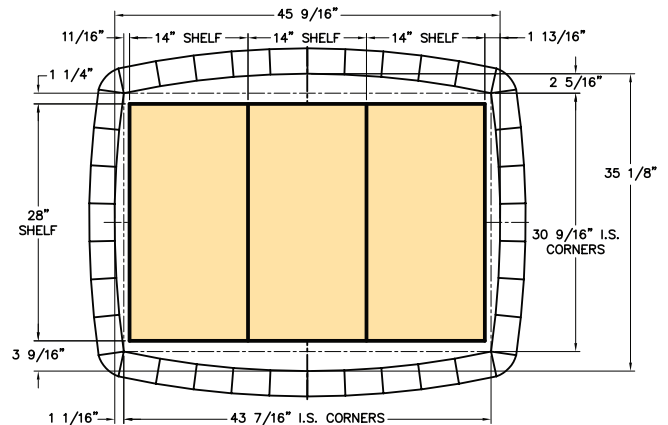
Furniture Kits

Shelves are high alumina cone 11 shelves. Shelves are 14" x 28" x 3/4". See below for quantity. One post kit includes six each 1/2", 1", 2" 4", 6" and 8" high 1-1/2" square cordierite posts. Furniture kit includes heat-resistant gloves.



Furniture kit for an T3427-D

Crosssection



Dimension & Weight 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.

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

DaVinci T3400-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
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
TB3418-D-480-3P	K-T-3418/62	480/3P	19,935	24.0	10 ga	30 a	K-T-341P/62	26,580	36.0	6 ga	50 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	80.6	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	93.3	1/0	125 a
T3427-D-480-3P	K-T-3427/62	480/3P	24,936	30.0	8 ga	40 a	K-T-342P/62	30,480	40.0	6 ga	50 a
TB3427-D-240	K-T-342B/31	240/1P	29,901	124.6	4/0	175 a	K-T-342W/31	36,545	152.3	250 mcm	200 a
TB3427-D-240-3P	K-T-342B/32	240/3P	29,901	71.9	2 ga	90 a	K-T-342W/32	36,545	96.9	1/0	125 a
TB3427-D-208	K-T-342B/21	208/1P	29,901	143.8	250 mcm	200 a	K-T-342W/21	36,545	175.8	350 mcm	225 a
TB3427-D-208-3P	K-T-342B/22	208/3P	29,901	83.0	1/0	125 a	K-T-342W/22	36,545	111.8	2/0	150 a
TB3427-D-480-3P	K-T-342B/62	480/3P	29,901	36.0	6 ga	50 a	K-T-342W/62	36,545	48.0	4 ga	60 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	240/1P	33,248	91.6	1/0	125 a	K-T-343P/32	38,790	100.6	1/0	125 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	105.7	2/0	150 a	K-T-343P/22	38,790	115.7	2/0	150 a
T3436-D-480-3P	K-T-3436/62	480/3P	33,248	40.0	6 ga	50 a	K-T-343P/62	38,790	50.0	3 ga	80 a
TB3436-D-240	K-T-343B/31	240/1P	39,868	166.1	350 mcm	225 a	K-T-343W/31	46,512	193.8	350 mcm	250 a
TB3436-D-240-3P	K-T-343B/32	240/1P	39,868	109.9	2/0	150 a	K-T-343W/32	46,512	120.7	2/0	150 a
TB3436-D-208	K-T-343B/21	208/1P	39,868	191.7	400 mcm	250 a	K-T-343W/21	46,512	223.7	500 mcm	300 a
TB3436-D-208-3P	K-T-343B/22	208/3P	39,868	126.8	4/0	175 a	K-T-343W/22	46,512	139.3	4/0	175 a
TB3436-D-480-3P	K-T-343B/62	480/3P	39,868	48.0	4 ga	60 a	K-T-343W/62	46,512	60.0	3 ga	80 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	126.6	4/0	175 a
T3445-D-480-3P	K-T-3445/62	480/3P	41,560	50.0	3 ga	80 a	K-T-344P/62	47,100	60.0	3 ga	80 a
TB3445-D-240	K-T-344B/31	240/1P	49,835	207.7	400 mcm	275 a	K-T-344W/31	56,479	235.4	500 mcm	300 a
TB3445-D-240-3P	K-T-344B/32	240/3P	49,835	143.9	250 mcm	200 a	K-T-344W/32	56,479	143.9	250 mcm	200 a
TB3445-D-208	K-T-344B/21	208/1P	49,835	239.6	500 mcm	300 a	K-T-344W/21	56,479	271.6	600 mcm	350 a
TB3445-D-208-3P	K-T-344B/22	208/3P	49,835	166.0	350 mcm	225 a	K-T-344W/22	56,479	166.0	350 mcm	225 a
TB3445-D-480-3P	K-T-344B/62	480/3P	49,835	60.0	3 ga	80 a	K-T-344W/62	56,479	72.0	2 ga	90 a

UL Listing: All models are c-MET-us listed. 480 models are c-MET-us listed as long as a NEMA1 panel is used.

TB Models: As shown above these are the versions with the “High Power Option”