

Sioux EN-Series

**All-Electric
Extra Heavy Duty
Industrial Steam Cleaners
and Pressure Washers**



Model EN4.0P3000-60XP



Model EN5.0H3000-60



When Performance, Reliability and Safety are Top Priorities...

The Sioux EN Series is the answer

Clean Air Assurance

Sioux's All-Electric steam cleaners, pressure washers and combination cleaners are ideal for indoor/outdoor use and in potentially hazardous environments. Unlike fuel-fired washers, Sioux's All-Electric line produces Zero Emissions, meaning no fumes, no exhaust and no open flames.

Electrical System Safety

Includes water-tight NEMA 4 enclosures, internal branch circuit breakers and components that meet NEC, UL and CSA standards.

Heating Element Requires No Preheating or Recovery Time

Provides instant and continuous hot water or steam. It is constructed of Incoloy® sheathed element rods, enclosed in a hydrostatically-tested housing. Sioux patented encapsulated heating element design reduces weight and is more compact than flanged designs. 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.

Motor with Thermal Overload Protection

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

Patented SCR Advanced Digital Temperature Control System for Optimum Cleaning Efficiency (Optional)

Allows users to select an exact temperature for optimum cleaning efficiency. This system maintains the discharge temperature to within 1°F regardless of incoming temperature changes. System includes a digital readout display module with up and down arrow keys for easily adjusting the operating temperature.

Industrial Frame for Durability & Easy Maintenance

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

- Rugged frame built from heavy-duty welded structural grade steel provides years of trouble-free service. Mounting options include caster, stationary or skid.
- Inlet water float tank on P and S Series models 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.

Shut-off Gun for Increased Operator Safety

Shut-off gun stops 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 pressure washers and combination units. An optional shut-off gun is available for steam cleaners.

Explosion-Proof Option for Hazardous Locations

Sioux's Explosion-Proof cleaners are rugged cleaners designed specifically for use in hazardous environments, where safety is critical. These cleaners feature explosion-proof components, and a heavy-duty sealed cast aluminum enclosure with galvanized steel conduit. All models with the explosion-proof option meet Class I, Division 1, Group C and D and Class II, Division 1, Group F and G.



Model EN4.OP3000-60XP

Additional Standard Features

- High temperature limit switch
- Pressure relief valve
- High pressure rupture disc
- Water flow switch
- 50' discharge hose
- Glycerin-filled pressure gauge
- Detergent injector or Metering valve
- Variety of cleaning nozzles
- Internal circuit breakers on units operating on 480 volt or less

Safety

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

- OSHA regulation 1910.303(a) requiring electrical equipment be third-party certified for safety by a Nationally Recognized Testing Laboratory
- UL 1776, standard for safety for high-pressure cleaning machines
- CSA C 22.2 #68, standard for safety for commercial/industrial pressure washers and steam cleaners
- National Electric Code (NEC) and Canadian Electric Code (CEC)
- Cleaning Equipment Trade Association (CETA) Performance Certified

Additional standards for explosion-proof models:

- UL 1203, standard for explosion-proof and dust-ignition-proof electrical equipment.
- CSA C22.2 #30, standard for explosion-proof enclosures in Class I hazardous locations.
- CSA C22.2 #25, standard for explosion-proof enclosures in Class II, E, F, and G hazardous locations



Meets CSA, UL, NEC, CEC, OSHA

Specification Summary*

60 Hz - Steam Cleaner Ratings (480 and 600 volt models are standard)

Model Number	Flow		Pressure		Outlet Temp		Operating Current* (Amps)	Heat Input (KW)
	GPM	LPM	PSI	BAR	°F	°C		
EN0.8S250-60	0.8	3.0	250	17.2	320	160	39	38
EN1.6S250-60	1.6	6.1	250	17.2	320	160	76	60
EN2.0S250-60	2.0	7.6	250	17.2	320	160	95	76
EN3.0S250-60	3.0	11.4	250	17.2	320	160	142	114
EN4.0S250-60	4.0	15.1	250	17.2	320	160	188	152

*Based on 480/3/60 electricals. Contact factory for other electricals.

