

Jupiter (Manual)

J1800-3 Series

16-1/2" Diameter Manual 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 J1800-3 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.

Control: Orton Kiln Sitter/Timer is mounted in a separate box on the outside of the kiln. Each section is controlled with separate infinitely adjustable switches.

Peephole Plugs: Non-fragile solid ceramic with heat-locked head. 1" diameter full-view non-tapered. One per section.

Instructions: Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list.

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

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

OPTIONS

Furniture Kits: See Dimension & Hearth Specifications.

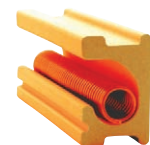
Vent System: Vent-Sure downdraft vent (see hotkilns.com/vent.pdf)

Tru-View Digital Pyrometer System: Multi-zone pyrometers let you control your manual zoned kiln with more accurate temperature readings and better control of temperature gradients. See separate specification sheet "Spec-Tru-View". (See hotkilns.com/spec-tru-view.pdf)

Powered Bottom: Not available on the J1800-3 series.



A J18-3 is shown with two sections.



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
J18-3	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
J18X-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 J18-3.



Furniture kit for a J18X-3.

ELECTRICAL SPECIFICATIONS

Standard Models						
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size
J18-3-240	K-J-180D/31	240/1P	5,520	23.0	10 ga	30 a
J18-3-240-3P	K-J-180D/32	240/3P	5,520	19.9	10 ga	30 a
J18-3-208	K-J-180D/21	208/1P	5,520	26.5	10 ga	30 a
J18-3-208-3P	K-J-180D/22	208/3P	5,520	23.0	10 ga	30 a
J18X-3-240	K-J-18XD/31	240/1P	8,280	34.5	6 ga	50 a
J18X-3-240-3P	K-J-18XD/32	240/3P	8,280	19.9	10 ga	30 a
J18X-3-208	K-J-18XD/21	208/1P	8,280	39.8	6 ga	50 a
J18X-3-208-3P	K-J-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.