

# 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](http://hotkilns.com/videos))

**Warranty:** Limited 3 year warranty. ([hotkilns.com/warranty](http://hotkilns.com/warranty))

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



A JD18-3 is shown with two sections.



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**KILNS BUILT TO LAST**

Bulletin No: JD18-3-15

# Jupiter D1800 & JD1800-3 Series

## Options

**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 pyrocoil metallic sheathed thermocouples. ([hotkilns.com/tc-metallic](http://hotkilns.com/tc-metallic))

**Kiss Software:** Monitor and control kiln remotely. For the DynaTrol only. ([hotkilns.com/kiss](http://hotkilns.com/kiss))

**High Limit Back Up Control** (latching relay back up control system) ([hotkilns.com/high-limit](http://hotkilns.com/high-limit)):

**Back Up Contactors** (actuated by the High Limit Back Up Digital Control, needs a large box) ([hotkilns.com/high-limit](http://hotkilns.com/high-limit))

**120 Volt Power Supply:** with EMI electrical noise filter ([hotkilns.com/noise](http://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](http://hotkilns.com/quad))

**Apm Sintered Elements:** Available as a special option. Increases element life in certain situations. ([hotkilns.com/apm](http://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 and 1 lb of cone 10 kiln wash.



Furniture kit for a JD18



Furniture kit for a JD18X

## Dimension & Weight 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	18"	2.6	1 full, 4 half shelves	H-J-K180/00	28" W x 31" H x 39" D	36" W x 55" H x 36" D	200 lbs	245 lbs
JD18X	27"	3.9	2 full, 4 half shelves	H-J-K18X/00	28" W x 40" H x 39" D	36" W x 60" H x 36" D	245 lbs	295 lbs
JD18-3	18"	2.5	1 full, 4 half shelves	H-J-K180/30	28" W x 32" H x 39" D	36" A x 55" H x 36" P	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" A x 60" H x 36" P	270 lbs	320 lbs

**Crosssection 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](http://hotkilns.com) to download PDF drawings.

## Electrical Specifications

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