HPX100-BD26 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 high pressure 50 GPM rating and medium pressure rating of 120 GPM. Typical pump performance from 5 foot draft at sea level shall be: 20 GPM @ 325 PSI, 130 GPM @ 150 PSI, and 170 GPM @ 25 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. The impeller is directly threaded onto the engine crankshaft. 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 Pump
1. The priming pump shall be a positive displacement, oil-less rotary vane electric motor driven pump conforming to the requirements of NFPA 1901. The pump body shall be manufactured of heat treated anodized aluminum for wear and corrosion resistance.
2. The pump shall be capable of producing a minimum 24 Hg vacuum at 2000 feet above sea level.
3. The electric motor shall be a 12 VDC (or 24 VDC) totally enclosed unit.
4. The priming pump shall not require lubrication.
5. The priming pump shall be operated by a single push-pull control valve mounted on the pump operator panel. The control valve shall be of all bronze construction

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 diesel Briggs and Stratton Vanguard series DM950D radiator liquid cooled design. Engine rating shall be 26 BHP at 3600 rpm. A 12-volt electric system shall be provided with electric starter and alternator. Engine shall be equipped with a USDA approved spark arrestor.

Mounting Platform
The pump/engine shall be isolation mounted on engine mounting legs

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, a 2.5 inch liquid filled discharge gauge and an oil pressure warning light.

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