

DaVinci TB644754-D Bell-Lift

100 Cubic Foot Industrial Bell-Lift Kiln

Features & Benefits

Temperature Rating: Cone 10, 2350°F, 1290°C

Loading: The kiln lifts up with an electric winch. Safety latches hold the kiln in place while kiln is loaded.

Assembly: Six 9" high sections stack on top of each other. Frame easily bolts together. (hotkilns.com/assembly-tb644754)

Kiln Construction: Unique shallow side arches create super-strong sides and allow for plenty of space for air circulation.

Insulation: 3" K23 firebrick on sides and top. 4" ceramic fiber module top (RCF or Non-RCF depending on maximum temperature required).

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 damage, keep elements from falling out of grooves, make changing elements easy, and optimize heat transfer to load.

Elements: Heavy-duty. 3 elements per 9" high section.

Control Panel: Floor mounted NEMA 1 panel separate from kiln. Kiln sections attached to panel with 105°C cords. Mechanical contactors with control relays. Branch fusing. 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: Three zone.

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 instructions with control reference, troubleshooting, and parts list. Web videos show how use the control. There is also a video showing the bell-lift raising and lowering. (hotkilns.com/jumbo-bell-kilns-raising)

Warranty: Limited 3 year warranty. (hotkilns.com/warranty).



This kiln is remarkably easy to assemble and install for such a large kiln. (hotkilns.com/assembly-tb644754)



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KILNS BUILT TO LAST

Bulletin No: TB64-3-15

DaVinci TB644754-D Bell-Lift

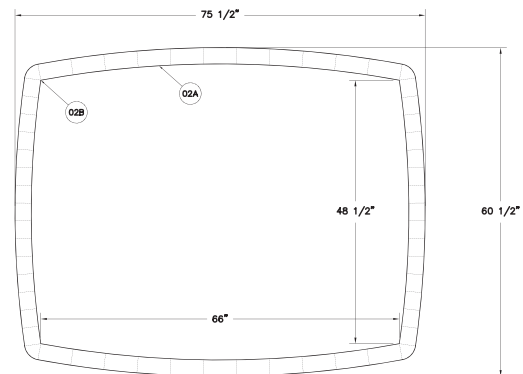
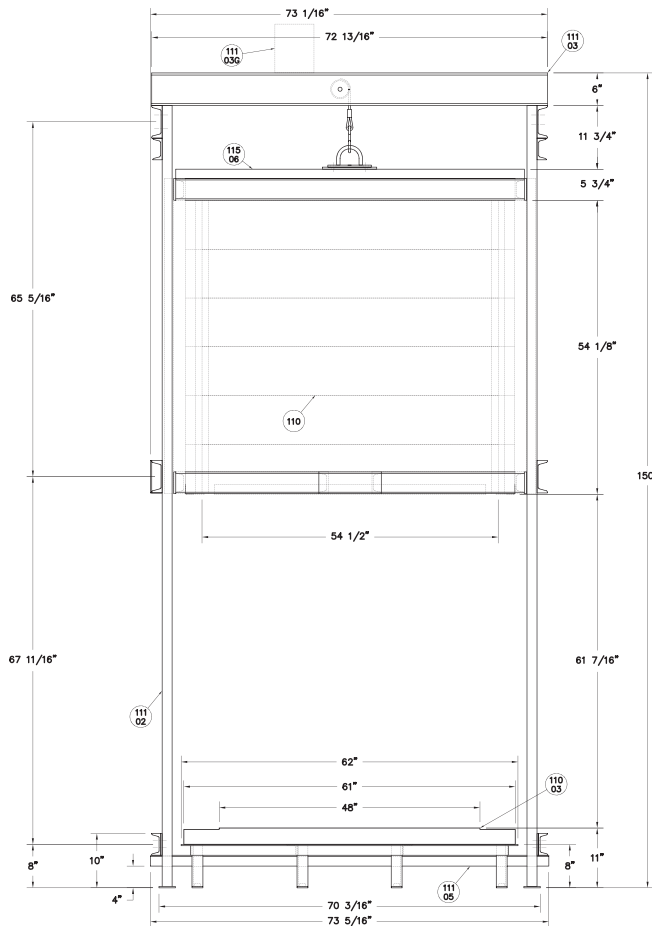
Dimension & Weight Specifications

| Model Number | Cubic Feet | Inside Dimensions | Outside Dimensions | Shipping Dimensions | Ship Weight Kiln Only |
|--------------|------------|---------------------|------------------------|------------------------------|--------------------------|
| TB644754 | 100 | 66" W x 47"D x 54"H | 96" W x 74" D x 160" H | Ships on one flatbed trailer | 4000 lbs |

Minimum Space Requirements: 120" wide by 98" deep by 165" high.

Furniture/Shelves Kit: All special order.

General Dimension Drawings: See hotkilns.com/general-dimension-drawing-tb644754



Options

Furniture Kits: Special order.

Vent System: Vent-Sure downdraft vent (hotkilns.com/vent)

Thermocouple Options: Type S platinum thermocouples (hotkilns.com/tcs) or 1/4" diameter pyrocl metallic sheathed thermocouples. (hotkilns.com/tc-metallic)

Industrial Controls: Various industrial-grade controls like the Eurotherm 2604 are available. (hotkilns.com/eurotherm3)

High Limit Control: (hotkilns.com/high-limit). With or without Back up contactors.

KISS Software: Monitor and control kiln from your computer. Includes datalogging. (hotkilns.com/kiss)

Other Sizes and Configurations: The height can be changed in 9" increments. Other crosssections can be designed. A Shuttle-Bell where the kiln moves back and forth between two fixed bases can be designed.

Electrical Specifications

| Model Number | Part Number | Volt/ Phase | Watts | Amps | Wire Size | Fuse Size |
|-----------------|-------------|----------------|--------|------|--------------|--------------|
| TB644754-480-3P | K-T-6454/62 | 480/3P | 87,840 | 106 | 2/0 | 150 Amps |

UL Listing: Not listed to UL499 standards. CE Listing available

Power connection: Direct connection to a terminal block in the contactor panel.