

MINI-STRIKER Pump Specification

Pump Performance and Rating:

The pump/engine shall provide the following pump performance from 5 foot draft under standard NFPA conditions: 52 GPM @ 25 PSI, 32 GPM @ 50 PSI, and 8 GPM @ 75 PSI.

The pump shall provide a maximum pressure of 85 PSI and a maximum flow of 68 GPM. It shall be capable of operating to a maximum pressure of 200 PSI and be capable of passing a hydrostatic test of 250 PSI for 10 minutes – NO EXCEPTIONS.

Pump Suction/Discharge Ports:

The pump intake shall be a 1-1/2" Male NPSH hose thread and be an integral part of the pump intake cover. The pump discharge shall be a 1-1/2" Male NPSH hose thread and shall be an integral part of the pump body. The pump intake and discharge shall be in locations where applicable hose thread adapters can be installed without interference.

Pump:

The pump shall be a single stage, direct drive centrifugal pump with the pump body, diffuser, and impeller made of an anodized corrosive resistance aluminum. The pump must contain a diffuser to increase the efficiency of the pump – NO EXCEPTIONS. The impeller must be aluminum to match the pump body and diffuser in order to prevent galvanic corrosion from taking place between pump components – NO EXCEPTIONS. The impellers shall be 3.67 inches in diameter.

The pump shaft shall be stainless steel and directly mounted on the engine's PTO shaft. The stainless steel pump shaft shall be configured in such a matter as to prevent the engine PTO shaft from coming in contact with the pump media. The pump seal shall be a heat resistant, maintenance free, mechanical rotary seal - NO EXCEPTIONS.

The pump shall be painted red.

Engine:

The engine shall be a 4-stroke Honda horizontal drive GXH50 series single cylinder, OHV, air cooled gasoline engine. The engine rated net power shall be 2.1 HP at 7000 RPM with a net torque of 2.0 lb-ft at 4500 rpm. The engine shall have a 1.65 bore, 1.42 inches of stroke, and a displacement of 3.01 cubic inches. The engine shall meet current EPA and CARB emission standards. It shall be provided with a recoil start.

Muffler:

The muffler shall be provided with a US Forestry Service approved 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 .81 quart fuel capacity.

MSTR-V

Mounting Base:

The unit shall have four industrial isolators mounted directly to the engine base with M6 x 1.0 female thread for mounting to an apparatus, stand, or plate.

MSTR-P

Mounting Base:

Black flat polyethylene base with four rubber pads. Unit also provided with a single black composite carry handle mounted on the top for transporting.