

2,400-hp Twin Fluid Pumping Unit



The Enerflow™ twin-engine fluid pump with 2,400 combined hp is designed to meet the growing demands of today's fluid pumping market. From coiled tubing support to standalone well servicing requirements including pump down, clean outs, reverse circulation, fluid swab-outs, well kill operations, pressure control, pressure testing, and reservoir stimulation, this twin fluid pump will exceed expectations.

The unit utilizes our ECAMS™ control system, permitting the operator to select the desired pump rate, and the control system selects the optimal transmission gear and engine throttle to achieve the set point. The unit can also be remotely controlled from a secondary control panel mounted in a support trailer via a 200-ft umbilical cord.

Real-time data for informed decisions

GoConnect™ uses artificial intelligence and machine learning to provide data-driven insights into the condition, health, and performance of customers' equipment and operations, allowing you to reduce downtime-related costs and improve the operational efficiency of completion services.

Max™ MT is next-generation maintenance software that integrates with our Industrial Internet of Things (IIoT) data platform to allow customers to better understand their equipment and more effectively use preventive, predictive, and condition-based maintenance (CBM) practices we develop through data collection and analysis.

Specifications

Length.....	53 ft (13.13 m)
Width.....	10.5 ft (3.2 m)
Height.....	13.5 ft (4.12 m)
Total weight.....	112,000 lb (50,910 kg)
Kingpin weight.....	42,300 lb (19,225 kg)
Trailer axle weight.....	69,635 lb (31,650 kg)





Power system

- Two 1,200-hp CAT C-32 Tier 2 diesel engines
- Two TH48-E70 CAT transmissions
- Two 1,350-hp rated auxiliary transmissions with 1:1 and 2.21:1 reduction gear ratio
- Dual V-style radiator, four independent radiator fans
- Four independent fuel tanks with a 434-gal total fuel capacity

Tanks

- Dual 11-bbl compartment, stainless steel 22-bbl fluid handling system
- Two independently controlled agitators, optional fluid level measurement

Pumps and liquid additive systems (LAS)

- Two rear-mounted MSI 1,300-hp quintuplex pumps, 3-in. plungers
- 15,000-lb maximum discharge pressure @ 10 bbl/min; low pump rates of less than 0.5 bbl/min
- Two MISSION™ 5-in. x 4-in. centrifugal pumps
- Four chemical liquid additive pumps

Trailer

- 16-wheel quad-axle, custom-designed wide-flanged trailer-side beams provide structural support during transport and for maximum loading during pumping operation
- Support and bracing technique used for tanks, engines, transmissions, gear boxes, and high-pressure pumps; work platform designed to minimize vibration

Features and benefits

- Industry-leading compact, seven-gear CAT transmission, leading rate overlap, and lockup conditions
- 1,350-hp rated, two-speed auxiliary transmissions with remote oil level sight gauge and positive shift sensors
- Strategically located fuel tanks, allowing easy access with oversized equalization lines
- High-quality pneumatic system featuring twin independent screw compressors
- Full magnetic filtration package on all hydraulic circuits and pump lube circuit
- Easy view tanks, level probes, and HMI volume display with overflow protection
- V-style radiator with man-door access, four independent, soft-start, variable-speed fans, compartmentalized internal plumbing, and quick-change cores
- Easy-to-access air filters, convenient outside-facing service and maintenance ports
- Work safe driveline guarding with easy-to-access grease doors
- Optimum trailer height allowing easy, ground-level quintuplex pump valve access
- Full redundancy and cross-over design for fluid processing; ambidextrous suction capability
- Optimized PLC systems with fully integrated user-friendly HMI touch screen control navigation with rugged controls
- Fully integrated remote box with 200-ft cable for control trailer command and hot zone safety
- Automatic, stand alone speed index plunger lube control minimizes grease consumption
- Pressurized lubrication filtration and cooling
- Superior fit, finish, and paint quality, customized per customer request