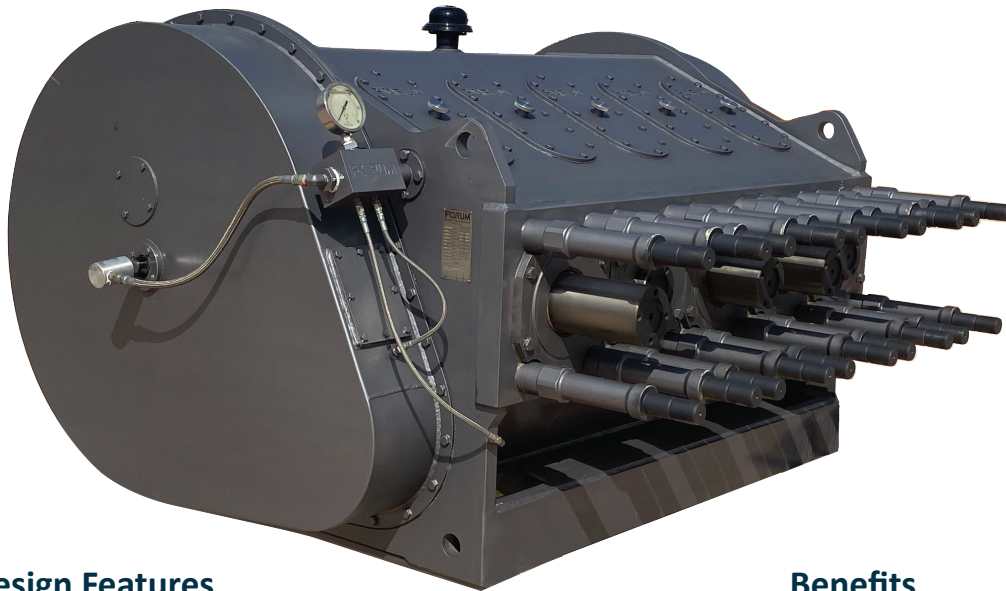


J3300 Power End

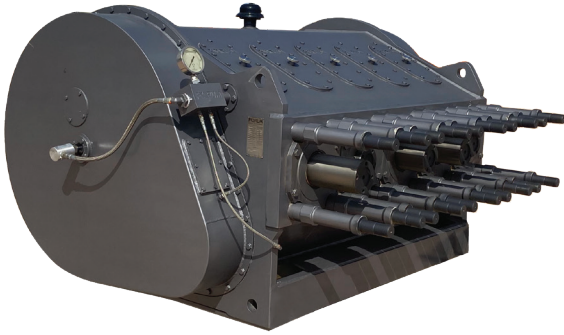
With over 3,500,000 accumulated pumping hours, Forum's J-Series provides operators with the industry's most reliable power ends. Offering an unparalleled two-year frame warranty, customers rely on Forum's J-Series power end to deliver consistent and proven performance in the field. From the frame to the components, every J-series power end is built to handle the industry's toughest challenges.



Design Features

Benefits

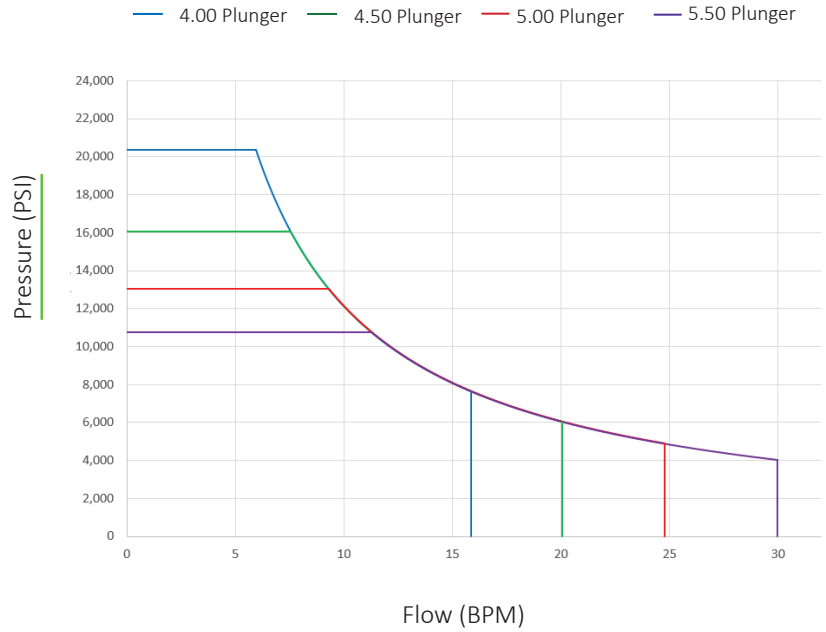
New Shell Bearing Design	Optimized Design Lasts Longer and Reduces the Amount of Maintenance Cycles
Gearing System Enhancement	Reduces Wear and Improves Reliability
New Lubrication Technology	Reduces Friction Between Mating Components
Patented Figure 8 Frame Design	Enhanced Pinion Bearing Housing Support, 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
Two-Piece Connecting Rod	Minimizes Operating Cost
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: 255,000 lbs.
- Maximum Input: 3,300 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

J3300 Performance Chart



J3300 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	8.1	9.8	255,000	2,862
		PSI	20,292	16,033	12,987	10,733		
	150	BPM	7.77	9.84	12.14	14.69	195,987	3,300
		PSI	15,596	12,322	9,981	8,249		
	200	BPM	10.36	13.11	16.19	19.59	146,990	3,300
		PSI	11,697	9,242	7,486	6,186		
	250	BPM	12.95	16.39	20.24	24.49	117,592	3,300
		PSI	9,357	7,393	5,988	4,949		
	300	BPM	15.54	19.67	24.29	29.39	97,993	3,300
		PSI	7,798	6,161	4,990	4,124		
	307	BPM	15.9	20.13	24.85	30.07	95,759	3,300
		PSI	7,620	5,474	4,876	4,030		

Note: Values in this table were calculated based on 90% mechanical efficiency. Before using these tables or values contact Forum 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.