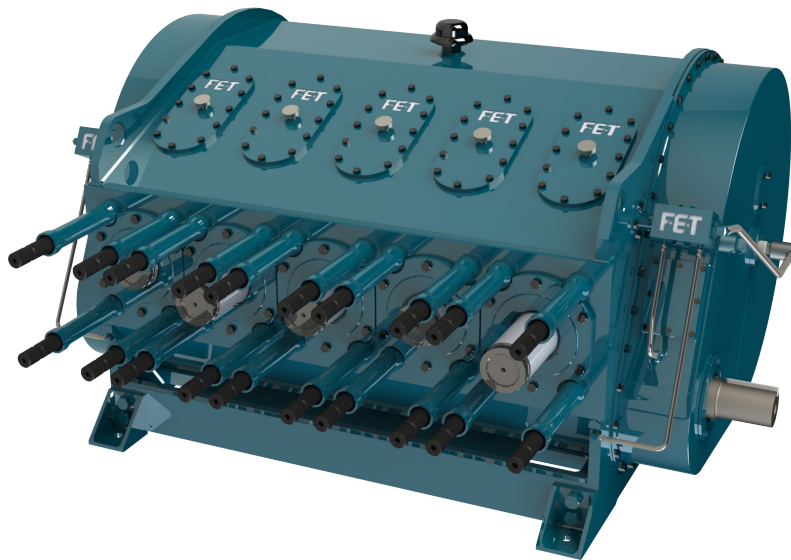


FXD3500 Power End

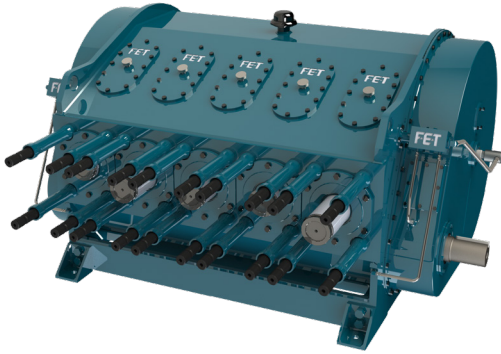
FET Well Stimulation produces the industry's most reliable power ends. With more than 4,000,000 cumulative pump hours and our unparalleled, two-year frame warranty, you can rely on our power ends to perform consistently in the face of the industry's most challenging conditions.



Design Features

Benefits

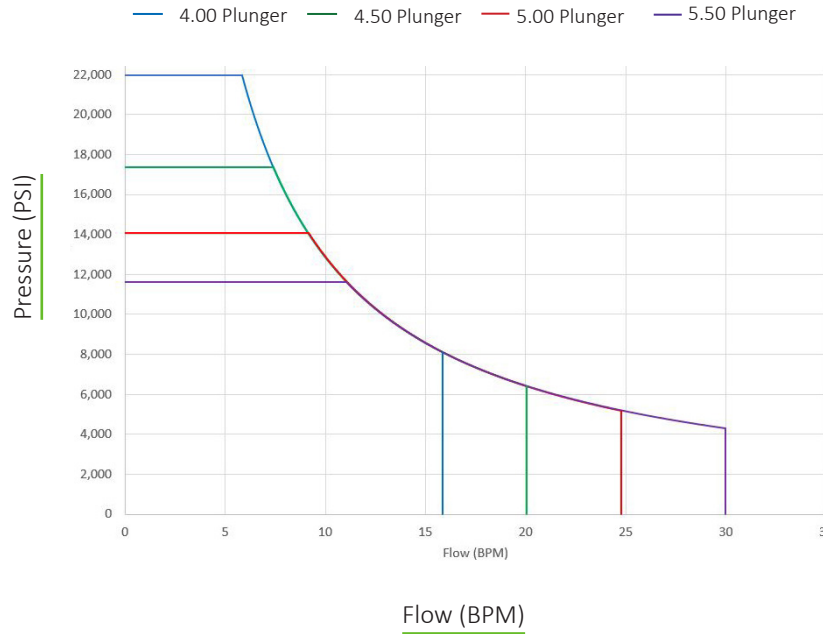
New Shell Bearing Design	Optimized Design Lasts Longer and Reduces the Amount of Maintenance Cycles
Gearing System Enhancement	Reduces Wear and Improves Reliability
Improved Lubrication Technology	Reduces Friction Between Mating Components
Patented Figure 8 Frame Design	Enhanced Pinion Bearing Housing Support, Allowing Optimal Force Distribution Back Into the Frame
Oversized Spherical Roller Bearing	Superior Axial Loading Support Extends Overall Life
Direct Bearing Lubrication	Optimal Lube Film Hydrodynamics Increases Bearing Life
Floating Crank and Direct Lubrication to Crank Thrust Bearing	Superior Pump Timing Control with Improved Gear Mesh Longevity
Pinion Bearing Housing	Prevents Wear being Transferred to the Frame
Removable Lube Pipe	Reduces Stresses on the Frame and Increases Ease of Cleaning



Specifications

- Rod Load: 275,000 lbs.
- Maximum Input: 3,500 BHP
- Maximum RPM (Input/Output): 1950 / 307
- Stroke Length: 8"
- Power End Weight: 13,512 lbs.
- Complete Pump Weight: 18,812 lbs.
- Distance Between Centers: 12"
- Gear Ratio: 6.353:1

FXD3500 Performance Chart



FXD3500 Performance Table

Plunger Diameter		Inches	4.0	4.5	5.0	5.5	Rod Load	Input Power
Displacement per Revolution		Barrels	.05	.07	.08	.10	LBF	BHP
Flow Rate at Crankshaft RPM	100	BPM	5.18	6.56	8.10	9.80	275,000	3,087
		PSI	21,884	17,291	14,006	11,575		
	150	BPM	7.77	9.84	12.14	14.69	207,865	3,500
		PSI	16,541	13,070	10,586	8,749		
	200	BPM	10.36	13.11	16.19	19.59	155,899	3,500
		PSI	12,406	9,802	7,940	6,562		
	250	BPM	12.95	16.39	20.24	24.49	124,719	3,500
		PSI	9,925	7,842	6,352	5,249		
	300	BPM	15.54	19.67	24.29	29.39	103,933	3,500
		PSI	8,271	6,535	5,293	4,375		
	307	BPM	15.91	20.13	24.85	30.07	94,484	3,256
		PSI	7,591	5,941	4,812	3,977		

Note: Values in this table were calculated based on 90% mechanical efficiency. Before using these tables or values contact FET Well Stimulation engineering to ensure the values are valid and up to date. Properties can be changed significantly by small changes in design to handle different rod loads, and these changes occur semi-frequently. Engineering needs to sign off on any document that contains any reference to values derived from these tables for this reason.