



Premium Series Portable Pumps HP100-B18

Features and Benefits

Pressure capabilities of 290 PSI

*Fully Enclosed Portable —
Extremely quiet and safe*

*Integral Fuel Tank — Rapid
deployment with fewer
personnel*

*Rotating Discharge Valve —
Quick and easy hose layout*

*Full Instrumentation —
Includes prime from panel
design*

*Superior Performance —
High pump efficiency*

*Briggs & Stratton Vanguard
Engine — Quiet and powerful*

Higher pressures and light weight make the HP100 Premium pump ideal for both portable and truck mount applications.

The Premium version is compact and lightweight. Premium units feature a sturdy enclosure for safe and quiet operation. Hidden beneath the attractive exterior is a steel, protective frame. The pump is equipped with four handles to provide for two man portability. When not in use, the handles fold away for convenient storage. The HP100 Premium series comes complete with a 12 Volt electric start and



PERFORMANCE RATINGS

155 GPM @ 50 PSI
100 GPM @ 150 PSI

65 GPM @ 200 PSI
15 GPM @ 275 PSI

integral battery. The unique fuel tank is part of the pump base. The fuel tank provides 3 gallons (12 liters) of fuel and will permit the pump to run for two hours under normal operating conditions.

Power is provided by the respected Briggs and Stratton Vanguard engine. The Vanguard power comes from a reliable state-of-the-art, air cooled, 18 BHP, V-twin, Overhead Valve (OHV) engine. The overhead valve design delivers more power than conventionally designed side-valve engines. It has an electric start with recoil backup to ensure starting under all conditions. The HP100 features a 2-inch NPT

female suction and a 1-1/2 inch NST male swivel valve. All these exciting features come in a convenient compact design.

The HP Series Premium pump also features HALE's exclusive band clamp design for quick and easy access for maintenance and repair. A bronze impeller and replaceable bronze wear rings are housed in a high strength, lightweight aluminum alloy pump housing. The unit also features a self-adjusting, self-lubricating mechanical pump seal.

Every detail and feature of the HP100 series pumps has been carefully designed and built for years of operation

Equipment Specifications
PUMP

Type: Portable attack.
Frame: Integral welded steel tubing.
Suction Connection: 2 inch NPTF
Discharge Connection: Aluminum, 1-1/2 inch male NST screw type valve. Swivels 175 degrees for ease of hose layout and discharge control.
NOTE: Suction and discharge connection thread sizes for standard unit. Consult Hale Sales Representative for a full range of factory installed adapters, including Instantaneous and Storz, to meet individual user needs.
Body and Volute: Aluminum.
Impeller: 4-7/8 inches (123.83 mm) Silicon Bronze.
Pump Shaft: Stainless steel.
Bearing: Ball.
Priming: Exhaust Venturi; 20 inches (508 mm) HG.
Maximum Flow: 150 GPM (568 LPM) @ 50 PSI (3.2 BAR).
Maximum Pressure: 290 PSI (20 BAR).
Weight: 165 pounds (75 KG).
Length: Handles Extended: 35-1/8 inches (892 mm).
 Handles Folded: 25-3/8 inches (645 mm).
Width: Handles Extended: 27-1/2 inches (698.5 mm).
 Handles Folded: 19-5/8 inches (498.5 mm).
Height: 22-5/8 inches (574.5 mm)
Part Number: 545-4050-70-0.

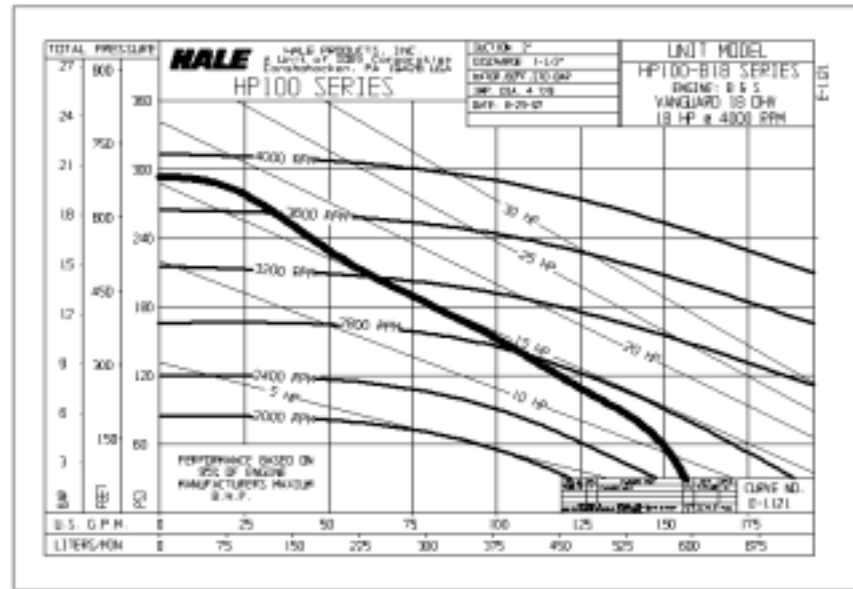
AVAILABLE OPTIONS

Suction Adapters
 Discharge Adapters
 Lightmast & Socket
 Hourmeter
 TRV-120-P Thermal Relief Valve for portable pumps
 Protective pump coating for seawater applications

ENGINE (Battery Included)

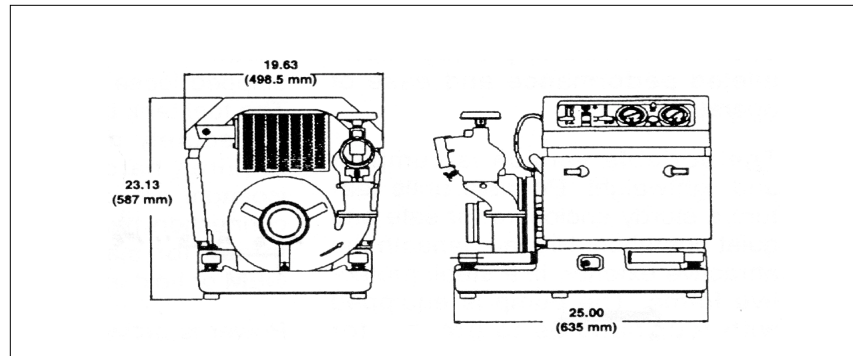
Make: Briggs and Stratton Vanguard™.
Model: 350400 Series.
Type: Horizontal shaft, air cooled, V-twin OHV.

Horsepower: 18 BHP (13.4. kW) at 4000 RPM.
Torque: 30 foot pound (40.7 N-M). Maximum stroke at 2600 RPM.
Bore x Stroke: 2.83 x 2-3/4 inches (72 x 77 mm).
Displacement: 34-3/4 cubic inches (570 cc).
Oil Capacity: 3.0 pint (1.4 liter).
Fuel Tank: Cross linked Polyethylene.
Fuel Capacity: 3 gallons (12 liters) 2 hours running time.
Electrical: 16 AMP alternator.
Emissions: Meets 1994 California Air Resources Board Standards.



INSTRUMENTATION

Throttle level
 Priming lever
 Master On/Off Switch
 Start Push-Button
 Choke Control
 Low Oil Pressure Warning Light
Suction Gauge: 2-1/2 inches (63.5 mm) Dia. Glycerine filled, 30 inches HG. Vac to 150 PSI (-1 to 10 BAR)
Discharge Gauge: 2-1/2 inches (63.5 mm) Dia. Glycerine filled, 0 to 400 PSI (0 to 28 BAR)



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