ERADS – Emergency Response Aquatic Deployment System

Description

The highly efficient hydraulic submersible pump is driven by a diesel engine to pump water at a rate of 6,000 gpm (22,713 Lpm) from a water source.

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 Pumps and 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 300 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.

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, single person deployment
- Compact design
- Storz connections
- Scene lighting
- Powered rewind reel with 150ft hydraulic hose capacity
- Quick disconnects on hydraulic hose
- Hydraulic 10 to 30KW generator
- Air compressor

Build Options

- **Trailer mounted skid with hose storage and drop gate**
- **Hooklift enclosed skid with removable doors**
- **Weather resistant enclosure**
- **Sound attenuated enclosure**
- **Rescue extraction tools**
- **Programmable engine controller**

FOR MORE INFORMATION VISIT WWW.USFIREPUMP.COM

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Technical Specifications

Model	ERADS[2] - Emergency Response Aquatic Deployment System
Base Material	Carbon Steel
Dimensions (LxWxH)[5]	192x96x100” (488cm x 243cm x 254cm)
Approximate Weight	30,000 lbs. (13,600kg)
Standard Platform	Skid style template: Skid offers pick-and-place flexibility, and fits all US Fire Pump trailer layout options.[2]
Pump Model	(2) 3000 GPM floating submersible
Pump Type	Centrifugal End Suction
Pump Material	Standard option is epoxy coated cast Aluminum with Stainless Steel impellor
Drivers Available	CATERPILLAR, CUMMINS, JOHN DEERE, SCANIA, MTU
Fuel Cell Capacity	200 gallons. Fuel cell sized proportionately to the engine size and hourly consumption.
Fuel Type	Diesel
Submersible Pump Discharge Outlet	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
Available Transportation Modes[2]	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
Nominal Flow Rate	6000gpm[3] (22,710 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

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.

[1]Other transportation modes include various trailers and skids.
[2]Some configurations may be weight limited.
[3]With both submersible pumps running.
[4]Pump Curves and additional information available upon request.

[5]Dimensions are subject to change depending on model and configuration

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