



Premium Series Portable Pumps HP75-B18

Features and Benefits

Pressure capabilities of 340 PSI (over 25% more than previous models)

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



PERFORMANCE RATINGS

135 GPM @ 10 psi

110 GPM @ 150 psi

90 GPM @ 200 psi

10 GPM @ 350 psi

The HP75 Premium series pump has been developed especially for the demands of **forestry fire situations**. Higher pressures and light weight make this 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 HP75 series comes complete with a 12 Volt electric start 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 HP75 series pump end features a 2-inch NPT female suction connection 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 HP75 series pumps has been carefully designed and built for years of operation

(Note: The HP75 Premium pump was formerly the HP100F Forestry pump)

**EQUIPMENT SPECIFICATIONS
PUMP**

Type: Attack pump

Frame: Integral welded steel tubing

Suction Connection: 2 inch NPT female

Discharge Connection: 1-1/2 inch NST Male screw type valve. Swivels 175 degrees for ease of hose layout.

NOTE: Suction and discharge connection thread sizes for standard unit. Consult Hale Sales Representative for a full range of factory installed adapters to meet individual user needs.

Body and Volute: Aluminum with baked powder coat finish.

Impeller: 4-7/8 inches (123.83 mm) Silicon Bronze.

Pump Shaft: Engine Shaft with Bronze Sleeve

Bearing: Ball Type

Priming: Exhaust Venturi; 20 inches (508 mm) HG.

Maximum Flow: 135 GPM (510 LPM) @ 50 PSI (3.2 BAR).

Maximum Pressure: 340 PSI (23.5 BAR).

Weight: 173 pounds (79 KG).

Length: Handles Extended:
35-1/8 inches (892 mm)
Handles Folded
25-5/8 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)

INSTRUMENTATION

Throttle level

Priming control

Master On/Off Switch

Start Push-Button

Choke Control

Low Oil Pressure Warning Light

Discharge Gauge: 2-1/2 inches (63.5 mm) Dia. Glycerine filled, 0 to 400 PSI (0 to 28 BAR).

AVAILABLE OPTIONS

- Suction Adapters
- Discharge Adapters
- TRV-120-P Thermal Relief Valve for portable pumps.
- Protective pump coating for seawater applications.
- Exhaust elbow

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).

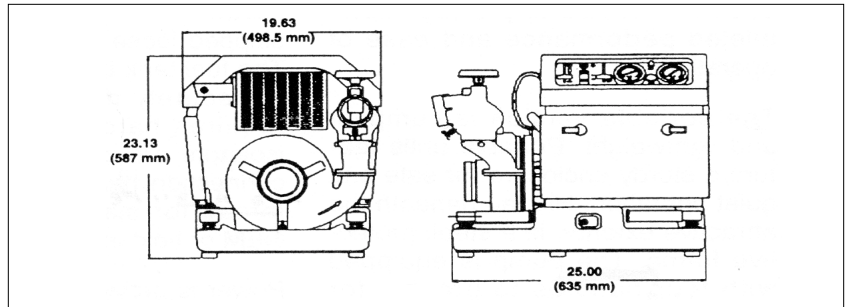
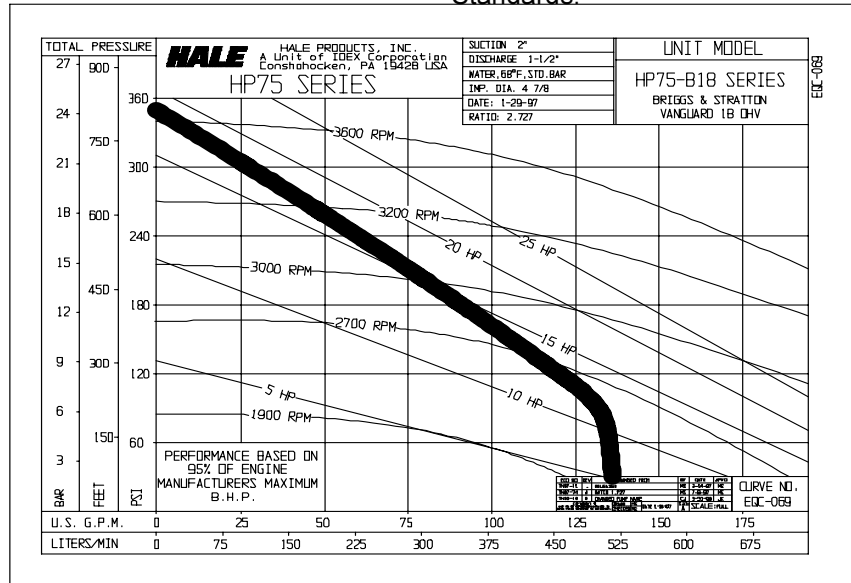
Oil Capacity: 3.0 pint (1.4 liter).

Fuel Tank: Steel

Fuel Capacity: 3 gallons (12 liters) 2 hours running time.

Electrical: 16 AMP alternator.

Emissions: Meets 1994 California Air Resources Board Standards.



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