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# Model: 770SS

**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.**



<b>Discharge, GPM/LPM</b>	2.8/10.6	<b>Amps</b>	20
<b>Pressure, PSI</b>	1500(103.5 Bar)	<b>Burner Fuel</b>	Diesel
<b>Electric Motor, H.P.</b>	2.8	<b>BTU/HR</b>	289,900
<b>Volts</b>	230 volt 1 Phase		

**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 6 GPM at 2000 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:** An appropriately sized high pressure nozzle for single gun operation shall be supplied with the ability to vary spray pattern from 0 to 80 Deg. By means of turning insulated outside grip thereby eliminating the need for multiple nozzles.

**Pump Drive:** The pump drive system shall be of the direct drive type eliminating the need for belts, pulleys and guards.

**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 1750 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 of the single sheet metal style, providing adequate protection for the burner system and polyethylene fuel tank and float tank. All chassis surfaces shall be covered with an epoxy powder coat paint after all surfaces have been properly phosphatized to provide optimal adhesion properties for the paint. A storage space shall also be provided for the high-pressure hose, wand, trigger gun and an optional hose reel.

**Portability:** Portability shall be standard for this equipment and provided by 4, 10" semi-pneumatic, ball bearing wheels mounted on 2

axles, providing machine stability and portability. These shall be removable when needed to allow for the option of permanently mounting the equipment in an interior building environment.

**Controls:** All machine controls shall be mounted in shock resistant control box, 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. Power to the equipment shall be provided through a 37' power cord and shall include a UL approved GFCI to provide operator safety.

**Burner System:** The burner system shall be of the 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. The burner motor shall have a manual thermal overload protecting the burner system from over amperage.

**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 99' of 1/2" schedule 80 pipe. This pipe shall have a burst pressure of 17,500 PSI and shall be wound in an upright coil position 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 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 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; 44" Width; 36" Height; 41" Shipping Weight; 362 lbs.