

# Jupiter JD2300 & JD2300-3 Series

22.5/23.5" Diameter Sectional Kilns • Cone 10 • 3" or 2-1/2" Brick

## Features & Benefits

**Temperature Rating:** Cone 10, 2350°F, 1290°C (except JD23V and JD23V-3 which are 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:** 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 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 JD230V is shown with three sections.



A JD245V is shown with five sections.



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**KILNS BUILT TO LAST**

Bulletin No: JD23-3-15

# Jupiter JD2300 & JD2300-3 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))



**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 JD2300 Series kilns. There is one extra element on the bottom. ([hotkilns.com/powereds-bottoms-jupiter-kilns](http://hotkilns.com/powereds-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. Shelves are 20" diameter for kilns with 3" brick and 21" 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 J23V



Furniture kit for a J230V



Furniture kit for a J236V



Furniture kit for a J245V

## 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
JD23V	18"	4.7	1 full, 4 half shelves	H-J-K230/00	32" W x 31" H x 45" D	44" W x 55" H x 44" D	275 lbs	350 lbs
JD230V	27"	7.0	2 full, 4 half shelves	H-J-K23X/00	32" W x 40" H x 45" D	44" W x 60" H x 44" D	330 lbs	425 lbs
JD236V	36"	9.4	3 full, 4 half shelves	H-J-K236/00	32" W x 49" H x 45" D	44" W x 63" H x 44" D and 36" W x 20" H x 36" D	360 lbs	455 lbs
JD245V	45"	11.8	4 full, 4 half shelves	H-J-K245/00	32" W x 58" H x 45" D	44" W x 60" H x 44" D and 44" W x 38" H x 44" D	445 lbs	560 lbs
JD23V-3	18"	4.5	1 full, 4 half shelves	H-J-K230/30	32" W x 32" H x 45" D	44" W x 55" H x 44" D	315 lbs	340 lbs
JD230V-3	27"	6.7	2 full, 4 half shelves	H-J-K23X/30	32" W x 41" H x 45" D	44" W x 60" H x 44" D	385 lbs	470 lbs
JD236V-3	36"	8.9	3 full, 4 half shelves	H-J-K236/30	32" W x 50" H x 45" D	44" W x 63" H x 44" D and 36" W x 20" H x 36" D	460 lbs	545 lbs
JD245V-3	45"	11.1	4 full, 4 half shelves	H-J-K245/30	32" W x 59" H x 45" D	44" W x 60" H x 44" D and 44" W x 38" H x 44" D	540 lbs	650 lbs

**Crosssection of Inside:** 10 sided polygon, 22" in diameter for kilns with 3: brick and 23.5" for kilns with 2-1/2" brick.

**Minimum Space Requirements:** 54" wide x 52-1/2" deep.

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

# Jupiter JD2300 & JD2300-3 Series

## 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
JD23V-240	K-A-230H/31	240/1P	7,036	29.3	8 ga	40 a	JD23V-PB-240	K-A-230P/31	8,800	36.6	6 ga	50 a
JD23V-240-3P	K-A-230H/32	240/3P	7,036	25.4	8 ga	40 a	JD23V-PB-240-3P	K-A-230P/32	8,800	25.4	8 ga	40 a
JD23V-208	K-A-230H/21	208/1P	6,096	29.3	8 ga	40 a	JD23V-PB-208	K-A-230P/21	7,620	36.6	6 ga	50 a
JD23V-208-3P	K-A-230H/22	208/3P	6,096	25.4	8 ga	40 a	JD23V-PB-208-3P	K-A-230P/22	7,620	25.4	8 ga	40 a
JD230V-240	K-A-231H/31	240/1P	10,554	44.0	6 ga	60 a	JD230V-PB-240	K-A-231P/31	12,300	51.3	4 ga	70 a
JD230V-240-3P	K-A-231H/32	240/3P	10,554	25.4	8 ga	40 a	JD230V-PB-240-3P	K-A-231P/32	12,300	31.7	6 ga	50 a
JD230V-208	K-A-231H/21	208/1P	9,144	44.0	6 ga	60 a	JD230V-PB-208	K-A-231P/21	10,700	51.3	4 ga	70 a
JD230V-208-3P	K-A-231H/22	208/3P	9,144	25.4	8 ga	40 a	JD230V-PB-208-3P	K-A-231P/22	10,700	31.7	6 ga	50 a
JD236V-240	K-A-236H/31	240/1P	14,072	58.6	3 ga	80 a	JD236V-PB-240	K-A-236P/31	15,800	65.9	2 ga	90 a
JD236V-240-3P	K-A-236H/32	240/3P	14,072	38.1	6 ga	50 a	JD236V-PB-240-3P	K-A-236P/32	15,800	44.4	6 ga	60 a
JD236V-208	K-A-236H/21	208/1P	12,192	58.6	3 ga	80 a	JD236V-PB-208	K-A-236P/21	13,700	65.9	2 ga	90 a
JD236V-208-3P	K-A-236H/22	208/3P	12,192	38.1	6 ga	50 a	JD236V-PB-208-3P	K-A-236P/22	13,700	44.4	6 ga	60 a
JD245V-240	K-A-245H/31	240/1P	17,590	73.3	1 ga	100 a	JD245V-PB-240	K-A-245P/31	19,400	80.6	1 ga	100 a
JD245V-240-3P	K-A-245H/32	240/3P	17,590	50.8	4 ga	70 a	JD245V-PB-240-3P	K-A-245P/32	19,400	50.8	4 ga	70 a
JD245V-208	K-A-245H/21	208/1P	15,240	73.3	1 ga	100 a	JD245V-PB-208	K-A-245P/21	16,800	80.6	1 ga	100 a
JD245V-208-3P	K-A-245H/22	208/3P	15,240	50.8	4 ga	70 a	JD245V-PB-208-3P	K-A-245P/22	16,800	50.8	4 ga	70 a

**Extra Power:** Extra wattage and amperage can be achieved through the use of Easy-Fire elements on Jupiter kilns at no extra charge.

**Cone/Temperature Rating:** Cone 10, 2350°F, 1290°C (except JD23V which is rated for Cone 5, 2165°F, 1185°C)

**UL Listing:** All the above models are c-MET-us listed.

**Power Connection:** Single phase models up to 48 amps have a NEMA 6-50 plug. Three phase models up to 48 amps have a NEMA 15-50 plug. All other models are direct wire to a fused disconnect switch.