HP550 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 8 & 9 and NFPA 1906 low pressure pump rating and CEN 10/10. Typical pump performance from 10 foot draft at sea level shall be: 490 GPM @ 100 PSI, 350 GPM @ 150 PSI, and 50 GPM @ 225 PSI.

Pump
The pump body shall be a single stage centrifugal pump which is directly mounted to the engine. The pump body and impeller shall be made of aluminum alloy with the impeller hard anodized. The pump shaft shall be manufactured in stainless steel. 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. The primer shall be capable of priming the pump to a depth of 25 feet in 24 seconds through 30 feet of 4" suction hose. 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.

Suction/Discharge
The suction and discharge ports shall be NH hose thread connections, 4" suction and 2-1/2" discharge. The discharge shall be equipped with a screw down valve. This valve shall also be equipped with an automatic check valve for priming and a pull out knob to relieve discharge hose pressure.

Engine
The engine shall be a 4 cycle gasoline Honda three cylinder, overhead valve, liquid cooled design. Engine rating shall be 50 BHP. Engine displacement shall be designed to meet 1994 CARB (California Air Resources Board) standards. A 12-volt electric system shall be provided with electric starter and an alternator. Engine shall be equipped with a residential muffler.

Engine Cooling System
The engine shall be equipped with a closed circuit cooling system utilizing a heat exchanger of sufficient capacity to maintain correct engine operating temperature even when operating in high ambient temperatures. The system shall be closed circuit, anti-freeze can be used to prevent freezing in cold climates.

Starting from cold and with maximum priming conditions the cooling system capacity shall allow at least six priming attempts without the engine overheating. The pump shall be fitted with a Thermal Relief Valve which discharges water automatically if water is not moving through the pump and exceeds 108 degrees F. This device shall automatically close when cool water is introduced into the pump volute.

Carrying Frame
The pump/engine shall be mounted in a stainless steel tubular wraparound frame with four (4) swing out lifting handles. A built in 6 gallon fuel tank and battery system shall be supplied.

Instrumentation
The pump shall be supplied with a control and gauge for easy viewing. This includes 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.

Hale Products Inc. A Unit of IDEX Corporation, 700 Spring Mill Ave., Conshohocken, PA 19428
Phone: 610-825-6300, Fax: 610-825-6440, www.haleproducts.com
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