

Simple Inexpensive Manual Top-Loading Kilns • 2.6 to 10.2 Cubic Feet

FEATURES

Temperature Rating: Most models are Cone 10, 2350°F, 1290°C, the exception is the D28T. See Specifications.

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. (The D18S, D18T, D23S, & D23T lids are not spring loaded. They are instead supported by chains although the spring hinge is an option.)

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" or 3" K23 firebrick. See Specifications.

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.

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 is piggy-backed to the element connection box. A layer of insulation and this separation helps keep the switches cool. The control panel and element box are 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.

Switches: Each section is controlled with separate Hi-Medium-Low switches. These simple switches work by allowing either full voltage through both elements (High), full voltage through one element (Medium), or half voltage through both elements (Low).

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

Power Cord/Plug: 50 Amp NEMA 6-50 six foot cord included.

Instructions: Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list. In addition web videos show how to assemble the kiln. (<http://www.youtube.com/user/LLKilns#p/u>)

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

OPTIONS

Spring Hinge: The spring loaded hinge is available for the D23S & D23T kilns.

Furniture Kits: See Dimension & Hearth Specifications.

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



The simple, inexpensive, manual, top-loading Dura-Fire kiln meets the needs of potters and others who need an extremely durable yet inexpensive manual kiln. Everything about this kiln is designed for easy maintenance and rugged reliability. The elements used are the same heavy-duty elements used on L&L's Easy-Fire kilns. The high-medium-low turn-up switches extend element life by using low voltage for low heat and reducing the amount of switching to the elements. The elements, control panel, Dawson kiln sitter/timer are all incredibly easy and logical to work on.

DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

Model Number	Inside Dimensions	Cubic Feet	Brick Thick	Furniture Kit	Furn Kit Part No.	Outside Dimensions	Shipping Dimensions (w Kit)	Ship Wght Kiln Only	Ship Wght Kiln + Kit
D18S	17-1/2"D x 18"H	2.6	2-1/2"	(1) 15-1/2" full, (4) half	H-E-K18S/00	29" W x 31" H x 30" D	36" W x 55" H x 36" D	190 lbs	245 lbs
D18S-3	16-1/2"D x 18"H	2.5	3"	(1) 15" full, (4) half	H-E-K18S/30	29" W x 31" H x 30" D	36" W x 55" H x 36" D	220 lbs	255 lbs
D18T	17-1/2"D x 27"H	3.9	2-1/2"	(2) 15-1/2" full, (4) half	H-E-K18T/00	29" W x 40" H x 30" D	36" W x 60" H x 36" D	230 lbs	305 lbs
D18T-3	16-1/2"D x 27"H	3.7	3"	(2) 15" full, (4) half	H-E-K18T/30	29" W x 40" H x 30" D	36" W x 60" H x 36" D	255 lbs	325 lbs
D23S	23 3/8"D X 18"H	4.7	2-1/2"	(1) 21" full, (4) half	H-E-K23S/00	31" W x 32" H x 42" D	44" W x 55" H x 44" D	265 lbs	350 lbs
D23S-3	22 3/8"D X 18"H	4.5	3"	(1) 20" full, (4) half	H-E-K23S/30	31" W x 33" H x 42" D	44" W x 55" H x 44" D	305 lbs	400 lbs
D23T	23 3/8"D X 27"H	7.0	2-1/2"	(2) 21" full, (4) half	H-E-K23T/00	31" W x 41" H x 42" D	44" W x 60" H x 44" D	325 lbs	420 lbs
D23T-3	22 3/8"D X 27"H	6.7	3"	(2) 20" full, (4) half	H-E-K23T/30	31" W x 42" H x 42" D	44" W x 60" H x 44" D	360 lbs	455 lbs
D28S-3	28 "D X 18"H	6.8	3"	(6) 26" half	H-E-K28S/00	37" W x 33" H x 48" D	48" W x 55" H x 44" D	370 lbs	470 lbs
D28T-3	28 "D X 27"H	10.2	3"	(8) 26" half	H-E-K28T/00	37" W x 42" H x 48" D	48" W x 60" H x 44" D	460 lbs	565 lbs

Minimum Space Requirements: See corresponding Easy-Fire model for this information.

Furniture / Accessory Kit: Shelves as listed above. Each kit also includes a post kit with six each 1/2", 1", 2" 4", 6" and 8" high 1-1/2" square cordierite posts as well as heat-resistant gloves and 5 pounds of cone 10 kiln wash.

Moving and installation: This comes assembled but can be quickly disassembled and reassembled to move through any door or up stairs. It comes packed in a skidded carton with secure foam-in-place packaging.

General Dimension Drawings: See hotkilns.com to download PDF drawings for equivalent Easy-Fire models.



Furniture kit for a D23T

ELECTRICAL SPECIFICATIONS

Model Number	Part Number	Brick Thick	Cone	Volts	Watts	Amps	Wire Size	Fuse Size
D18S-240	K-C-18SX/31	2-1/2"	10	240	6,380	26.6	8 ga	40 Amps
D18S-208	K-C-18SX/21	2-1/2"	10	208	5,540	26.6	8 ga	40 Amps
D18S-3-240	K-C-18S3/31	3"	10	240	6,380	26.6	8 ga	40 Amps
D18S-3-208	K-C-18S3/21	3"	10	208	5,540	26.6	8 ga	40 Amps
D18T-240	K-C-18TX/31	2-1/2"	10	240	9,570	40.0	6 ga	50 Amps
D18T-208	K-C-18TX/21	2-1/2"	10	208	8,310	39.8	6 ga	50 Amps
D18T-3-240	K-C-18T3/31	3"	10	240	9,570	40.0	6 ga	50 Amps
D18T-3-208	K-C-18T3/21	3"	10	208	8,310	39.8	6 ga	50 Amps
D23S-240	K-C-23SX/31	2-1/2"	10	240	9,460	39.4	6 ga	50 Amps
D23S-208	K-C-23SX/21	2-1/2"	10	208	8,320	40.0	6 ga	50 Amps
D23S-3-240	K-C-23S3/31	3"	10	240	9,460	39.4	6 ga	50 Amps
D23S-3-208	K-C-23S3/21	3"	10	208	8,320	40.0	6 ga	50 Amps
D23T-240	K-C-23TX/31	2-1/2"	10	240	11,520	48.0	6 ga	60 Amps
D23T-208	K-C-23TX/21	2-1/2"	10	208	9,980	48.0	6 ga	60 Amps
D23T-3-240	K-C-23T3/31	3"	10	240	11,520	48.0	6 ga	60 Amps
D23T-3-208	K-C-23T3/21	3"	10	208	9,980	48.0	6 ga	60 Amps
D28S-3-240	K-C-28SX/31	3"	10	240	11,500	47.9	6 ga	60 Amps
D28S-3-208	K-C-28SX/21	3"	10	208	9,980	48.0	6 ga	60 Amps
D28T-3-240	K-C-28TX/31	3"	8	240	11,520	48.0	6 ga	60 Amps
D28T-3-208	K-C-28TX/21	3"	5	208	9,980	48.0	6 ga	60 Amps

UL Listing: Not listed.

Power connection: A 50 amp NEMA 6-50 six foot plug is included. (No neutral is necessary). May be direct wired. Single Phase only.