

Sioux E-Series

**All-Electric
Compact Industrial
Steam Cleaners
& Pressure Washers**



Model E3.5HS3000



Consider these Benefits...

Sioux's E-Series units have the cleaning capabilities of a large machine in a compact, portable design. Under 4 feet (1.2 m) long and 3 feet (.9 m) tall, E-Series steam cleaners and pressure washers are ideal for general industrial cleaning applications. Sioux's E-Series units produce ZERO EMISSIONS, meaning, no fumes, no exhaust, and no flames, which makes them perfect for indoor/outdoor use and in spaces where air quality is a concern. All E-Series units are engineered for exceptional quality and reliability.

The E-Series carries Sioux's Twenty-Year Reliability Guarantee including parts, frames, equipment performance, technical assistance, stock parts shipments, and lifetime parts support (see Reliability Guarantee for details).

Sioux equipment lasts up to 5 times longer under continuous, demanding operation, often over 25 years, making it the best value on the market. Here's why:

Electrical System

Includes water-tight NEMA 4 enclosures, internal branch circuit fusing and components that meet NEC and UL-1776 standards. Motor starters have thermal overload protection. Switches and indicator lights are water-tight.

Heating Element

Provides instant and continuous hot water or steam. It is constructed of Incoloy® sheathed element rods, enclosed in a hydrostatically-tested housing. The screwplug design is compact, lightweight, and replaceable. No preheating or recovery time is required (no time is wasted waiting for a large storage reservoir to heat).

Water Pumps

Ceramic multi-plunger type with forged bronze heads, positive displacement, and are oil-bath lubricated with stainless steel valves.

Motors

High quality totally enclosed, fan cooled with thermal overload protection.

Digital Temperature Control System

Allows users to select the temperature for each job for optimum cleaning efficiency. This includes a digital readout display module with up and down arrow keys for easily adjusting the operating temperature.



**Model
E5.4HS2000**



Shut-off Gun

Stops hot water or steam discharge when the trigger is released. This feature increases operator safety and reduces energy and water usage. Shut-off guns are standard on all units.

Frame

Allows convenient access to internal components for fast and easy maintenance.

- Compact frame built from heavy-duty welded steel provides years of trouble-free service. Machine is mounted on heavy-duty casters for portability.
- Inlet water float tank is stainless steel to minimize rust, and includes a valve to prevent overflow and backflow.
- Components are protected within the frame.
- Dual lifting eyes provide balanced hoisting for increased user safety.
- Heavy-duty gun, hose and power cord racks provide safe and convenient storage, protect these components from damage, and eliminate a tripping hazard.
- Powder coat paint provides a durable, long-lasting finish.

Hose Reel

Provides convenient hose storage. Reel attaches to standard bracket furnished on all models (optional).

Cleaning Nozzles

Our steam cleaners include one brass round steam nozzle and one stainless steel fan steam nozzle. Combination cleaners include one brass round steam nozzle, one stainless steel fan steam nozzle, and three stainless steel wash tips.

Additional Standard Features

High temperature limit switch
Pressure relief valve
Water flow switch
50' discharge hose
Glycerin-filled pressure gauge
Detergent metering valve

Accessories

Available to Customize Your Cleaner

Walter's™ Heavy-Duty Steam Guns – Rated to 1500 PSI (103 BAR) and 450°F (232°C). Designed to withstand the most severe conditions. See *Walter's SteamGun* flyer for complete details.

Shutdown Timer - Stops unit to prevent damage to pump after a set time if left in bypass mode. Factory installed.

Hour Meter – Records operating time. Factory installed.

Hose Reel – Manual crank hose reel.

Machine Disconnect Switch – Factory installed.

Internal Circuit Breakers (in place of standard fuses) - Factory installed.

