



FEATURES AND BENEFITS

***Fully Enclosed Portable —
Extremely quiet and safe***

***Integral Fuel Tank — Rapid
deployment with fewer
personnel***

***Rotating Discharge Valves —
Quick and easy hose layout***

***Full Instrumentation —
Includes prime from panel
design***

***Superior Performance—High
pump efficiency***

***Briggs & Stratton Vanguard
Engine—Quiet and powerful***

The HP400 series Premium pump line is the newest, most exciting development in portable pumps in years. Innovative features have been engineered to provide unparalleled performance and ease of operation.

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 unique fuel tank is an integral part of the pump base. The fuel tank provides 3 gallons



PERFORMANCE RATINGS

500 GPM @ 25 PSI
320 GPM @ 50 PSI

210 GPM @ 75 PSI
95 GPM @ 100 PSI

(12 liters) of fuel and will permit the pump to run for two hours under normal operating conditions. The HP400 Premium features dual 2-1/2 inch gated discharges and 3-inch female NPT connections for maximum performance.

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. 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-lubrication mechanical pump seal.

Every detail and feature of the HP series has been carefully designed and built for years of operation.

EQUIPMENT SPECIFICATIONS PUMP

Type: Portable transfer

Frame: Integral welded steel tubing

Suction Connection: 3 inch NPT female, 4 inch Victaulic

Discharge Connection: Standard dual aluminum, 2-1/2 inch male NST.

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

Impeller: 7-1/4 inches (184.15 mm)

Silicon Bronze

Pump Shaft: Engine shaft with bronze sleeve

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

Maximum Flow: 500 GPM (1893 LPM) @ 20 PSI (1.4 BAR)

Maximum Pressure: 90 PSI (6 BAR)

Weight: 185 pounds (84 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)

AVAILABLE OPTIONS

Suction Adapters

Discharge Adapters

Lightmast and socket

Hourmeter

Trickle Charger

Protective pump coating for seawater applications

TRV-120P

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)

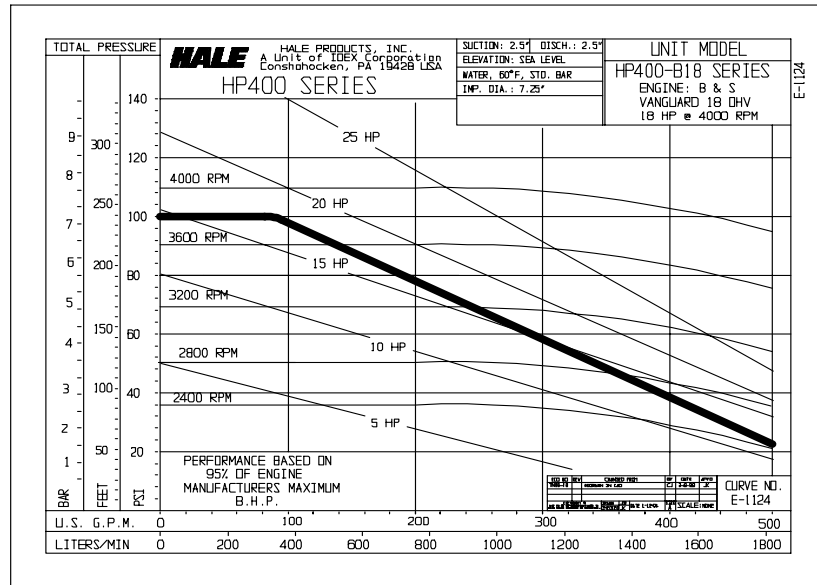
Oil Capacity: 3.0 pint (1.4 liter)

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 Switch

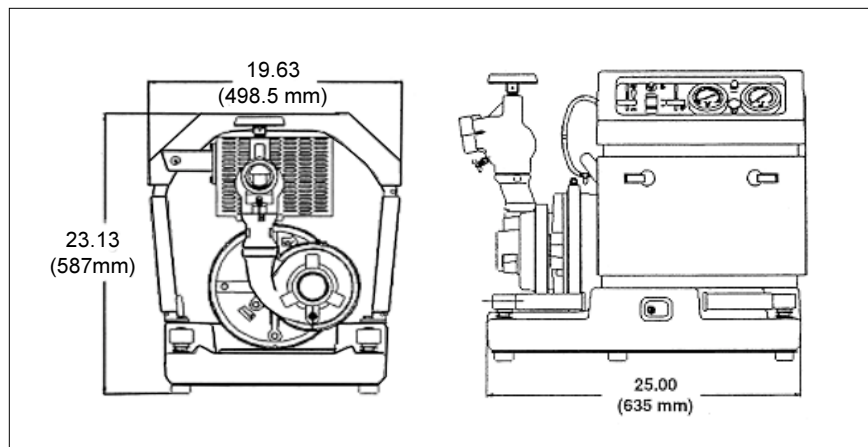
Start Push-Button

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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