VS2-6P Portable Pump Specification

Pump Performance and Rating:

Typical pump performance from 4 foot draft under standard NFPA conditions shall be 40 GPM @ 100 PSI, 63 GPM @ 75 PSI, 90 GPM @ 40 PSI, and 101 GPM @ 20 PSI – NO EXCEPTIONS.

The pump shall provide a maximum pressure of 120 PSI and a maximum flow of 105 GPM. It shall be capable of operating to a maximum pressure of 190 PSI and be capable of passing a hydrostatic test of 120 PSI – NO EXCEPTIONS.

Pump Suction/Discharge Ports:

The pump intake shall be a 2" male NPT pipe thread and be an integral part of the pump intake flange.

The pump shall have a manifold discharge consisting of two 1 inch male NPT ports each located on opposite sides of the manifold and a 1.5 inch male NPT port located above and parallel to the pump intake port.

The pump intake and discharge shall be in locations where applicable hose thread adapters can be installed without interference. All discharge ports shall be covered and protected through a means of hard anodized aluminum replaceable caps. All caps shall be connected by means of a lanyard to prevent them from being lost or misplaced when removed.

Pump:

The pump shall be a direct mount 2-stage self-priming centrifugal pump with the pump body, diffusers, discharge manifold, and intake flange made of a high quality corrosive resistant aluminum. The impeller and wear rings shall be made of a reinforced non-corrosive glass fiber nylon composite material to prevent galvanic corrosion from taking place between pump components – NO EXCEPTIONS. The impellers shall be 6.28 inches in diameter with anti-rotation flats as an integral part of the impeller hub.

The pump shaft shall be a hexagonal engine drive shaft extension through which the mechanical rotary seal mounts preventing the pump media from coming in contact with and/or corroding the engine drive shaft.

In addition, the pump seal shall be a maintenance free mechanical rotary seal, shall be externally pressurized, and shall incorporate a blister-resistant carbon seal face with a ceramic seat. – NO EXCEPTIONS.

A 2" BSP priming port shall be located on the top side of the pump discharge manifold and be sealed through a means of a durable replaceable cap.

The pump body, discharge manifold, and pump intake flange shall be finished with an extremely durable red powder coat.

Engine:

The engine shall be a manual (recoil) start 4-stroke Honda horizontal drive GX200 series OHV air cooled gasoline engine. The engine net horsepower shall be 5.5 HP at 3,600 RPM with a net torque of 9.1 lb-ft at 2,500 rpm. The engine shall have a 2.68 bore, 2.13 inches of stroke, and a displacement of 11.96 cubic inches. The engine shall meet current EPA and CARB emission standards.

Muffler:

The muffler shall be a canister type with an approved forestry spark arrestor.

Fuel Tank:

The unit shall have a fuel tank with a manual shut off valve that is an integral part of the pump/engine unit and meet current EPA evaporative emission standards. The integral fuel tank shall have a 3.3 quart fuel capacity

Priming:

The pump shall be a self-priming pump capable of being filled with water through means of a 2" male BSP port located on top of the pump discharge manifold. The unit shall be capable of pulling a prime from a minimum of 11.5 feet of lift.

Mounting Base:

The pump/engine unit shall be provided with a foot support mounted to the bottom of the pump casing along with two anti-slip, anti-vibration heavy duty rubber feet toward the rear of the unit.

Controls:

The pump shall have the capability of being supplied with the Honda GX200 standard engine controls. The engine controls consist of an engine choke lever, engine throttle lever, fuel valve lever, and On/Off Switch.