

# School-Master K-12 School Kilns

One-Touch Intuitive Kiln Control • 6.7 to 10.2 Cubic Feet • Cone 6

## Features & Benefits

**Temperature Rating:** All models rated for Cone 6 (2230°F, 1220°C) except for the SM28T-3, 208V/1 phase which is rated for Cone 5 (2170°F, 1190°C).

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

**Hinge:** Spring loaded for “feather-lite” easy opening.

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

**Assembly:** 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 depending on model.

**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:** Six heavy-duty graded elements.

**Element Connections:** Proprietary all-ceramic element connection block makes changing elements easy.

**Control Panel:** All controls and components are mounted in a hinged control panel/element connection box. A layer of insulation and separation plate helps keep the controls cool. Control box can be easily removed for servicing. On/off switch and control fuse are included.



**Control:** One-Touch™ Intuitive Kiln Control easily fires the bisque and glaze programs typically used in schools. It is also easy to adjust simple parameters like cone, delay, hold, heat-up and cool-down rates.

Also four custom ramp/hold programs with 8 segments each.

**Relays:** Mercury free relays.

**Thermocouples:** Type K 8 gauge with ceramic protection tubes prevent metallic dusting in kiln and result in longer thermocouple life.

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

**Instructions:** Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list. In addition web videos show how to assemble the kiln and how to fire it. ([hotkilns.com/videos](http://hotkilns.com/videos))

**FIVE YEAR WARRANTY**



The School-Master Kiln Series was designed in conjunction with the One-Touch™ Intuitive Kiln Control specifically with busy school teachers in mind. One touch and you are ready to fire the bisque and glaze programs most often used in K-12 schools. No programming is necessary, simple adjustments are easy (like cone level, heating and cooling speed, hold time and delay time), yet sophisticated programming is also possible.

**Warranty:** Special Five-Year Limited Warranty. ([hotkilns.com/five-year-warranty](http://hotkilns.com/five-year-warranty))

**UL Listing:** c-MET-us listed to UL499 standards.



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**KILNS BUILT TO LAST**

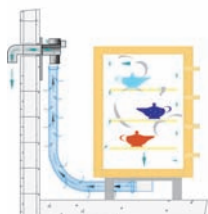
Bulletin No: SM-7-15

# School-Master K-12 School Kilns

## Options

Shelves are high alumina cone 11 shelves. See below for number, type (full or half), and dimensions. 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.

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



Furniture kit for a SM23T-3 kiln.



Furniture kit for a SM28T-3 kiln.

## Dimension & Weight Specifications

Model Number	Inside Dimensions	Cubic Feet	Brick Thick	Furniture Kit	Furn. Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Wght Kiln Only	Ship Wght Kiln + Kit
SM23T	23-3/8"D x 27"H	7.0	2-1/2"	(2) 21" full, (4) 21" half	H-E-K23T/00	32" W x 40" H x 45" D	44" W x 61" H x 44" D	325 lbs	420 lbs
SM23T-3	22-3/8"D x 27"H	6.7	3"	(2) 20" full, (4) 20" half	H-E-K23T/30	32" W x 40" H x 45" D	44" W x 61" H x 44" D	360 lbs	455 lbs
SM28T-3	28"D x 27"H	10.2	3"	(8) 25-1/2" half	H-E-K28T/00	40" W x 41" H x 50" D	48" W x 61" H x 44" D	460 lbs	565 lbs

**Minimum Space Requirements:** Differs with each model. Refer to General Dimension Diagrams of the comparable Easy-Fire kilns.

**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:** PDFs of all General Dimension drawings can be downloaded from each model page on our web site.

## Electrical Specifications

Model Number	Part Number	Volt/Phase	Watts	Max Cone	Amps	Wire Size	Fuse Size
SM23T-240	K-S-23T2/31	240/1P	11,520	6	48.0	6 ga	60 Amps
SM23T-240-3P	K-S-23T2/32	240/3P	11,520	6	27.7	8 ga	40 Amps
SM23T-208	K-S-23T2/21	208/1P	9,980	6	48.0	6 ga	60 Amps
SM23T-208-3P	K-S-23T2/22	208/3P	11,000	6	30.5	8 ga	40 Amps
SM23T-3-240	K-S-23T3/31	240/1P	11,520	6	48.0	6 ga	60 Amps
SM23T-3-240-3P	K-S-23T3/32	240/3P	11,520	6	27.7	8 ga	40 Amps
SM23T-3-208	K-S-23T3/21	208/1P	9,980	6	48.0	6 ga	60 Amps
SM23T-3-208-3P	K-S-23T3/22	208/3P	11,000	6	30.5	8 ga	40 Amps
SM28T-3-240	K-S-28T3/31	240/1P	11,520	6	48.0	6 ga	60 Amps
SM28T-3-240-3P	K-S-28T3/32	240/3P	16,620	6	40.0	6 ga	50 Amps
SM28T-3-208	K-S-28T3/21	208/1P	9,980	5	48.0	6 ga	60 Amps
SM28T-3-208-3P	K-S-28T3/22	208/3P	14,340	6	39.8	6 ga	50 Amps

**UL Listing:** c-MET-us listed to UL499 standards.

**Power connection:** A six foot cord with a 50 amp NEMA 6-50 plug for single phase units or a 15-50 plug for 3 phase units is included. (No neutral is necessary). May be direct wired.