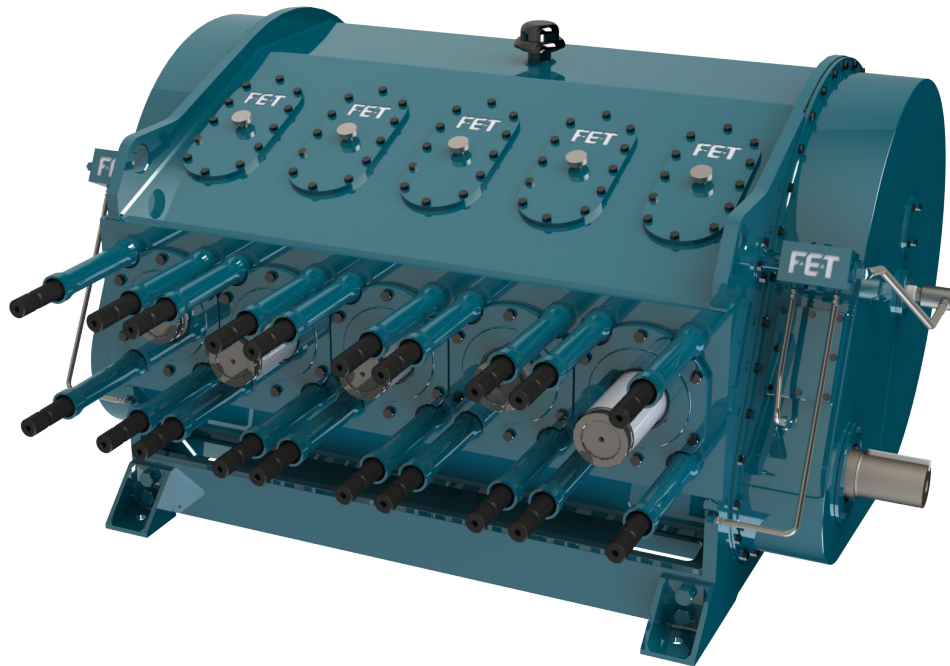


FXD3000 Power End

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

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

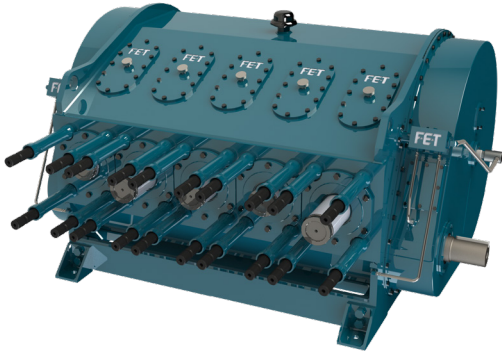
Removable Lube Pipe

Reduces Stresses on the Frame and Increases Ease of Cleaning



**WELL
STIMULATION**

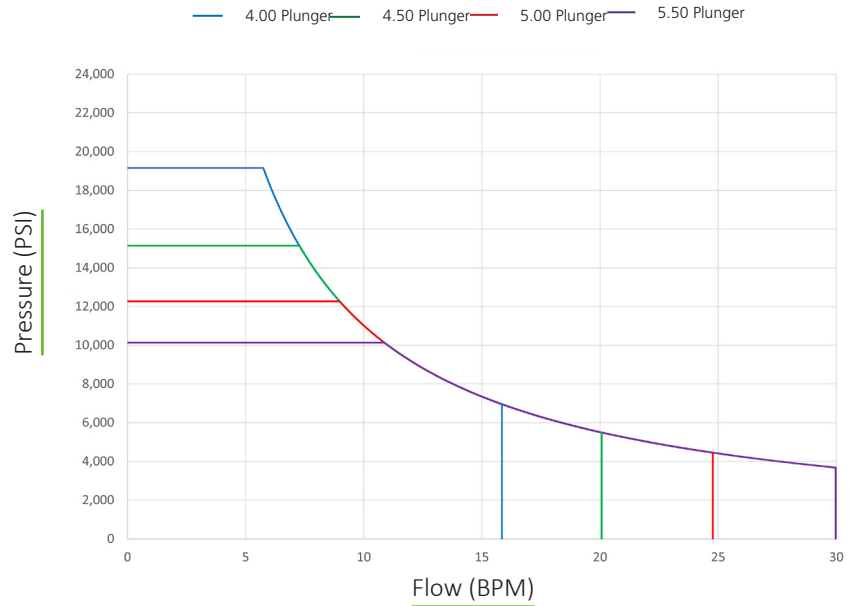
WELL STIMULATION



Specifications

- Rod Load: 240,000 lbs.
- Maximum Input: 3,000 BHP
- Maximum RPM (Input/Output): 1950 / 307
- Stroke Length: 8"
- Power End Weight: 13,500 lbs.
- Complete Pump Weight: 18,800 lbs.
- Distance Between Centers: 12"
- Gear Ratio: 6.353:1

FXD3000 Performance Chart



FXD3000 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	240,000	2,694
		PSI	19,099	15,090	12,223	10,102		
	150	BPM	7.77	9.84	12.14	14.69	178,170	3,000
		PSI	14,178	11,203	8,402	7,499		
	200	BPM	10.36	13.11	16.19	19.59	133,628	3,000
		PSI	10,634	8,402	6,806	5,624		
	250	BPM	12.95	16.39	20.24	24.49	106,902	3,000
		PSI	8,507	6,722	5,444	4,500		
	300	BPM	15.54	19.67	24.29	29.39	89,085	3,000
		PSI	7,089	5,601	4,537	3,750		
	307	BPM	15.90	20.13	24.85	30.07	87,054	3,000
		PSI	6,928	5,474	4,434	3,664		

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.