

10k Submersible Pump Unit

Description

The highly efficient hydraulic submersible pump is driven by a market leading diesel engine to pump water at a rate of 10,000 gpm (37,854 Lpm) from a water source as far as 200 ft (61 m) distance with a vertical lift of 50 ft (15.2 m).

The pump is available as either a standalone pumping system to feed a standalone boost pump, or as a pump combination with a US Fire Pump Boost Pump. In either configuration, the water can be fed into large volume firefighting monitors such as the US Fire Pump Sentry 9® trailer mounted monitor or sent over a long distance hose relay.

The submersible unit is compact and easy to deploy. The self-contained pumping system can be built on a base skid, a hook lift skid, or a trailer for easy transportation. A large integrated fuel tank can hold enough fuel to run the pump for up to 8 hours.

Firefighting experience and commitment to reliability are incorporated into the design of the control system. All US Fire Pump submersible/boost combination units provide a user-friendly, water-resistant control panel as a primary interface. Advanced sensors, redundant control mechanisms, and emergency shut-down switches are integrated for safe and easy operation.

The standalone submersible pump is ideal if you already have a US Fire Pump draft/boost pump. Weighing only 400 lbs. (181 kg), the floating unit is equipped with ergonomically designed carry handles, which allow operators to carry the pump unit into hard-to-reach locations. The combination of our submersible pump and our boost pump provides unparalleled pumping and boosting capabilities in one transportable package. An optional wireless controlled crane is also available to aid deployment of the floating unit.



US Fire Pump provides various options and customizations, such as noise attenuating enclosures, solar charging, intake and discharging manifolds, varying transport modes, emergency and scene lighting, and on-board crane options.

Features

- Reliable, heavy-duty components
- Fast deployment
- Compact design
- Storz connections
- Scene lighting
- Powered rewind reel with 150ft hydraulic hose capacity
- Quick disconnects on hydraulic hose

Build Options

- Trailer mounted skid with hose storage and drop gate
- Hooklift enclosed skid with removable doors
- Weather resistant enclosure
- Sound attenuated enclosure
- Programmable engine controller
- Crane for sub pump deployment

24 HOUR EMERGENCY RESPONSE: (225) 209 – 6551

Post Office Box 1810, Albany, LA 70711

Email: info@usfirepump.com www.usfirepump.com

Technical Specifications

Model	Sub100 – Skid Mounted Hydraulic Submersible Pump Module ²
Base Material	Carbon Steel
Dimensions (LxWxH)⁵	335"x101"x125" (1175cm x 260cm x 325cm)
Approximate Weight	27,000 lbs (12,247 kg)
Standard Platform	Skid style template: Skid offers pick-and-place flexibility, and fits all US Fire Pump trailer layout options. ²
Pump Model	2 x H50 floating submersible
Pump Type	Centrifugal End Suction
Pump Material	Heavy Duty Cast Aluminum for max performance, long life, and extended durability. Stainless steel drive shaft. (No composite or carbon fiber components)
Drivers Available	CATERPILLAR, CUMMINS, JOHN DEERE, SCANIA, PERKINS, FPT
Fuel Cell Capacity	300 gallons. Fuel cell sized proportionately to the engine size and hourly consumption.
Fuel Type	Diesel
Submersible Pump Discharge Outlet	2 x 12" Storz Outlet Other options available
Control Panel	Simple engine control panel with LCD display for engine data and waterproof control switches for hydraulic pumps and accessories. Also available Proprietary Automation with PLC programming
Available Transportation Modes²	Hook-loader skid, gooseneck with 2 5/16 in. ball hitch (59 mm) or 2 in. King Pin (51 mm); or bumper pull trailer with 2 5/16 in. ball hitch (59 mm) or lunette eye / Pintle Hook
Maximum run time with full fuel tank	8 hours per tank of fuel
Maximum Vertical Lift	50ft (15 m) at 10,000 gpm ⁴
Nominal Flow Rate	10,000gpm ³ (37,854 Lpm)
Maximum Ambient Temperature	120° F (60° C)
Emission	EPA & CARB Tier IV, III & II (varies with model/options)
Protection System	Automatic alarm logging. Emergency kill switch. Auxiliary circuit breaker bank
Crane Max Capacity	11,684 lbs (5300 kg)
Crane Horizontal Reach	56' 9" (17.3 m)
Crane Vertical Reach	65' (19.8 m)
Max Capacity at Max Reach	1169 lbs (530 kg)

Note: Specifications are for reference only and subject to change without prior notice.

Specifications vary depending on configurations and options.

Send inquiries to US Fire Pump for details.

¹Other transportation modes include various trailers and skids.

²Some configurations may be weight limited.

³With both submersible pumps running.

⁴Pump Curves and additional information available upon request.

⁵Dimensions are subject to change depending on model and configuration

24 HOUR EMERGENCY RESPONSE: (225) 209 – 6551

Post Office Box 1810, Albany, LA 70711

Email: info@usfirepump.com www.usfirepump.com