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)


This kiln is remarkably easy to assembly and install for such a large kiln. (hotkilns.com/assembly-tb644754)
**DaVinci TB644754-D Bell-Lift**

### Dimension & Weight Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Cubic Feet</th>
<th>Inside Dimensions</th>
<th>Outside Dimensions</th>
<th>Shipping Dimensions</th>
<th>Ship Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB644754</td>
<td>100</td>
<td>66&quot; W x 47&quot;D x 54&quot;H</td>
<td>96&quot; W x 74&quot; D x 160&quot; H</td>
<td>Ships on one flatbed trailer</td>
<td>4000 lbs</td>
</tr>
</tbody>
</table>

**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](http://hotkilns.com/general-dimension-drawing-tb644754)

### Options

**Furniture Kits:** Special order.

**Vent System:** Vent-Sure downdraft vent ([hotkilns.com/vent](http://hotkilns.com/vent))

**Thermocouple Options:** Type S platinum thermocouples ([hotkilns.com/tcs](http://hotkilns.com/tcs)) or 1/4" diameter pyrocil metallic sheathed thermocouples. ([hotkilns.com/tc-metallic](http://hotkilns.com/tc-metallic))

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

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

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

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

### Electrical Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Part Number</th>
<th>Volt/Phase</th>
<th>Watts</th>
<th>Amps</th>
<th>Wire Size</th>
<th>Fuse Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB644754-480-3P</td>
<td>K-T-6454/62</td>
<td>480/3P</td>
<td>87,840</td>
<td>106</td>
<td>2/0</td>
<td>150 Amps</td>
</tr>
</tbody>
</table>

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

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