

# JH Series Cone 12 Crystalline Kilns

## Designed for Crystalline Glaze • Cone 12

### Features & Benefits

**Temperature Rating:** Cone 12, 2400°F, 1315°C

**Power Loading:** These kilns come with approximately 25% more power than a regular kiln of similar size.

**Loading:** Lid position, when open, rests at an angle away from the kiln.

**Hinge:** Spring loaded for easy opening while still allowing lid to be supported without supports that get in the way of loading. (The JD18-JH lid is not spring loaded. It is instead supported by chains.)

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

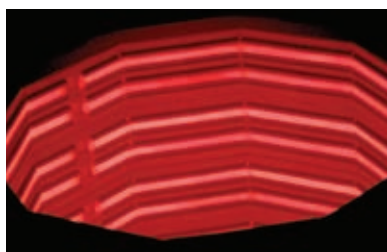
**Assembly:** Two or three 9" high sections stack on top of each other. Easy to assemble. Bottom is reversible.

**Construction:** Stainless steel wrapped around brick with 3 clamps on each section. All stainless screws.

**Insulation:** 2-1/2" K25 firebrick. on side and bottom, 3" K25 on top. This design is optimized to fire crystalline glaze.

**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.



**Quad Element Design:** Super Heavy-duty, thick elements with 4 rows of 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. Mounting and type of panel vary with model number. The control panel and element box are 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. Two programs can be combined for one 16 segment program.

**Zone Control:** Two or three zone (one zone per kiln section) Each zone has a separate thermocouple.

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



The JH kilns were designed specifically for firing crystalline glaze. They feature special 2500°F firebrick for extra high cone 12 firing, extra power for fast heat up, super heavy-duty elements to hold up to the special rigors of crystalline firing, minimal insulation to allow for fast cool down, and type S thermocouples for long life.

**Thermocouples:** Platinum Type S with alumina protection tubes are standard.

**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))



505 Sharptown Road • Swedesboro, NJ 08085  
Phone: 856.294.0077 • Fax: 856.294.0070  
sales@hotkilns.com • hotkilns.com

**KILNS BUILT TO LAST**

Bulletin No: JH-918

# JH Series Cone 12 Crystalline Kilns

## Options

**Furniture/Shelves Kit:** Shelves are round Cone 11 high alumina 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.



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

**KISS Software:** This is to monitor and control the firing from your computer. It is particularly good for maintaining an accurate log of your firing cycles. ([hotkilns.com/kiss](http://hotkilns.com/kiss))

**Vent System:** Vent-Sure downdraft vent ([hotkilns.com/vent-sure](http://hotkilns.com/vent-sure))

**APM Elements:** For extra long element life. ([hotkilns.com/apm](http://hotkilns.com/apm))

## Dimension & Weight Specifications

Model Number	Inside Dimensions	Cubic Feet	Furniture Kit	Furniture Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Weight Kiln Only	Ship Weight Kiln + Kit
JD18-JH	17-1/2" Diam x 18" H	2.6	(1) 15-1/2" full, (4) half shelves	H-J-K180/00	28" W x 31-1/2" H x 39" D	36" W x 55" H x 36" D	205 lbs	250 lbs
e23S-JH	23-3/8" Diam x 18" H	4.7	(1) 21" full, (4) half shelves	H-E-K23S/00	32" W x 31-1/2" H x 45" D	44" W x 55" H x 44" D	280 lbs	365 lbs
JD230-JH	23-3/8" Diam x 27" H	7.0	(2) 21" full, (4) half shelves	H-J-K23X/00	32" W x 40-1/2" H x 45" D	44" W x 60" H x 44" D	340 lbs	435 lbs
JD2927-JH	29" Diam x 27" H	10.3	(8) 25-1/2" half shelves	H-J-K292/00	40" W x 40-1/2" H x 50" D	48" W x 60" H x 44" D	595 lbs	715 lbs

Minimum Space Requirements: Refer to General Dimension Drawings for the corresponding Jupiter Automatic models

**General Dimension Drawings:** PDFs of all General Dimension drawings can be downloaded from each model page on our web site. The General Dimension will be similar to the base model (i.e. a JD18-JH will use the General Dimension Drawing of a JD18 with 2-1/2" brick). The only difference is that the 3" bottom will add an extra 1/2" to the height.

## Electrical Specifications

Standard Models								
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size	Power Connection	Number of Zones
JD18-JH-240	K-A-180J/31	240/1P	8,800	36.7	6 ga	60 amps	Cord with NEMA 6-50 Plug	2
JD18-JH-240-3P	K-A-180J/32	240/3P	8,800	31.8	6 ga	50 amps	Cord with NEMA 15-50 Plug	2
JD18-JH-208	K-A-180J/21	208/1P	8,800	42.3	6 ga	60 amps	Cord with NEMA 6-50 Plug	2
JD18-JH-208-3P	K-A-180J/22	208/3P	8,800	36.6	6 ga	50 amps	Cord with NEMA 15-50 Plug	2
e23S-JH-240	K-E-23SJ/31	240/1P	10,500	47.9	6 ga	60 amps	Cord with NEMA 6-50 Plug	2
e23S-JH-240-3P	K-E-23SJ/32	240/3P	10,500	41.5	6 ga	50 amps	Cord with NEMA 15-50 Plug	2
e23S-JH-208	K-E-23SJ/21	208/1P	9,984	48.0	6 ga	60 amps	Cord with NEMA 6-50 Plug	2
e23S-JH-208-3P	K-E-23SJ/22	208/3P	9,984	41.6	6 ga	50 amps	Cord with NEMA 15-50 Plug	2
JD230-JH-240	K-A-231J/31	240/1P	13,680	57.0	3 ga	80 amps	Direct to Fused Disconnect	3
JD230-JH-240-3P	K-A-231J/32	240/3P	13,680	32.9	6 ga	50 amps	Cord with NEMA 15-50 Plug	3
JD230-JH-208	K-A-231J/21	208/1P	12,480	60.0	3 ga	80 amps	Direct to Fused Disconnect	3
JD230-JH-208-3P	K-A-231J/22	208/3P	12,480	34.7	6 ga	50 amps	Cord with NEMA 15-50 Plug	3
JD2927-JH-240	K-A-292J/31	240/1P	18,039	75.2	1 ga	100 amps	Direct to Fused Disconnect	3
JD2927-JH-240-3P	K-A-292J/32	240/3P	18,039	43.5	6 ga	60 amps	Cord with NEMA 15-50 Plug	3
JD2927-JH-208	K-A-292J/21	208/1P	18,039	86.7	1/0 ga	125 amps	Direct to Fused Disconnect	3
JD2927-JH-208-3P	K-A-292J/22	208/3P	18,039	50.1	4 ga	70 amps	Direct to Fused Disconnect	3

**UL Listing:** Not listed to UL499 standards.