



1-800-525-1976  
www.hotsy.com

# Model: 871SS

## #(1.110-014.0)

**Type:** Hot water, high pressure, gas engine powered washer. Machine shall be capable of operating on fresh water. Machine shall be manually operated with appropriate safety controls. Must be ETL, UL, CGA or CSA certified. Must be certified by a Nationally Recognized Testing Laboratory like ETL, UL, and/or CSA to the pressure washer industry safety standard UL1776 or CSA B140.11-M89. All equipment built in an ISO-9001; 2008 registered factory.



<b>Discharge, gpm/lpm</b>	2.7/10.2	<b>Burner Fuel</b>	Diesel
<b>Pressure, psi/bar</b>	2400/165	<b>Btu/hr</b>	248, 500
<b>Gas Engine</b>	Kohler CH270 (208CC)		

### Pressure Hose:

All high pressure hoses shall be 3/8" ID single wire braid type with a 12000 PSI burst pressure, RMA class B 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 8 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 36" Chrome plated wand with Zytel polymer insulated grip and side handle for operator safety and comfort. This wand shall use 1/4" 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 1/4" 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 direct drive.

### High Pressure Pump:

The high-pressure pump shall be a Hotsy pump with an oil bath crankcase, with ceramic plungers, Buna-N and cloth "U" seals, forged brass head and rated for pressures of a minimum of 3000 PSI. This pump shall feature a 7-year crankcase warranty.

### 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.

### Chassis:

The washer chassis shall be a heavy-gauge steel tubing welded frame with a bolt on coil tank. The polyethylene fuel tanks this frame work for added protection and the fuel tanks shall have a fuel level indicator built into the fuel caps. All chassis surfaces shall be covered with epoxy powder coat paint after all surfaces have been properly phosphatized 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:

Portability shall be standard for this equipment and provided by 4, 12" pneumatic, ball bearing wheels mounted on axles. These shall be removable when needed to allow for the option of permanently mounting the equipment to a trailer or truck for added mobility.

### Controls:

All machine controls shall be mounted in a shock resistant control box, providing equipment control by the operator at a safe and comfortable position. These controls shall include a burner start/stop switch, interlocked with the engine alternator and an adjustable thermostat with a range of 32 to 240 Deg. F.

### Burner System:

The burner system shall be a 12 volt DC forced air type and capable of using home heating fuel, diesel fuel or kerosene. It shall be of the auto ignition type using a built in high voltage ignition source. It shall also use an air intake system capable of adjustments for different altitudes, thus providing a safe and clean burner exhaust with different amounts of air. An igniter control system shall be included to promote low amperage draw on the 12 volt charging system.

### 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 fuel solenoid only, allowing for the constant movement of combustion air and immediate availability of pressurized fuel for proper ignition when the fuel solenoid opens.

### Heating Coil:

The heating coil for the pressure washer shall be constructed from 66' of schedule 80 pipe. Sheathed in a full-length, sheet metal wrap. This pipe shall have a burst pressure of 17,500 PSI. It shall be wound in an upright coil position, thus providing 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 and safety of the operator.

### Detergent Application:

This equipment shall have the capability of applying detergent at a variable ratio determined by the operator. It shall be capable of applying the detergent at high pressure through means of an adjustable detergent valve mounted on the inlet of the water system, thus allowing the benefits of the coil cleaning additives of the detergent to be applied to the inside of the heating coil.

### Dimensions:

Length; 43"  
Width; 27"  
Height; 39"  
Shipping Weight; 400 lbs.

