



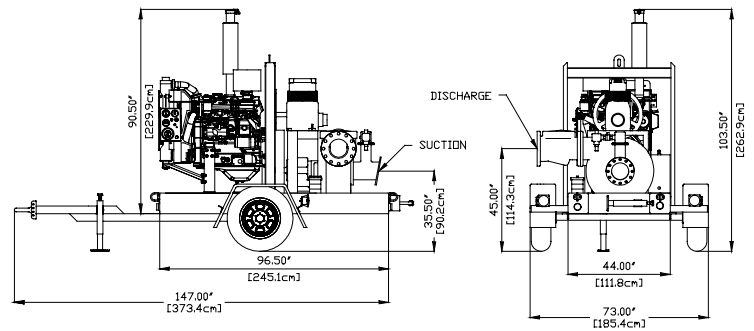
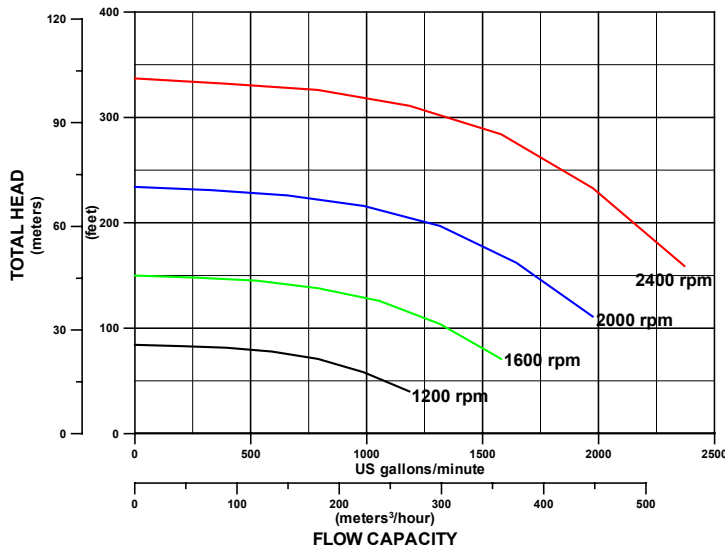
6" HIGH-PRESSURE AUTO PRIME PUMP



Designed for applications where high reliability, small size, and ease of use are of paramount importance, the Global Pump 6" High-pressure Auto Prime pump (6HAP) is ideally suited for a variety of functions such as liquid transfer, fire protection, wash down and piling installations, and other such applications that require a pump to overcome high head scenarios. The 6HAP is a completely automatic 6" self-priming pump capable of achieving maximum flows of 2359 US gallons per minute (536 m³ per hour) and 336.5 feet (102.6 m) total head, while handling solids up to 7/8" (22.2 mm) in diameter. The 6HAP pump is available with several engine options, including an electric motor option, at the request of the customer. A characteristic of the priming system is its low impact ecological design, which by using an air/fluid separator called an environmental box assures no release of contaminants during the pump's operation.

Features

- ❑ The engine mounted compressor is plumbed into both the engine's oil and coolant systems for greater reliability
- ❑ The enclosed engine control panel features preset emergency shutdown protection against low oil pressure and high coolant temperature
- ❑ The pump's mechanical seal and oil bath allow it to be run dry for prolonged periods
- ❑ Automatic priming system along with the pump's mechanical seal allow the pump to be run in situations which may cause the pump to lose its prime
- ❑ Pump casings are hydrostatically tested to 50 psi above the peak casing design pressure
- ❑ The non-return valve is intended to allow 100% flow area without restriction, resulting in minimal head loss and clog free operation. The valve also features a minimal water hammer design and high reliability by using only a single moving part
- ❑ Compact design with an integral 165 US gallon fuel tank (624.53 liters), the chassis is offered in either skid or highway legal trailer format
- ❑ Though the standard package provides an effective solution, complete customization is available to meet a client's specific needs
- ❑ Sound absorbent acoustic enclosure option is available for use in noise sensitive areas



Specifications

- ❑ **Maximum Operating Speed:** 2400 rpm
- ❑ **Maximum Operating Temperature:** 212°F (100°C)
- ❑ **Solids Handling Capability:** 7/8" (22.2 mm) diameter using standard impeller
- ❑ **Fuel Consumption:** Approximately 6.3 US gallons per hour (23.85 liters per hour) @ 1800 rpm
- ❑ **Integral Fuel Tank Capacity:** 165 US gallons (624.53 liters), providing 26.19 hours of running time
- ❑ **Flange Connections:** 6" (152.4 mm) suction
4" (101.6 mm) discharge

Materials

- ❑ **Pump Casing, Suction Cover and Impeller:** ASTM A48 Class 30 Cast Iron
- ❑ **Pump Drive Shaft:** ASTM A108 Steel
- ❑ **Mechanical Seal:** Tungsten Carbide On Tungsten Carbide
- ❑ **Chassis:** ASTM A36 Steel
- ❑ **Environmental Box:** ASTM A500 Grade B Steel
- ❑ **Non-Return Valve Body and Cover:** ASTM A126 Class B Cast Iron

Pumps: Sales, Parts & Service



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