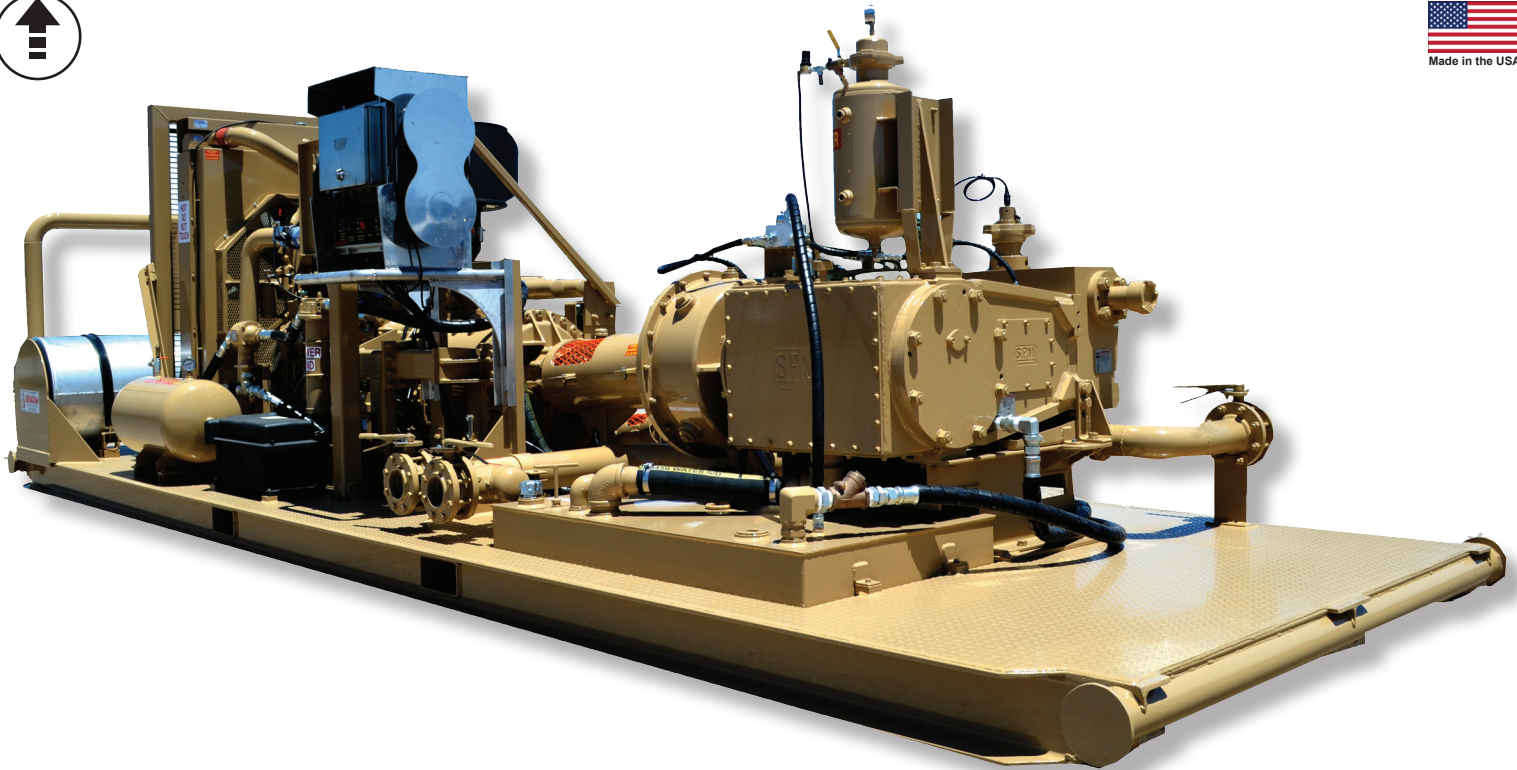




600 HP Well Service Pump



The unit is a 630 horsepower triplex skid mounted pumping unit that is equipped to operate at the work site independent of other equipment. The unit is fabricated on three 10" x 35 lbs. I-Beam. Equipment consist of one diesel engine, automatic transmission, triplex pump, and a centrifugal pump.

The main skid engine and automatic transmission drive the triplex pump. The triplex pump is configured to pump fluid to, release, or re-circulate fluid. A hydraulic drive is mounted on the transmission providing hydraulic power to operate the centrifugal pumps.



600HPSERVUMP • 7/14

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600 HP Well Service Pump

SPECIFICATIONS:

MAIN ENGINE

Detroit 14DL 630HP Tier II
High capacity Cooling system
24 Volt start system or as required
24 Volt electrical system

TRANSMISSION

Allison Automatic 6610 Manual LU Power-shift
(No reverse)

TRIPLEX PUMP

One SPM TWS600S pump
Rated at 600 BHP
6" Stroke
Reduction Gear 4.6:1
Plunger lube oil tank with air regulator and control valve
Power end lube oil pump driven from PTO mounted on Allison transmission
Plunger size is to be determined by customer

DATA ACQUISITION EQUIPMENT

Digital display console containing digital indicators displays the pump pressure, pumping rate, and total volumes pumped. An electronic assembly is included which performs the necessary zero and scaling controls for each of the signals as well as the circuitry that formats the signals for computer inputs.

GAUGES AND CONTROLS

Data acquisition system components
Engine oil pressure
Engine water temperature
Emergency kill
Engine start/stop
Engine throttle
Engine tachometer
Transmission shifter
Triplex pressure gauge w/over-pressure shutdown
Centrifugal pump speed control
Centrifugal pump pressure
Hydraulic Pressure Gauges
Hydraulic temperature gauges
Air pressure gauge
Ammeter gauge
Triplex lube oil pressure
Triplex oil temperature
Transmission oil pressure
Transmission lock up indicator



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