Safety

All standard E-Series All-Electric machines meet the following recognized standards for safety and performance:

- OSHA regulation 1910.399 requiring electrical equipment be third-party certified for safety by a Nationally Recognized Testing Laboratory
- Underwriters Laboratory Standard for Safety for High-Pressure Cleaning Machines, UL 1776
- Canadian Standards Association Standard for Safety for Commercial/Industrial Pressure Washers and Steam Cleaners, CAN/CSA C22.2 #68-92
- Conformité Européenne (CE) IEC60335-2-79
- National Electric Code (NEC) and Canadian Electric Code (CEC)
- Cleaning Equipment Trade Association (CETA) Performance Certified



Meets CSA, UL, NEC, CEC, OSHA

Specification Summary*

60 Hz - Steam Cleaners (208, 240, 480 and 575 Volt models are standard)

■ 320°F (160°C) Steam.

Model	Standard Electricals (Volt/Phase/Hz)	Operating Current (AMPS)	Recommended Circuit Rating (AMPS)	Flow [GPM (LPM)]		Pressure [PSI (BAR)]		Motor [HP (KW)]	Drive
				Hot Water	Steam	Hot Water	Steam		
E0.75S250	208/3/60	85	100	0.75 (2.8)		250 (17.2)		1 (0.75)	Direct
E1S250	480/3/60	49	60	1 (3.8)		250 (17.2)		1 (0.75)	Direct
E2S250	480/3/60	95	125	2 (7.6)		250 (17.2)		1 (0.75)	Direct

60 Hz - Combination Hot Water Washers / Steam Cleaners (208, 240, 480 and 575 Volt models are standard)

■ 139 - 204°F (59 - 95°C) Hot Water; 320°F (160°C) Steam. See spec sheet for details.

Model	Standard Electricals (Volt/Phase/Hz)	Operating Current (AMPS)	Recommended Circuit Rating (AMPS)	Flow [GPM (LPM)]		Pressure [PSI (BAR)]		Motor [HP (KW)]	Drive
				Hot Water	Steam	Hot Water	Steam		
E2.4HS1200	480/3/60	50	60	2.4 (9.1)	1 (3.8)	1,200 (82.7)	250 (17.2)	2 (1.49)	Direct
E2.4HS1800	480/3/60	51	60	2.4 (9.1)	1 (3.8)	1,800 (124.1)	250 (17.2)	3 (2.24)	Direct
E2.4HS3000	480/3/60	54	60	2.4 (9.1)	1 (3.8)	3,000 (206.8)	500 (34.5)	5 (3.73)	Direct
E3.5HS2000	480/3/60	100	125	3.5 (13.2)	2 (7.6)	2,000 (137.9)	500 (34.5)	5 (3.73)	Flex
E3.5HS3000	480/3/60	104	125	3.5 (13.2)	2 (7.6)	3,000 (206.8)	500 (34.5)	7.5 (5.60)	Flex
E5.4HS2000	480/3/60	104	125	5.4 (20.4)	2 (7.6)	2,000 (137.9)	500 (34.5)	7.5 (5.60)	Flex

50 Hz - Steam Cleaners (220, 380, 400, 415 and 440 Volt models are standard)

■ 320°F (160°C) Steam.

Model	Standard Electricals (Volt/Phase/Hz)	Operating Current (AMPS)	Recommended Circuit Rating (AMPS)	Flow [GPM (LPM)]		Pressure [PSI (BAR)]	Motor [HP (KW)]	Drive
				Hot Water	Steam			
E0.85S250	220/3/50	89	100	0.85 (3.2)		250 (17.2)	0.75 (0.56)	Direct
E0.8S250	380/3/50	49	60	0.8 (3.0)		250 (17.2)	0.75 (0.56)	Direct
E1.6S250	380/3/50	45	125	1.6 (6.1)		250 (17.2)	0.75 (0.56)	Direct
E1.7S250	400/3/50	100	125	1.7 (6.4)		250 (17.2)	0.75 (0.56)	Direct
E0.75S250	415/3/50	42	50	0.75 (2.8)		250 (17.2)	0.75 (0.56)	Direct
E1.5S250	415/3/50	83	100	1.5 (5.7)		250 (17.2)	0.75 (0.56)	Direct

50 Hz - Combination Hot Water Washers / Steam Cleaners (220, 380, 400, 415 and 440 Volt models are standard)

■ 143 - 206°F (62 - 97°C) Hot Water; 320°F (160°C) Steam. See spec sheet for details.

