HPX100-B18 Portable Pump

SPECIAL NOTE:
When preparing the specifications for your new pumper, assure the use of a Hale pump by incorporating these pump specifications as written. No competitive pump can match Hale's construction or performance.

Performance
The pump/engine shall perform to the standards of ISO 9 and NFPA 1906 medium pressure rating @ 30 GPM. Typical pump performance from 5 foot draft at sea level shall be: 15 GPM @ 280 PSI, 100 GPM @ 150 PSI, and 150 GPM @ 50 PSI.

Pump
The pump body shall be made of alloy aluminum castings coupled together with a stainless steel band clamp with an O-ring seal which allows quick pump volute removal for servicing. The pump end shall be factory hydrostatically tested to 400 PSI for 10 minutes. The impeller shall be bronze. The renewable clearance rings shall be made of anodic plated bronze to inhibit galvanic corrosion. The impeller shall be 4.875 inches in diameter and designed with a sleeve back end to prevent water from coming in contact with the engine shaft. To obtain the required pressures, a built-in oil bath lubricated gearbox shall be provided between the pump end and engine. The gearbox shall be coupled together with a stainless steel band clamp. The pump shaft seal shall be an automatically adjusting, maintenance free, mechanical type. The pump body shall be equipped with a petcock drain valve.

Priming
The pump shall be equipped with an exhaust venture primer of brass and stainless steel construction. The primer shall be capable of 20 inches of mercury vacuum. The primer shall be actuated with a spring return, single control lever located at the operator's panel. The primer to pump line shall be equipped with an automatic check valve for priming form an open body of water and a manual shut-off for pumping from a pressurized water source.

Suction/Discharge
The suction and discharge ports shall be female pipe thread, designed and located to accept applicable hose thread adapters.

Engine
The engine shall be a 4-cycle gasoline Briggs and Stratton Vanguard series 350400 V-Twin, overhead valve, air cooled design. Engine rating shall be 18 BHP at 4000 rpm with a torque of 30 lb-ft at 2600 rpm. Engine displacement shall be 570cc and shall be designed to meet 1994 CARB (California Air Resources Board) standards. A 12-volt electric system shall be provided with electric starter and a 16 amp alternator. Recoil backup engine starting shall be provided. Engine shall be equipped with a residential muffler with USDA approved spark arrestor.

Mounting Platform
The pump/engine shall be isolation mounted onto a steel base plate.

Instrumentation
The pump shall be supplied with a remote mounted control panel. This panel shall include a throttle lever, primer lever, master switch, starter button, choke control, a 2.5 inch liquid filled discharge gauge and an oil pressure warning light.

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