

# Jupiter JD2900-3 Series

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

## Features & Benefits

**Temperature Rating:** Cone 10, 2350°F, 1290°C (except JD2918-3 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 on case.

**Insulation:** 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. 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. 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 zones with separate thermocouples on the JD2918-3. Three zones with separate thermocouples on all other models.

**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 JD2927-3 is shown with three sections.



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**KILNS BUILT TO LAST**

Bulletin No: JD29-918

# Jupiter JD2900-3 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))

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



**INDUSTRIAL CONTROLS:** Three zone Eurotherm control plus others. ([hotkilns.com/eurotherm3](http://hotkilns.com/eurotherm3)) [Custom pricing]

**480 VOLTS/3 PHASE:** (needs NEMA1 panel for MET-us listing) (sections hard wired to power box) ([hotkilns.com/480](http://hotkilns.com/480))

**NEMA 1 CONTROL BOX:** for industrial use (480 volts becomes MET-us listed with this extra option)

**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))

**Powered Bottom:** Available on all JD2900 Series kilns. There are two extra elements.



([hotkilns.com/powered-bottoms-jupiter-kilns](http://hotkilns.com/powered-bottoms-jupiter-kilns))

**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))



**"Pull-Apart" Option For Sculpture:** Includes floor mount stand for control panel, lift off lid with extra handles but no hinge. This option allows the entire kiln to be dismantled to make it easy to load large sculptural pieces. The kiln sections are unplugged and then taken off one at a time. ([hotkilns.com/pull-apart-kilns](http://hotkilns.com/pull-apart-kilns))

## Furniture Kits

Shelves are high alumina cone 11 shelves. They are all half shelves 25.5" in diameter 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.



Furniture kit for a JD2918-3



Furniture kit for a JD2927-3



Furniture kit for a JD2936-3



Furniture kit for a JD2945-3

## 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
JD2918-3	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
JD2927-3	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
JD2936-3	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
JD2945-3	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.

**General Dimension Drawings:** See each model page on [hotkilns.com](http://hotkilns.com) to download PDF drawings.

## 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
JD2918-3-240	K-A-291D/31	240/1P	9,120	38.0	6 ga	50 a	JD2918-3-PB-240	K-A-291B/31	12,160	50.7	4 ga	70 a
JD2918-3-240-3P	K-A-291D/32	240/3P	9,120	32.9	6 ga	50 a	JD2918-3-PB-240-3P	K-A-291B/32	12,160	32.9	6 ga	50 a
JD2918-3-208	K-A-291D/21	208/1P	8,320	40.0	6 ga	50 a	JD2918-3-PB-208	K-A-291B/21	11,093	53.3	4 ga	70 a
JD2918-3-208-3P	K-A-291D/22	208/3P	8,320	34.6	6 ga	50 a	JD2918-3-PB-208-3P	K-A-291B/22	11,093	34.6	6 ga	50 a
JD2927-3-240	K-A-292D/31	240/1P	13,680	57.0	3 ga	80 a	JD2927-3-PB-240	K-A-292B/31	16,720	69.7	2 ga	90 a
JD2927-3-240-3P	K-A-292D/32	240/3P	13,680	32.9	6 ga	50 a	JD2927-3-PB-240-3P	K-A-292B/32	16,720	43.9	6 ga	60 a
JD2927-3-208	K-A-292D/21	208/1P	12,480	60.0	3 ga	80 a	JD2927-3-PB-208	K-A-292B/21	15,250	73.3	2 ga	90 a
JD2927-3-208-3P	K-A-292D/22	208/3P	12,480	34.6	6 ga	50 a	JD2927-3-PB-208-3P	K-A-292B/22	15,250	46.2	6 ga	60 a
JD2936-3-240	K-A-293D/31	240/1P	18,240	76.0	1 ga	100 a	JD2936-3-PB-240	K-A-293B/31	21,280	88.7	1/0	125 a
JD2936-3-240-3P	K-A-293D/32	240/3P	18,240	49.3	4 ga	70 a	JD2936-3-PB-240-3P	K-A-293B/32	21,280	60.3	3 ga	80 a
JD2936-3-208	K-A-293D/21	208/1P	16,640	80.0	1 ga	100 a	JD2936-3-PB-208	K-A-293B/21	19,413	93.3	1/0	125 a
JD2936-3-208-3P	K-A-293D/22	208/3P	16,640	52.0	4 ga	70 a	JD2936-3-PB-208-3P	K-A-293B/22	19,413	63.5	3 ga	80 a
JD2945-3-240	K-A-294D/31	240/1P	22,800	95.0	1/0	125 a	JD2945-3-PB-240	K-A-294B/31	25,840	107.7	2/0	150 a
JD2945-3-240-3P	K-A-294D/32	240/3P	22,800	65.8	2 ga	90 a	JD2945-3-PB-240-3P	K-A-294B/32	25,840	65.8	2 ga	90 a
JD2945-3-208	K-A-294D/21	208/1P	20,800	100.0	1/0	125 a	JD2945-3-PB-208	K-A-294B/21	23,573	113.3	2/0	150 a
JD2945-3-208-3P	K-A-294D/22	208/3P	20,800	69.3	2 ga	90 a	JD2945-3-PB-208-3P	K-A-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](http://hotkilns.com/480.html).

**Power Connection:** Direct hook up to fused disconnect switch.