Model	Standard Electricals (Volt/Phase/Hz)	Operating Current (AMPS)	Recommended Circuit Rating (AMPS)	Flow [GPM (LPM)]		Pressure [PSI (BAR)]		Motor [HP (KW)]	Drive
				Hot Water	Steam	Hot Water	Steam		
E2HS1000	380/3/50	50	60	2 (7.6)	0.8 (3.0)	1,000 (68.9)	250 (17.2)	1.5 (1.12)	Direct
E2HS1500	380/3/50	52	60	2 (7.6)	0.8 (3.0)	1,500 (103.4)	250 (17.2)	2 (1.49)	Direct
E2HS3000	380/3/50	55	60	2 (7.6)	0.8 (3.0)	3,000 (206.8)	500 (34.5)	4 (2.98)	Direct
E3HS2000	380/3/50	101	125	3 (11.4)	1.6 (6.1)	2,000 (137.9)	500 (34.5)	4 (2.98)	Flex
E3HS3000	380/3/50	105	125	3 (11.4)	1.6 (6.1)	3,000 (206.8)	500 (34.5)	6 (4.48)	Flex
E4.5HS2000	380/3/50	105	125	4.5 (17.0)	1.6 (6.1)	2,000 (137.9)	500 (34.5)	6 (4.48)	Flex

* Steam cleaners and high pressure hot water washers are available as standard models in the following voltages: 208, 220, 240, 380, 415, 440, 480 and 575, with all other standard world-wide voltages available, and for use on 50 Hz and 60 Hz systems. Additional models and further specifications are shown on Sioux specification data sheets. Consult factory or see Sioux website. Rated discharge temperature measured prior to nozzle discharge.

Which All-Electric Series Cleaner Is Best For Your Application?

Sioux has over 30 years of experience building high-quality all-electric equipment. Sioux's EN-Series All-Electric cleaners have an extra-heavy-duty industrial design built for use in the most rugged environments. The EN-Series units can be built explosion-proof for use in hazardous locations. Typical applications for these units are in the petroleum and mining industries.

The E-Series All-Electric cleaners have similar performance as the EN-Series but have a more compact, yet industrial-strength design. Typical applications for these units are in the food & beverage and manufacturing industries.

There are many other applications that either Series can be used; this is only a general guide. For a recommendation on exactly which model is best for you, please consult a Sioux representative to discuss your needs and your application.



Performance ratings are based on 60°F (15.5°C) inlet water temperature and 70°F (21.1°C) air temperature at sea level. Performance and continuous operating current may vary +/-5%. Sioux Corporation reserves the right to make such changes as deemed advisable, or which represent improvement of performance and/or reliability. For warranty specifications and limitations see form #847. The information contained in this brochure does not constitute a warranty. Copyright 2010 Sioux Corporation. No portion of this literature may be reproduced without express written permission of Sioux Corporation.

The industry leader in application specific designs since 1939.

For information, please contact:



1150 Davis Road, Suite J, Elgin, IL 60123
P: (847) 468-8800 • (800) 788-8867 • F: (847) 468-8811
www.lorchem.com • info@lorchem.com

We Know How To Get Things **CLEAN**



SIoux CORPORATION

One Sioux Plaza • Beresford, South Dakota 57004-1500 USA
Toll-free: (888) 763-8833 • Tel: (605) 763-3333 • Fax: (605) 763-3334
email@sioux.com • www.sioux.com
Office Hours: 8:00 a.m. - 4:30 p.m. Central Time, Monday-Friday



Form #850 1/10