

# School-Master

# K-12 School Kilns

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

Five  
Year  
Warranty

## FEATURES

**Temperature Rating:** All models rated for Cone 6 (2280°, 1248°C) except for the SM28T-3, 208V/1 phase which is rated for Cone 5.

**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.

**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:** Reflective coating protects brick and reduces dusting.

**Element Holders:** Hard ceramic element holders protect brick.

**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.

**Power Cord/Plug:** 50 Amp NEMA 6-50 six foot cord included for one phase; 50 Amp NEMA 15-50 six foot cord included for three phase.

**Instructions:** Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list.

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

**UL listing:** Pending.

## OPTIONS

**Furniture Kits:** See Dimension & Hearth Specifications.

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



One-Touch™ Intuitive Kiln Control

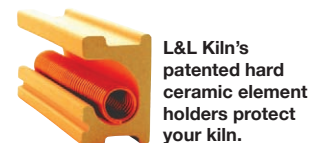


SCHOOL-MASTER K-12 SCHOOL KILNS

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. Together with features such as hard ceramic element holders, a protected thermocouple, and the most efficient spring hinge on the market (with full-access loading), the School-Master Kiln Series is the standard for the unique demands of the classroom.



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L&L Kiln's  
patented hard  
ceramic element  
holders protect  
your kiln.

SCHOOL-MASTER K-12 SCHOOL KILNS

## DIMENSION, WEIGHT & FURNITURE KIT 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.

**Furniture / Accessory Kit:** Shelves are higher 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 and 5 pounds of cone 10 kiln wash.

**General Dimension Drawings:** PDFs of all General Dimension drawings of the comparable e23T, e23T-3 and e28T-3 can be downloaded from each model page on our web site.



Furniture kit for a SM23T-3 kiln.



Furniture kit for a SM28T-3 kiln.

## ELECTRICAL SPECIFICATIONS

Model Number	Part Number	Volt/Phase	Watts	Max Cone	Amps	Wire Size	Fuse Size
SM23T-240	K-S-2322/31	240/1P	11,520	6	48.0	6 ga	60 Amps
SM23T-240-3P	K-S-2322/32	240/3P	11,520	6	27.7	8 ga	40 Amps
SM23T-208	K-S-2322/21	208/1P	9,980	6	48.0	6 ga	60 Amps
SM23T-208-3P	K-S-2322/22	208/3P	11,000	6	30.5	8 ga	40 Amps
SM23T-3-240	K-S-2323/31	240/1P	11,520	6	48.0	6 ga	60 Amps
SM23T-3-240-3P	K-S-2323/32	240/3P	11,520	6	27.7	8 ga	40 Amps
SM23T-3-208	K-S-2323/21	208/1P	9,980	6	48.0	6 ga	60 Amps
SM23T-3-208-3P	K-S-2323/22	208/3P	11,000	6	30.5	8 ga	40 Amps
SM28T-3-240	K-S-2823/31	240/1P	11,520	6	48.0	6 ga	60 Amps
SM28T-3-240-3P	K-S-2823/32	240/3P	16,620	6	40.0	6 ga	60 Amps
SM28T-3-208	K-S-2823/21	208/1P	9,980	5	48.0	6 ga	60 Amps
SM28T-3-208-3P	K-S-2823/22	208/3P	14,340	6	39.8	6 ga	60 Amps

**UL Listing:** All models are MET-us listed to UL499 standard.

**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.