

Jupiter (Auto)

JD1800-3 Series

16-1/2" Diameter Automatic Sectional Kilns • Cone 10 • 3" Brick

FEATURES

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. Chains are used to secure the lid in place when open.

Hinge: The hinge of the JD1800-3 series is not spring-loaded.

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.

Insulation: 3" K23 firebrick.

Brick Coating: Reflective coating protects brick and reduces dusting.

Element Holders: Hard ceramic element holders protect brick.

Elements: Heavy-duty. 2 elements per 9" high section. Wired in series.

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

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

UL Listing: c-MET-us listed to UL499 standards.



A JD18-3 is shown with two sections.



OPTIONS

Furniture Kits: See Dimension & Hearth Specifications.

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

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

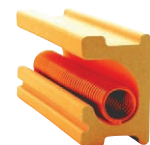
Orton Sitter/Timer Backup Control: For safety back-up or to use as final control device while still using the control for ramping.

120 Volt Control Power Option: Allows control circuit to be plugged into a protected UPS power supply.

Powered Bottom: Not available on the JD1800-3 series.



505 Sharptown Road • Swedesboro, NJ 08085
Phone: 856.294.0077 • Fax: 856.294.0070
Email: sales@hotkilns.com • Web: www.hotkilns.com



L&L Kiln's patented hard ceramic element holders protect your kiln.

DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

Model Number	Inside Height	Cubic Feet	Furniture Kit	Furniture Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Weight Kiln Only	Ship Weight Kiln + Kit
JD18-3	18"	2.5	1 full, 4 half shelves	H-J-K180/30	28" W x 32" H x 39" D	36" W x 55" H x 36" D	230 lbs	280 lbs
JD18X-3	27"	3.7	2 full, 4 half shelves	H-J-K18X/30	28" W x 41" H x 39" D	36" W x 60" H x 36" D	270 lbs	320 lbs

Crosssection of Inside: 8 sided polygon, 16-1/2" in diameter.

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

Furniture/Shelves Kit: Shelves are 15" diameter 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 and 5 pounds of cone 10 kiln wash.

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

For all Dimensions and Weights: See hotkilns.com/jupiter-dimensions.pdf.



Furniture kit for a JD18-3.



Furniture kit for a JD18X-3.

ELECTRICAL SPECIFICATIONS

Standard Models						
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size
JD18-3-240	K-A-180D/31	240/1P	5,520	23.0	10 ga	30 a
JD18-3-240-3P	K-A-180D/32	240/3P	5,520	19.9	10 ga	30 a
JD18-3-208	K-A-180D/21	208/1P	5,520	26.5	10 ga	30 a
JD18-3-208-3P	K-A-180D/22	208/3P	5,520	23.0	10 ga	30 a
JD18X-3-240	K-A-18XD/31	240/1P	8,280	34.5	6 ga	50 a
JD18X-3-240-3P	K-A-18XD/32	240/3P	8,280	19.9	10 ga	30 a
JD18X-3-208	K-A-18XD/21	208/1P	8,280	39.8	6 ga	50 a
JD18X-3-208-3P	K-A-18XD/22	208/3P	8,280	23.0	10 ga	30 a

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.