

100 Cubic Foot Industrial Bell-Lift Kiln

FEATURES

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: 9" high sections stack on top of each other. Frame easily bolts together. A forklift or overhead crane should be used in the assembly.

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: Reflective coating protects brick and reduces dusting.

Element Holders: Super high temperature ceramic with silicon carbide protect brick.

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

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

OPTIONS

Furniture Kits: Special order.

Thermocouple Options: Type S platinum or 1/4" pyrocoil metallic sheathed (see hotkilns.com/tc.pdf).

KISS Software: For computer monitoring and control. See hotkilns.com/kiss

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



This kiln is remarkably easy to assembly and install for such a large kiln.

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.

Extra Insulation: Kiln can be designed with 3" of firebrick and 2" of backup mineral wool, 4-1/2" to 6" firebrick on the base and 6" of fiber on the top.

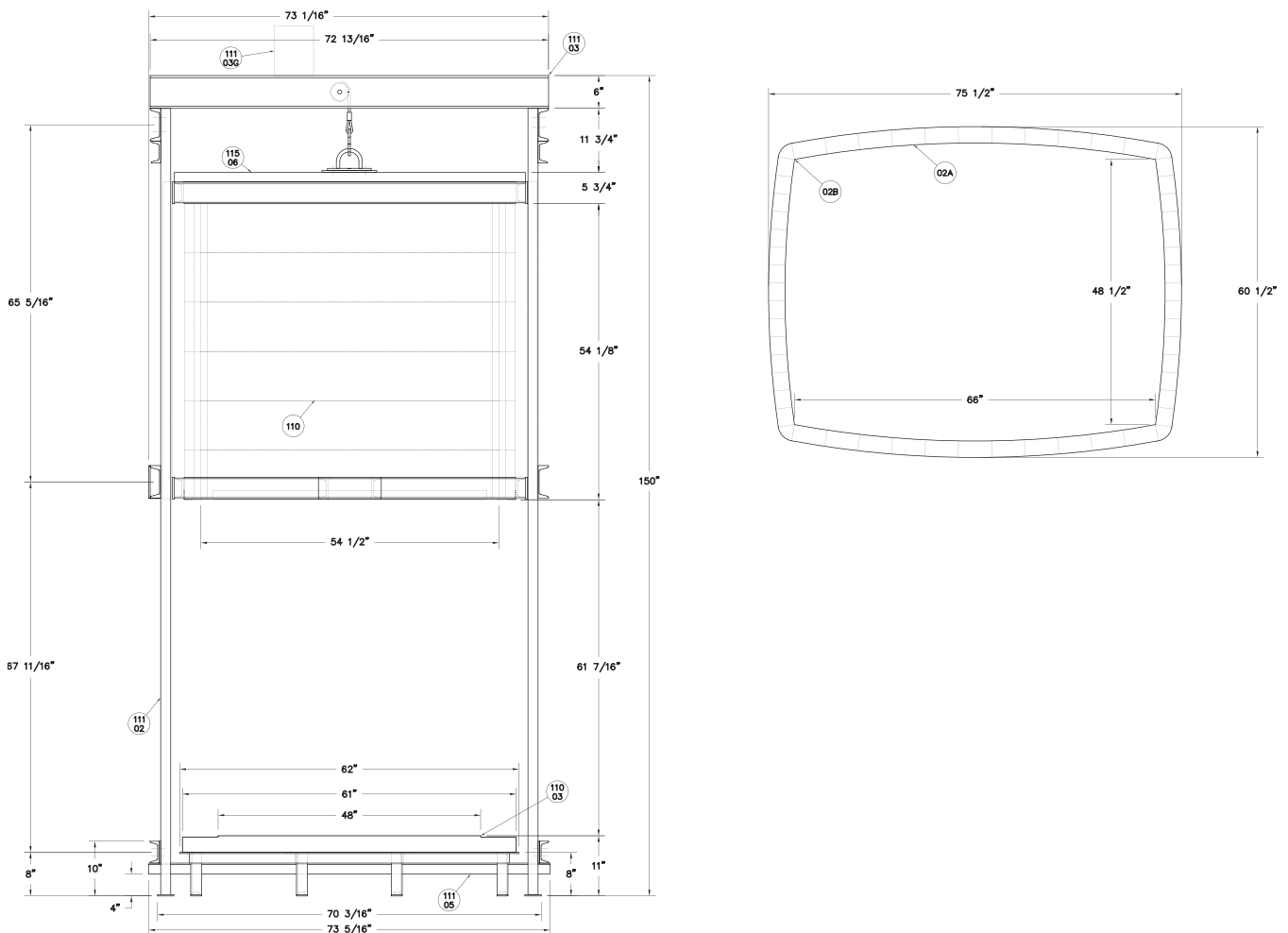
DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

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/GD-TB644754.pdf



DAVINCI TB644754-D Bell-Lift

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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.

Power connection: Direct connection to a terminal block in the Contactor Panel.