60 Hz - Hot/Cold Pressure Washer Ratings (480 and 600 volt models are standard)

Model Number	Flow		Pressure		Outlet Temp		Operating Current* (Amps)	Heat Input (KW)
	GPM	LPM	PSI	BAR	°F	°C		
EN2.4H1200-60	2.4	9.1	1200	82.8	145	63	40	30
EN3.5H1200-60	3.5	13.2	1200	82.8	130	54	51	38
EN5.0H1200-60	5.0	18.9	1200	82.8	140	60	81	60
EN7.1H1200-60	7.1	26.9	1200	82.8	130	54	103	76
EN2.4H1800-60	2.4	9.1	1800	124.1	145	63	41	30
EN3.5H1800-60	3.5	13.2	1800	124.1	130	54	54	38
EN5.0H1800-60	5.0	18.9	1800	124.1	140	60	84	60
EN7.1H1800-60	7.1	26.9	1800	124.1	130	54	107	76
EN2.4H3000-60	2.4	9.1	3000	206.9	145	63	44	30
EN3.5H3000-60	3.5	13.2	3000	206.9	130	54	57	38
EN5.0H3000-60	5.0	18.9	3000	206.9	140	60	87	60
EN7.1H3000-60	7.1	26.9	3000	206.9	130	54	113	76
EN5.0H5000-60	5.0	18.9	5000	344.8	140	60	100	60
EN2.0P1200-60	2.0	7.6	1200	82.8	185	85	50	38
EN3.6P1200-60	3.6	13.6	1200	82.8	200	93	98	76
EN2.0P1800-60	2.0	7.6	1800	124.1	185	85	51	38
EN4.0P1800-60	4.0	15.1	1800	124.1	185	85	100	76
EN2.0P3000-60	2.0	7.6	3000	206.9	185	85	54	38
EN4.0P3000-60	4.0	15.1	3000	206.9	185	85	107	76

*Based on 480/3/60 electricals. Contact factory for other electricals.

50 Hz - Steam Cleaner Ratings (380, 400, 415, and 440 volt models are standard)

Model Number	Flow		Pressure		Outlet Temp		Operating Current* (Amps)	Heat Input (KW)
	GPM	LPM	PSI	BAR	°F	°C		
EN0.8S250-50	0.8	3.0	250	17.2	320	160	49	30
EN1.6S250-50	1.6	6.1	250	17.2	320	160	96	60
EN2.4S250-50	2.4	9.1	250	17.2	320	160	142	90
EN3.2S250-50	3.2	12.1	250	17.2	320	160	189	120
EN4.0S250-50	4.0	15.1	250	17.2	320	160	235	150

*Based on 380/3/50 electricals. Contact factory for other electricals.

50 Hz - Hot/Cold Pressure Washer Ratings (380, 400, 415, and 440 volt models are standard)

Model Number	Flow		Pressure		Outlet Temp		Operating Current* (Amps)	Heat Input (KW)
	GPM	LPM	PSI	BAR	°F	°C		
EN2.5H1200-50	2.5	9.5	1,200	82.8	140	60	50	30
EN5.0H1200-50	5.0	18.9	1,200	82.8	140	60	102	60
EN2.5H1800-50	2.5	9.5	1,800	124.1	140	60	52	30
EN5.0H1800-50	5.0	18.9	1,800	124.1	140	60	106	60
EN2.5H3000-50	2.5	9.5	3,000	206.9	140	60	55	30
EN5.0H3000-50	5.0	18.9	3,000	206.9	140	60	110	60
EN5.0H5000-50	5.0	18.9	5,000	344.8	140	60	127	60
EN2.5P1200-50	2.5	9.5	1,200	82.8	140	60	50	30
EN5.0P1200-50	5.0	18.9	1,200	82.8	140	60	102	60
EN2.5P1800-50	2.5	9.5	1,800	124.1	140	60	52	30
EN5.0P1800-50	5.0	18.9	1,800	124.1	140	60	106	60
EN2.5P3000-50	2.5	9.5	3,000	206.9	140	60	55	30
EN5.0P3000-50	5.0	18.9	3,000	206.9	140	60	110	60

Based on 380/3/50 electricals. Alternate performance for 400, 415, and 440 volt models. Contact factory for other electricals.

Explosion-proof models are available for all models listed and would be indicated using an XP at the end of the model number.

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) - Optional on units operating on voltages higher than 480 volt. Factory installed.

Steam Option – Available on any P Series hot water pressure washer to have the ability for steam, and hot or cold water pressure wash in one unit.

Emergency Stop Switch – Factory installed.

Four Point Lift with Pad Eyes on the Frame – Factory installed.

4" x 16" Wheel Kit – Portability option for any unit with semi-pneumatic tires, tow handle, and auto set brake. Factory installed.

ASME Certified Heating Element Vessel(s) – Factory installed.

Power Cable and Gland – Consult factory for proper sizing.

Cage Style Frame – Ultra-heavy duty design made of 2", 11 gauge, square tubing material including four point lift pad eyes and forklift pockets.

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

Sioux has over 40 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 2015 Sioux Corporation. No portion of this literature may be reproduced without express written permission of Sioux Corporation.

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