

Type: Hot water, high pressure, gas engine powered portable 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 conform to UL standard 1776 for pressure washers.

Discharge, gpm/lpm	3.5/13.3	Burner Fuel	Diesel
Pressure, psi/bar	3000/207	Btu/hr	309,900
Gas Engine, hp	11		



Pressure Hose:

Fifty-foot discharge hose shall be 3/8" I.D. single wire braid type meeting or exceeding SAE100R1 performance specifications. Shall be equipped with swedge and strain relief collars. Hose shall have a 4 to 1 safety rating, with an operating pressure of 3000 PSI (207 Bar) at 250° F (121° C).

Trigger Gun:

Insulated Pistol type safety shut off spray gun supplied shall be rated for 8 GPM (30 LPM) at 3625 PSI (250 Bar) and 300° F (149° C). Constructed of Zytel Polymer with a brass cast body, stainless steel seat and ball check.

Wand:

A 36" (91 cm) Chrome Plated wand with Zytel polymer insulated grip and side handle for safety and comfort.

Nozzles:

Appropriate identifiable high-pressure nozzles shall be supplied in 0°, 15° and 40° spray patterns. Nozzles shall be of a hardened stainless steel material with 1/4" male quick coupler fittings for ease of use.

Pump Drive:

Pump drive shall be of the direct drive type, eliminating the need for belts and pulleys.

High Pressure Pump:

High-pressure pump shall be of the Hotsy brand with ceramic plungers, oil bath crankcase, forged brass head rated for minimum pressure of 3000 PSI (207 Bar) and Buna-N and cloth V-seals. Pump shall feature 7-year crankcase warranty with a lifetime warranty for the pump manifold.

Unloader Valve:

The pressure washer shall be equipped with a pressure-trapping unloader rated for a minimum of 3000 PSI (207 Bar). Unloader shall operate in conjunction with single trigger gun to provide safe operation in starting and stopping water flow through the nozzle.

Chassis:

Pressure washer chassis shall be a heavy-gauge steel tubular welded frame with a bolt on coil tank. Polyethylene fuel tank for added protection and fuel cap with fuel level indicator built into cap. A hose, gun and wand storage holder shall also be provided. All painted material shall be painted with an epoxy powder coating.

Controls/Gauges:

Machine controls shall be mounted in a shock resistant control box, providing equipment control by the operator at a safe and comfortable position. Controls shall include a burner on/off switch, adjustable thermostat and hour meter. . All controls to be located in an enclosure to protect from moisture.

Burner System:

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 use an air intake system capable of adjustments for different altitudes, thus providing a safe and clean burner exhaust. An igniter control system shall be included to promote low amp draw on the 12 volt system.

Heating Coil:

Schedule 80 A63 cold-formed pipe with a material thickness of 0.147 (3.73 mm). Pipe O.D. 0.840 (21.3 mm). Overall pipe length of 95 Ft (28.9 m). Welding to be performed to ASME standards. Heating coil skin to be Aluminized steel for corrosion resistance. Heating coil to be insulated with fiberfrax ceramic blanket.

Rupture Disk:

A rupture disk is located at the discharge port of the coil for over pressurization protection.

Detergent Application:

Machine shall have the capability of applying detergent at a preset ratio determined by the owner. Detergents shall be introduced on the inlet side of the high pressure pump, allowing detergents to be applied at high pressure, and allowing the benefits of coil cleaning additives to be applied to the inside of the heating coil.

Portability:

Portability shall be standard for this machine, and provided by four 12" pneumatic tires with ball bearing hubs. Tires shall be removable to allow for permanent mounting of machine to trailer or truck for added mobility.

Dimensions:

Length: 47", Width: 27", Height: 50"
Shipping wt: 495 lbs



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