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# Model: 1856SS

**Hot water, High Pressure, Electric powered portable washer. Unit shall be capable of operating on fresh water. The unit shall be manually operated with appropriate safety controls. Must be ETL, UL, CGA or CSA listed. Must conform with UL Standard 1776 for pressure washers.**

Discharge, GPM/LPM	4.8/18.2	Amps	11
Pressure, PSI	3000(207 Bar)	Burner Fuel	Natural Gas
Electric Motor, H.P.	10.0	BTU/HR	510,000
Volts	575, 3 phase		



**Pressure Hose:** All high pressure hoses shall be ½" ID single wire braid type with a 12000 PSI burst pressure, RMA class A cover with Continuous Impression Branding and Chemigum interior hose. Fittings shall be skive mounted swedge fittings, swivel on both ends and protected by bend restrictor guards. This hose shall have a 4 to 1 safety rating with an operating pressure of 3000 PSI at 250 Deg. F. and be 50' in length.

**Trigger Gun:** Insulated pistol type shut off gun supplied shall be rated for 10 GPM at 3000 PSI and 300 Deg. F. Constructed of Zytel polymer with cast brass body, stainless steel seat and check ball. Trigger shall be equipped with operator safety lock out system and feature an easy pull trigger system for operator comfort.

**Wand:** A 48" Chrome plated wand with Zytel polymer insulated grip and side handle for operator safety and comfort. This wand shall use ¼" MNPT's on both ends, and be quick coupled to the trigger gun for both ease of usage during operation and storage.

**Nozzle:** Appropriately sized color-coded high-pressure nozzle's for single gun operation shall be supplied with ¼" quick coupler fittings for ease of changing nozzles. These nozzles shall be supplied in 0, 15 and 40 Deg. spray patterns for various cleaning needs.

**Pump Drive:** The pump drive system shall be of the belt drive type using two groove pulleys, 2 belts and shall be enclosed inside the pumping cabinet.

**High Pressure Pump:** The high-pressure pump shall be a Hotsy pump with an oil bath crankcase, with ceramic plungers, Buna-N and cloth "V" seals, forged brass head and rated for pressures of up to 3000 PSI. This pump shall feature a 7 year crankcase warranty with a life time warranty for the manifold.

**Unloader Valve:** The pressure washer shall be equipped with a pressure actuated unloader valve set to maximum machine operating pressure. This unloader valve shall operate in conjunction with the single trigger gun to give safe operation of the equipment to start and stop the water flow from the nozzle.

**Chassis:** The washer chassis shall be made from minimum 3/16" angle iron welded frame with a welded coil tank and enclosed cabinet, covering all belts, pulleys and moving parts. A polyethylene float tank shall be mounted inside this framework for added protection. All chassis surfaces shall be covered with an epoxy powder coat paint after all surfaces have been properly phos-

phatized to provide optimal adhesion properties for the paint. A storage hanger shall also be provided for the high-pressure hose, wand and trigger gun.

**Portability:** Not available.

**Controls:** All machine controls shall be low voltage and mounted on a control panel, providing equipment control by the operator at a safe and comfortable position. These controls shall include pump start/stop switch, burner start/stop switch, interlocked with the pump switch and an adjustable thermostat with a range of 32 to 240 Deg. F.

**Burner System:** This burner system shall be of the naturally aspirated burner spuds mounted in a ring configuration. The coil used with this natural draft system shall have the coil pancakes spaced precisely for maximum heat removal from the burner flames without flame impingement or draft flow restriction, thus causing coil sooting or improper heating.

**Burner Controls:** These controls shall operate the burner system through the means of a pressure switch that will not allow the burner to ignite if water pressure of 450 PSI or greater is not present in the pump and coil system. This pressure switch shall operate a standing pilot gas valve system with a 100 percent safety shutoff thermocouple system.

**Heating Coil:** The heating coil for the pressure washer shall be constructed from 165' of schedule 80 ¾" O.D. pipe. This pipe shall have a burst pressure of 17,500 PSI and shall be wound in an upright coil position. This will provide a combustion chamber and top layer pancake system adequate for the amount of BTU's needed to heat the high pressure water up to 120 Deg. F or more above inlet water temperature.

**Safety Relief Valve:** This device shall be located at the discharge port on the coil for over pressurization protection.

**Detergent Application:** This equipment shall have the capability of applying detergent at a variable ratio determined by the owner. It shall be capable of applying the detergent at high pressure through means of an adjustable off/on detergent valve. This valve will be mounted on the control panel and plumbed to the inlet of the pump, thus allowing the benefits of the coil cleaning additives of the detergent to be applied to the inside of the heating coil.

**Dimensions:** Length; 51.5" Width; 25.5" Height; 56" Net Weight; 855 lbs.