

Jupiter (Manual)

J2900-3 Series

29" Diameter Manual Sectional Kilns • Cone 10 (most models) • 3" Brick

FEATURES

Temperature Rating: Cone 10, 2350°F, 1290°C (except J2918-3 which is Cone 5)

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

Hinge: Spring loaded for easy opening while still allowing lid to be supported without supports that get in the way of loading.

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

Assembly: Two to five 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. 3 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.

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.

Relays: Mercury free relays.

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)

480 Volts: 480 volts/ 3 phase uses 277 volt elements in a "Wye" electrical configuration for a balanced circuit (see hotkilns.com/480.pdf). Available without a NEMA 1 Control Panel at a lower cost, however this panel is required to maintain the c-MET-us listing.

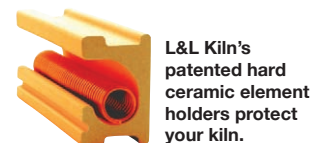
Powered Bottom: Available on all J2900-3 Series kilns. There are two extra elements on the bottom.



A JD2927 is shown with three sections. This shows the automatic version. No photo is available of the manual version at this time. However, see the photo on the J1800 series to see what the panel and Kiln Sitter mounting look like.



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Bulletin No: Spec-J2900-3-4-10

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
J2918-3	18"	6.8	6 shelves	H-J-K290/00	40" W x 32" H x 50" D	48" W x 55" H x 44" D	380 lbs	480 lbs
J2927-3	27"	10.2	8 shelves	H-J-K292/00	40" W x 41" H x 50" D	48" W x 60" H x 44" D	450 lbs	575 lbs
J2936-3	36"	13.6	10 shelves	H-J-K293/00	40" W x 50" H x 50" D	48" W x 63" H x 44" D and 36" W x 20" H x 36" D	565 lbs	715 lbs
J2945-3	45"	17	12 shelves	H-J-K294/00	40" W x 59" H x 50" D	48" W x 60" H x 44" D and 48" W x 38" H x 44" D	645 lbs	820 lbs

Crosssection of Inside: 12 sided polygon, 28" in diameter.

Minimum Space Requirements: 58" wide x 58" deep.

Furniture/Shelves Kit: Shelves are 26" diameter 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 J2918-3.



Furniture kit for a J2927-3.



Furniture kit for a J2936-3.



Furniture kit for a J2945-3.

ELECTRICAL SPECIFICATIONS

Standard Models							Powered Bottom Models					
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size	Model Number	Part Number	Watts	Amps	Wire Size	Fuse Size
J2918-3-240	K-J-291D/31	240/1P	9,120	38.0	6 ga	50 a	J2918-3-PB-240	K-J-291B/31	12,160	50.7	4 ga	70 a
J2918-3-240-3P	K-J-291D/32	240/3P	9,120	32.9	6 ga	50 a	J2918-3-PB-240-3P	K-J-291B/32	12,160	32.9	6 ga	50 a
J2918-3-208	K-J-291D/21	208/1P	8,320	40.0	6 ga	50 a	J2918-3-PB-208	K-J-291B/21	11,093	53.3	4 ga	70 a
J2918-3-208-3P	K-J-291D/22	208/3P	8,320	34.6	6 ga	50 a	J2918-3-PB-208-3P	K-J-291B/22	11,093	34.6	6 ga	50 a
J2927-3-240	K-J-292D/31	240/1P	13,680	57.0	3 ga	80 a	J2927-3-PB-240	K-J-292B/31	16,720	69.7	2 ga	90 a
J2927-3-240-3P	K-J-292D/32	240/3P	13,680	32.9	6 ga	50 a	J2927-3-PB-240-3P	K-J-292B/32	16,720	43.9	6 ga	60 a
J2927-3-208	K-J-292D/21	208/1P	12,480	60.0	3 ga	80 a	J2927-3-PB-208	K-J-292B/21	15,250	73.3	2 ga	90 a
J2927-3-208-3P	K-J-292D/22	208/3P	12,480	34.6	6 ga	50 a	J2927-3-PB-208-3P	K-J-292B/22	15,250	46.2	6 ga	60 a
J2936-3-240	K-J-293D/31	240/1P	18,240	76.0	1 ga	100 a	J2936-3-PB-240	K-J-293B/31	21,280	88.7	1/0	125 a
J2936-3-240-3P	K-J-293D/32	240/3P	18,240	49.3	4 ga	70 a	J2936-3-PB-240-3P	K-J-293B/32	21,280	60.3	3 ga	80 a
J2936-3-208	K-J-293D/21	208/1P	16,640	80.0	1 ga	100 a	J2936-3-PB-208	K-J-293B/21	19,413	93.3	1/0	125 a
J2936-3-208-3P	K-J-293D/22	208/3P	16,640	52.0	4 ga	70 a	J2936-3-PB-208-3P	K-J-293B/22	19,413	63.5	3 ga	80 a
J2945-3-240	K-J-294D/31	240/1P	22,800	95.0	1/0	125 a	J2945-3-PB-240	K-J-294B/31	25,840	107.7	2/0	150 a
J2945-3-240-3P	K-J-294D/32	240/3P	22,800	65.8	2 ga	90 a	J2945-3-PB-240-3P	K-J-294B/32	25,840	65.8	2 ga	90 a
J2945-3-208	K-J-294D/21	208/1P	20,800	100.0	1/0	125 a	J2945-3-PB-208	K-J-294B/21	23,573	113.3	2/0	150 a
J2945-3-208-3P	K-J-294D/22	208/3P	20,800	69.3	2 ga	90 a	J2945-3-PB-208-3P	K-J-294B/22	23,573	69.3	2 ga	90 a

Cone/Temperature Rating: Cone 10, 2350°F, 1290°C (except JD2918-3 which is rated for Cone 5, 2165°F, 1185°C)

UL Listing: All models are c-MET-us listed. 480 models are c-MET-us listed as long as a NEMA1 panel is used.

480 Volt Electrical Requirements: See hotkilns.com/480.html.

Power Connection: Direct hook up to fused disconnect switch.