

4K Pump Trailer

Description

The adequate supply and management of water resources are critical to the success of any firefighting emergency response effort. Whether drafting from natural water sources or feeding off a facility's positive pressure water system, relaying water over miles of hose can be challenging.

The US Fire Pump Portable Boost Pump product line is a customizable, high-performance offering with multiple pump size options. Field-proven, these workhorse pumps have demonstrated they are built to run tirelessly, sustain high pressure, and deliver the large water volumes required for the most challenging industrial firefighting scenarios and water movement needs globally. Pumps are also available in Bronze and Stainless Steel for use in moving potable water during catastrophes and natural disasters.

US Fire Pump Portable Pumps incorporate a diesel driven proprietary centrifugal pump and utilize a premium diesel driver. Rugged corrosion-resistant designs, including full stainless-steel manifolds and produce an ideal system for draft and relay pump operations with fresh water, sea water, or brackish water.

Features

Global Emissions Compliance: US Fire Pump offers global emissions compliance with Tier II, III, and IV drivers.

Reliable Proven Track Record: These pump packages have been deployed by the US Fire Pump Emergency Response Team in their extensive, global response efforts. Boost Pump configurations are a critical component of our Emergency Response and Equipment Rental services.

Ease of Use and Serviceability: These packages offer a user-friendly operations interface, as well as low maintenance requirements. Typical field maintenance issues, such as fuel, oil, and filters, are minimal. Service partners are available globally for driver or service pump needs.

Designed for Mobility: Compatible with various transportation modes, these pumps provide a great deal of power in a portable package. They offer mobility and stability for deployment into any land or marine based exercise.

Wide Range of Available Options: Meet today's most challenging water movement scenarios with a fully customizable pump package tailored to your unique specifications.



Optional Features

- 12 V electric over hydraulic front and rear jacks (trailer mounted only)
- Suction and supply hose racks
- Toolbox(s)
- Hydraulic actuation clutch kit for ease of operation
- Dry Prime® Automatic Priming System
- Sound attenuated pump enclosure
- Collapsible awning over operator area
- Configurable with bumper-pull or gooseneck-styled trailer, or hook-lift/hook-arm skid configurations
- Open or closed configurations available
- Scene lighting

Note: Contact US Fire Pump Sales Department for additional custom configurations

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Technical Specifications

Standard Boost Pump Features	
Base Material	Carbon Steel
Unit Gross Weight (with fuel) ¹	21,600 lbs. (9800 kg)
Pump Model	USFP 604-1032-03-0
Pump Type	Centrifugal End Suction
Pump Material	Standard option is Cast Iron, also available in Bronze and Stainless Steel
Drivers Available	CATERPILLAR, CUMMINS, JOHN DEERE, SCANIA, KUBOTA, PERKINS
Fuel Cell Capacity	200 gallons standard. Fuel cell sized proportionately to the engine size and hourly consumption.
Standard Suction Inlets ²	(2) 12" Storz with caps, (3) 8" inlets with caps, (4) 2.5" FMNST with caps. Other options available.
Standard Discharge Outlets ²	(1) 12" outlets with control valves, (6) 6" outlets with control valves (4) 2.5" MNST with caps. Other options available.
Control Panel	Digital control panel and automatic pressure governors are used, offering full-functional output monitoring. Remote operation control are optional.
Light Packages	12V and 24V (as required) LED lighting mounted to interior and exterior positions provides full lighting capabilities for safe operations in and around the pump skid.
Unit Dimensions (LxWxH)	286x102x131" (726x 260x332cm)

Environmental and Safety Features	
Maximum Ambient Temperature	140° F (60° C) ⁴
Protection System	Emergency Kill Switch (select models), Master Power Disconnect, Air Intake AMOT Valve (Optional)
Standard Items Included (unless otherwise specified)	All inlet manifolds also include (3) each 2 1/2 in. style ball valve auxiliary inlets and 1 in. x 3 in. blind flange for optional equipment
	All discharge manifolds also include 2 each 2 1/2 in. app style ball valve auxiliary discharge outlets and 1 in. x 3 in. blind flange for optional equipment.
	Suction Hoses
	Floating Strainers

	4000 GPM capacity
Maximum run time with full fuel tank	8 hours per tank of fuel
Flow rate with 10ft (3.05m) suction lift	150 psi (10.3 bar) Net: 4,500 gpm (17,034 Lpm)
	175psi (12 bar) Net: 4,125 gpm (15,615 Lpm)
	200psi (13.8 bar) Net: 2,250 gpm (8,515 Lpm)

- Notes:**
1. Only applies to standard units. May change with options.
 2. Customized units are available upon request.
 3. 6 ft. (1.8 m) lift.
 4. Options available for severe ambient temperatures.

Note: The converted metric values in this document are provided for dimensional reference only and do not reflect an actual measurement.

Note: US EPA Tier II, Tier III, and Tier IV Emissions Compliance available as required by region.

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