

Sioux E-Series

All-Electric Compact Pressure Washers & Steam Cleaners



Model E5.4HS2000



Consider these Benefits...

Sioux's E-Series units have the cleaning capabilities of a larger 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.

Sioux equipment lasts up to 5 times longer under continuous, demanding operation, often over multiple decades, making it the best value on the market.

Electrical Safety Components

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

Heating Element Requires No Preheating or Recovery Time

Provides instant and continuous hot water or steam. Sioux's patented encapsulated element is constructed of Incoloy® sheathed element rods, enclosed in a hydrostatically-tested housing. No preheating or recovery time is required (no time is wasted waiting for a large storage reservoir to heat).

Water Pump Built to Last

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

TEFC Motor for Longevity

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

Digital Temperature Control System for Optimum Cleaning Efficiency

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.

Compact Industrial Frame for Durability & Easy Maintenance

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

Shut-off Gun for Increased Operator Safety

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 units. Steam cleaners feature the Sioux manufactured Walters steam gun.



Model E2.4HS1200

Additional Standard Features

- Pressure relief valve
- High pressure rupture disc
- High temperature limit switch
- Water flow switch
- 50' discharge hose
- Glycerin-filled pressure gauge
- Detergent metering valve
- Variety of cleaning nozzles
- Hour Meter
- Shutdown timer

Safety

All standard E-Series models are third-party certified for safety and performance.

- OSHA regulation 1910.303(a) requiring electrical equipment to be third-party certified for safety by a Nationally Recognized Testing Laboratory
- Underwriters Laboratory Standard for Safety for High-Pressure Cleaning Machines, UL 1776 and for Industrial Control Panels, UL508a
- Canadian Standards Association Standard for Safety for Commercial/Industrial Pressure Washers and Steam Cleaners, CAN/CSA C22.2 #68 and for Industrial Control Equipment, CSA C22.2 #14
- National Electric Code (NEC) and Canadian Electric Code (CEC)

Specification Summary

Steam Cleaner Ratings - 60 Hz (208, 240, 480, & 600 Volt models are standard)

- 320°F (160°C) pressurized water temperature before discharge

| Model | Standard Electricals Volt/Phase/Hz | Operating Current AMPS | Circuit Rating AMPS | Steam GPM (LPM) | Steam PSI (BAR) | HP (KW) | Drive |
|----------|------------------------------------|------------------------|---------------------|-----------------|-----------------|----------|--------|
| E1.0S250 | 480/3/60 | 49 | 60 | 1.0 (3.8) | 250 (17.2) | 1 (0.75) | Direct |
| E2.0S250 | 480/3/60 | 95 | 125 | 2.0 (7.6) | 250 (17.2) | 1 (0.75) | Direct |

Combination Pressure Washer/Steam Cleaner Ratings - 60 Hz

(208, 240, 480, & 600 Volt models are standard)

| Model | Standard Electricals Volt/Phase/Hz | Operating Current AMPS | Circuit Rating AMPS | High Pressure GPM (LPM) | Steam Mode GPM (LPM) | High Pressure PSI (BAR) | Steam Mode PSI (BAR) | HP (KW) | Drive |
|------------|------------------------------------|------------------------|---------------------|-------------------------|----------------------|-------------------------|----------------------|---------|--------|
| E2.4HS1200 | 480/3/60 | 50 | 60 | 2.4 (9.1) | 1 (3.8) | 1,200 (82.7) | 250 (17.2) | 2 | Direct |
| E2.4HS3000 | 480/3/60 | 54 | 60 | 2.4 (9.1) | 1 (3.8) | 3,000 (206.8) | 500 (34.5) | 5 | Direct |
| E5.4HS2000 | 480/3/60 | 104 | 125 | 5.4 (20.4) | 2 (7.6) | 2,000 (137.9) | 500 (34.5) | 7.5 | Flex |

* Alternate lower pressures can be achieved by wash tip change.

Steam Cleaner Ratings - 50 Hz (220, 380, 400, 415, & 440 Volt models are standard)

- 320°F (160°C) pressurized water temperature before discharge

| Model | Standard Electricals Volt/Phase/Hz | Operating Current AMPS | Circuit Rating AMPS | Steam GPM (LPM) | Steam PSI (BAR) | HP (KW) | Drive |
|-----------|------------------------------------|------------------------|---------------------|-----------------|-----------------|-------------|--------|
| E0.85S250 | 220/3/50 | 89 | 100 | 0.85 (3.2) | 250 (17.2) | 0.75 (0.56) | Direct |
| E0.85S250 | 380/3/50 | 49 | 60 | 0.8 (3.0) | 250 (17.2) | 0.75 (0.56) | Direct |
| E1.6S250 | 380/3/50 | 95 | 125 | 1.6 (6.1) | 250 (17.2) | 0.75 (0.56) | Direct |

Combination Pressure Washer/Steam Cleaner Ratings - 50 Hz

(220, 380, 400, 415, & 440 Volt models are standard)

| Model | Standard Electricals Volt/Phase/Hz | Operating Current AMPS | Circuit Rating AMPS | High Pressure GPM (LPM) | Steam Mode GPM (LPM) | High Pressure PSI (BAR) | Steam Mode PSI (BAR) | HP (KW) | Drive |
|------------|------------------------------------|------------------------|---------------------|-------------------------|----------------------|-------------------------|----------------------|------------|--------|
| 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 |
| E2HS3000 | 380/3/50 | 55 | 60 | 2 (7.6) | 0.8 (3.0) | 3,000 (206.8) | 500 (34.5) | 4 (2.98) | Direct |
| 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 |

* Alternate lower pressures can be achieved by wash tip change.

Accessories- Options 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 Steam Gun Flyer for complete details.

Machine Disconnect Switch - Factory installed.

Hose Reel - Manual crank hose reel with mounting bracket & jumper hose.

Wheel kit - Wheel kit with tow handle and brakes provide increased mobility over rough and uneven terrain.

Which All-Electric Cleaner Is Best For Your Applications?

Sioux has decades 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.

EN-Series



E-Series

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%. We reserve the right to make such changes as deemed advisable, or which represent improvement of performance and/or reliability. The information contained in this brochure does not constitute a warranty.



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