DEPENDAPOWER Transportable Pumps

Description

WILLIAMS FIRE & HAZARD CONTROL DEPENDAPOWER Transportable Pumps are based on the diesel-driven horizontal split case centrifugal pump package, and built with a world class CATERPILLAR* diesel driver and water pump. The standard 6000 model delivers exceptional performance with a 10 ft (3.05 m) lift of 6,000 gpm (22,710 Lpm) rating at 150 psi (10.3 bar) net outlet pressure at sea level. As a result, these pumping systems are ideal for drafting water from various sources, including freshwater, seawater, and even brackish water, as well as for providing pressure boost in relay operations. The pump, driver, and built-in fuel cell are integrated on a modular independent skid. The skid can be incorporated with various transportation modes, such as trailers, to provide additional mobility.

Offering standard configurations built with popular features to get you up and running fast, an extensive list of optional features, accessories, and additional pump sizes allow great latitudes for customizing a pumping solution that will meet your most challenging water management needs.

Features

Proven Track Record

WILLIAMS FIRE & HAZARD CONTROL has relied on these pump packages for decades in their extensive response efforts. These resources are a critical component of our Response and Rental fleets.

Reliability

WILLIAMS FIRE & HAZARD CONTROL and its clients have placed the CATERPILLAR diesel drive and pump tandems (featured on these pumps) into operation, running multiple pumps without shutdown over several months, while experiencing continued reliable outputs.

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.

World Class Components

Superior performance of 10 ft (3.05 m) lift at full flow rate, enables direct drafting from low level water sources where competing products fall short. Lift as high as 20 ft (6.1 m) with reduced flow and proper priming equipment.

Designed for Mobility

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

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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

Note: Optional features must be selected before fabrication.

- 12 V electric front and rear jacks with trailer mounted battery (trailer mounted only)
- Hose racks
- BELZONA* Super Metal Glide T pump coating
- Double mechanical seals, API plan 53 flush, with tank
- Air-powered dry prime type system includes twin-disc clutch and hydraulic actuation kit
- Sound attenuated pump enclosure
- Collapsible awning over operator area
- Fiberglass battery enclosure

Contact WILLIAMS FIRE & HAZARD CONTROL for additional custom configurations.

Application

The adequate supply and management of firewater resources are the backbone to any successful response effort, and are a driving force behind WILLIAMS FIRE & HAZARD CONTROL foam and dry chemical applications. Whether drafting from natural water sources, or feeding off a facility's positive pressure water system, relaying precious firewater over miles of hose can be challenging. WILLIAMS FIRE & HAZARD CONTROL DEPENDAPOWER Transportable Pumps represent a high-performance offering of three primary pump configurations that are built to run tirelessly as they deliver large volumes of water and sustain the high pressures required when facing today's largest industrial fire scenarios.

Whether providing a primary firewater source, relaying pumping options, submersible access solution, redundant backup for fixed systems, dewatering or water movement capabilities throughout a facility, the DEPENDAPOWER transportable pump is a proven workhorse that scales to the application - one that can, **and has,** handled the industry's greatest challenges.

Technical Specifications[1]

Models	6000	4000	1500
Base Skid			
Base Material	Carbon Steel	Carbon Steel	Carbon Steel
Skid Nominal Dimensions (H × W × L)[2]	98 in. × 97.5 in. × 186.5 in (2,489 mm × 2,477 mm × 4,737 mm)	95.5 in. × 94 in. × 173.5 in. (2,426 mm × 2,388 mm × 4,407 mm)	75.5 in. × 55.3 in. × 110.5 in. (1,918 mm × 1,405 mm × 2,807 mm)
Skid Gross Weight (with fuel)[2]	16,600 lb (7,530 kg)	13,700 lb (6,214 kg)	5,000 lb (2,268 kg)
Pump Model	GOULDS* 14 × 10	PATTERSON* MAA 12 × 8	DARLEY* PSE 1500 GPM
Pump Type	Horizontal Split-Case	Horizontal Split-Case	Overhung Axial Split
Driver	CATERPILLAR C 18 C-rated duty, 700 HP; optional CATERPILLAR C 18 E-rated duty, 800 HP	CATERPILLAR C 15, 540 HP	CUMMINS* QSB6.7, 240 HP
Fuel Cell Capacity	420 gal (1590 L)	387 gal (1465 L)	93 gal (352 L)
Standard Suction Inlets[3]	6 × 6 in. (M)NST, 2 × 2.5 in. (F)NST, with caps; other options available	4 × 6 in. (M)NST, 2 × 2.5 in. (F)NST with caps; other options available	2 × 6 in. Storz, 2 × 2.5 in. (M)NST with caps
Standard Discharge Outlets[3]	6 × 6 in. Storz, 2 × 2.5 in. (M)NST with caps; other options available	4 × 6 in. Storz, 2 × 2.5 in. (M)NST with caps; other options available	2 × 6 in. Storz, 2 × 2.5 in. (M)NST with caps
Optional Transportation Mode	Hook-loader skid, gooseneck with 2 × 5/16 in. ball hitch or 2 in. King Pin; or bumper pull trailer with 2 × 5/16 in. ball hitch or 3 in. lunette eye	Hook-loader skid, gooseneck with 2 × 5/16 in. ball hitch or 2 in. King Pin; or bumper pull trailer with 2 × 5/16 in. ball hitch or 3 in. lunette eye	Hook-loader skid, gooseneck with 2 × 5/16 in. ball hitch or 2 in. King Pin; or bumper pull trailer with 2 × 5/16 in. ball hitch or 3 in. lunette eye
Performance			
Maximum Run Time with Full Tank	11 hours per tank of fuel	10 hours per tank of fuel	6 hours per tank of fuel
Flow Rate with 10 ft (3 m) Lift	150 psi (10.3 bar) net: 6,000 gpm (22,700 Lpm)	150 psi (10.3 bar) net: 4,000 gpm (15,100 Lpm)	150 psi (10.3 bar) net: 1,500 gpm (5,670 Lpm)
	175 psi (12.1 bar) net: 5,000 gpm (18,900 Lpm)	175 psi (12.1 bar) net: 3,000 gpm (11,300 Lpm)	
	200 psi (13.8 bar) net: 4,000 gpm (15,100 Lpm)		
Environmental and Safety			
Maximum Ambient Temperature	120 °F (49 °C)[4]	120 °F (49 °C)[4]	120 °F (49 °C)[4]
Protection System	Emergency kill switch: Auxiliary circuit breaker bank	Emergency kill switch: Auxiliary circuit breaker bank	Emergency kill switch: Auxiliary circuit breaker bank

Notes:
1. Technical specifications are subject to change without notice.
2. Only appears to standard units. May change with options.
3. Customized units are available upon request.
4. Options available for severe ambient temperatures.
5. CE Compliant 6000 pump skid is also available.
6. Send inquiries to WILLIAMS FIRE & HAZARD CONTROL.

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