



1-800-525-1976
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Model: 1420SS

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	3.9/14.8	Amps	14
Pressure, PSI	3000(207 Bar)	Burner Fuel	Diesel
Electric Motor, H.P.	7.5	BTU/HR	342,900
Volts	460, 3 phase		



Pressure Hose: All high-pressure hoses shall be 3/8" 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 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: Three appropriately sized high-pressure nozzles for single gun operation shall be supplied with the ability to vary spray pattern from 0, 15 and 40 Deg. Machine will be equipped with quick couplers for easy interchange of pressure nozzles.

Pump Drive: The pump drive system shall be of the belt drive type using double groove pulleys, 2 belts and shall be enclosed inside a 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 3000PSI. 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 a welded mild steel assembly with a bolt-on stainless steel coil tank and enclosed cabinet, covering all belts, pulleys and moving parts. A polyethylene fuel tank and float tank shall be mounted inside this frame work for added protection and the fuel tank shall have a fuel level indicator built into the fuel cap. 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 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" semi-pneumatic, ball bearing wheels mounted on axles, with a steerable tow handle on the front 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 low voltage, 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: 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.

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: 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.

Safety Relief Valve: A rupture disk is located at the discharge port of the coil for added protection.

Detergent Application: This equipment shall have the capability of applying detergent at a preset ratio determined by the owner. It shall be capable of applying the detergent at high pressure through means of an off/on detergent valve 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; 45" Width; 18" Height; 48" Shipping Weight; 520 lbs.