Jupiter  JD1800 & JD1800-3 Series
16.5/17.5” Diameter Sectional Kilns • Cone 10 • 2-1/2” or 3” Brick

Features & Benefits

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

Loading: Lid position, when open, rests at an angle away from the kiln without lid supports so that loading is easy.

Hinge: The hinge of the JD1800 series is not spring-loaded. Chains are used to secure the lid in place when open.

Stand: Heavy-duty 14 gauge full solid stand with multiple bends for strength. Bolt on legs. Feet protectors included.

Assembly: Two to three 9” high sections stack on top of each other. Easy to assemble. Bottom is reversible.

Construction: Stainless steel wrapped around brick with 3 clamps on each section. All stainless screws on case.

Insulation: Choice of 2-1/2” or 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. 2 elements per 9” high section.

Element Connections: Proprietary all-ceramic element connection block makes changing elements easy.

Control Panel: All controls and components are mounted in a separate control panel that mounts to the element connection boxes. Cords from sections plug into this panel. The control panel is hinged for easy access and maintenance. Control box can be easily removed for servicing. On/off switch and control fuse are included.

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.
# Jupiter D1800 & JD1800-3 Series

## Options

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

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

**Genesis Touch Screen Control:** (hotkilns.com/genesis)

**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)

**Apm Sintered Elements:** Available as a special option. Increases element life in certain situations. (hotkilns.com/apm)

## Furniture Kits

Shelves are high alumina cone 11 shelves. Shelves are 15” diameter for kilns with 3” brick and 15.5” diameter for kilns with 2.5” brick. Full and half round cordierite shelves. Each post kit includes six each 1/2", 1", 2", 4", 6" and 8" high 1-1/2” square cordierite posts. All furniture kits include heat-resistant gloves.

## Dimension & Weight Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Inside Height</th>
<th>Cubic Feet</th>
<th>Furniture Kit</th>
<th>Outside Dimensions</th>
<th>Shipping Dimensions (with Kit)</th>
<th>Ship Weight Kiln Only</th>
<th>Ship Weight Kiln + Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD18</td>
<td>18”</td>
<td>2.6</td>
<td>1 full, 4 half shelves</td>
<td>H-J-K180/00 28” W x 31” H x 39” D</td>
<td>36” W x 55” H x 36” D</td>
<td>200 lbs</td>
<td>245 lbs</td>
</tr>
<tr>
<td>JD18X</td>
<td>27”</td>
<td>3.9</td>
<td>2 full, 4 half shelves</td>
<td>H-J-K18X/00</td>
<td>28” W x 40” H x 39” D</td>
<td>36” W x 60” H x 36” D</td>
<td>245 lbs</td>
</tr>
<tr>
<td>JD18-3</td>
<td>18”</td>
<td>2.5</td>
<td>1 full, 4 half shelves</td>
<td>H-J-K180/30</td>
<td>28” W x 32” H x 39” D</td>
<td>36” A x 55” H x 36” P</td>
<td>230 lbs</td>
</tr>
<tr>
<td>JD18X-3</td>
<td>27”</td>
<td>3.7</td>
<td>2 full, 4 half shelves</td>
<td>H-J-K18X/30</td>
<td>28” W x 41” H x 39” D</td>
<td>36” A x 60” H x 36” P</td>
<td>270 lbs</td>
</tr>
</tbody>
</table>

Cross section of Inside: 8 sided polygon, 16.5” in diameter for kilns with 3” brick and 17.5” diameter for kilns with 2-1/2” brick.

Minimum Space Requirements: 48” wide x 48” deep.

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

## 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>JD18-240</td>
<td>K-A-180X/31</td>
<td>240/1P</td>
<td>5,520</td>
<td>23.0</td>
<td>10 ga</td>
<td>30 a</td>
</tr>
<tr>
<td>JD18-240-3P</td>
<td>K-A-180X/32</td>
<td>240/3P</td>
<td>5,520</td>
<td>19.9</td>
<td>10 ga</td>
<td>30 a</td>
</tr>
<tr>
<td>JD18-208</td>
<td>K-A-180X/21</td>
<td>208/1P</td>
<td>5,520</td>
<td>26.5</td>
<td>10 ga</td>
<td>30 a</td>
</tr>
<tr>
<td>JD18-208-3P</td>
<td>K-A-180X/22</td>
<td>208/3P</td>
<td>5,520</td>
<td>23.0</td>
<td>10 ga</td>
<td>30 a</td>
</tr>
<tr>
<td>JD18X-240</td>
<td>K-A-18X/31</td>
<td>240/1P</td>
<td>8,280</td>
<td>34.5</td>
<td>6 ga</td>
<td>50 a</td>
</tr>
<tr>
<td>JD18X-240-3P</td>
<td>K-A-18X/32</td>
<td>240/3P</td>
<td>8,280</td>
<td>19.9</td>
<td>10 ga</td>
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<td>8,280</td>
<td>30.8</td>
<td>6 ga</td>
<td>50 a</td>
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<tr>
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<td>208/3P</td>
<td>8,280</td>
<td>23.0</td>
<td>10 ga</td>
<td>30 a</td>
</tr>
</tbody>
</table>

UL Listing: All the above models are c-MET-us listed.

Power Connection: Single phase models have a NEMA 6-50 plug. Three phase models have a NEMA 15-50 plug.