

# **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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### 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

