

SC 2000 frac pump

Designed specifically for Frac Pack and remedial stimulation operations

Applications

- Frac Pack operations
- Remedial stimulation operations
- Offshore and onshore

Features and Benefits

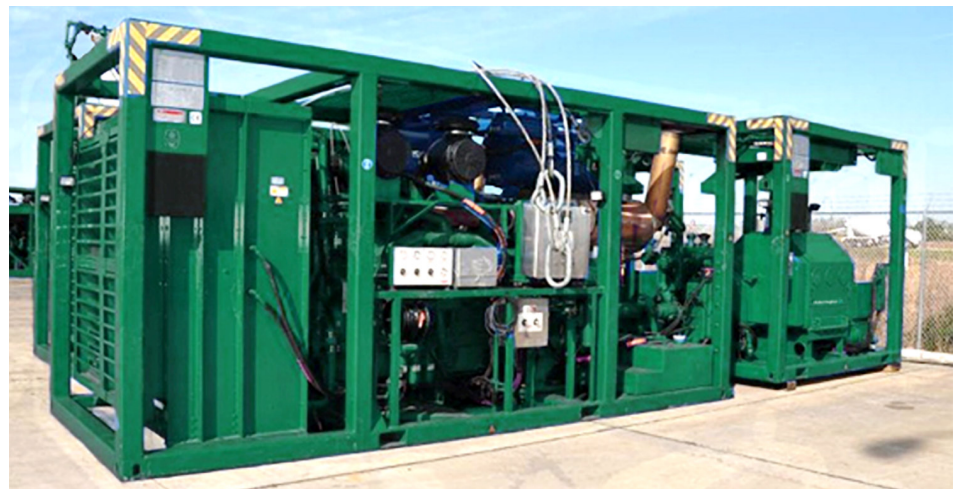
- Rated 2,000 HHP
- Cummins QSK45 diesel engine, 2250 BHP at 1,900 RPM
- Allison S9800 powershift transmission
- SPM TWS 2250 Triplex pump
- 4 1/2-in. plungers
- Fuel system: 200-gal diesel fuel tank
- Cooling system: Vertically mounted air-cooled radiator package
- Process piping:
 - 4-in. Fig. 206 suction manifold with female subs (2 each)
 - 3-in. discharge manifold with 1502 connection (1 each)
- DNV 2.7-1 certified frame for offshore lifting and improved mobility
- ISO blocks incorporated providing more efficient installation
- Remote or local engine and transmission controls
- Modular construction for use on offshore rigs, temporary vessels or trailer mounted for onshore use

The SC 2000 HHP frac pump is a skid-mounted, high horsepower pump unit designed specifically for Frac Pack and remedial stimulation operations. Each unit is DNV 2.7-1 certified frame, with ISO dimensions and intermodal locks. Although the unit is designed to pump Frac Pack slurries, it is also capable of pumping any number of

well treating fluids. The unit is capable of being operated and shut down from a remote console up to 150 feet from the system. Each unit can be split into a pump skid and an engine skid for ease of handling. The pump unit is capable of rates up to 7.4 BPM with a 4 1/2-in. fluid end and a maximum trating pressure of 15,000 psi.

Typical properties

	Engine skid	Pump skid
Weight	35,500 lbs (16,103 kg)	27,000 lbs (12,247 kg)
Length	20 ft (6.1 m)	10 ft (3.2 m)
Width	8.0 ft (2.43 m)	8.0 ft (2.43 m)
Height	9.5 ft (2.9 m)	9.5 ft (2.9 m)



The SC 2000 HHP frac pump.

Plunger size: 4 1/2-in.

Transmission gear	Engine (RPM)	Discharge rate (GPM)	Discharge rate (BPM)	Discharge pressure (PSI)
1st gear (3.75 : 1)	1,900	130.2	3.1	14,174
2nd gear (2.69 : 1)	1,900	184.8	4.4	14,174
3rd gear (2.20 : 1)	1,900	222.6	5.3	14,174
4th gear (1.77 : 1)	1,900	277.2	6.6	11,555
5th gear (1.58 : 1)	1,900	310.8	7.4	10,314