



JR7000E PUMP

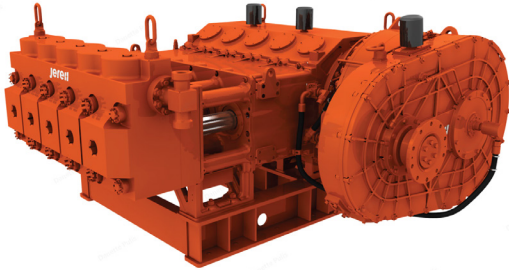
Built to Endure and Perform

Rising efficiency requirements, escalating equipment maintenance, and the high cost of continuous 24/7 frac jobs are significant challenges. Consequently, the need for a durable, versatile, and long-lasting pump has never been greater.

Jereh Energy Equipment and Technologies proudly presents the JR7000E of the Jereh Plunger Pump Series, engineered for continuous duty with 6,000 bhp input, longer service life, reduced maintenance, and flexible compatibility across diesel and electric drives.

Features and Benefits

- Fully casted power-end and gearbox casings eliminate the risk of cracking, a common failure point in conventional welded pumps, providing a lifespan of more than 24,000 hours.
- The 11" long stroke length reduces the wear rate of fluid end consumables by 30% under identical working conditions.
- The one-piece herringbone gear, free from a middle groove, offers a 200% reduction in vibration, with gear life exceeding 12,000 hours.
- The re-designed lubrication line achieves a 35% decrease in lubrication resistance, ensuring optimal lubrication of critical components while minimizing failure rates.
- The platform-based design supports both diesel and electric drives, reducing spare parts inventory requirements and lowering the total cost of ownership
- Optional JPCM helps monitor the pump's running state in real time, preventing unexpected failures and reducing the risk of catastrophic malfunctions.



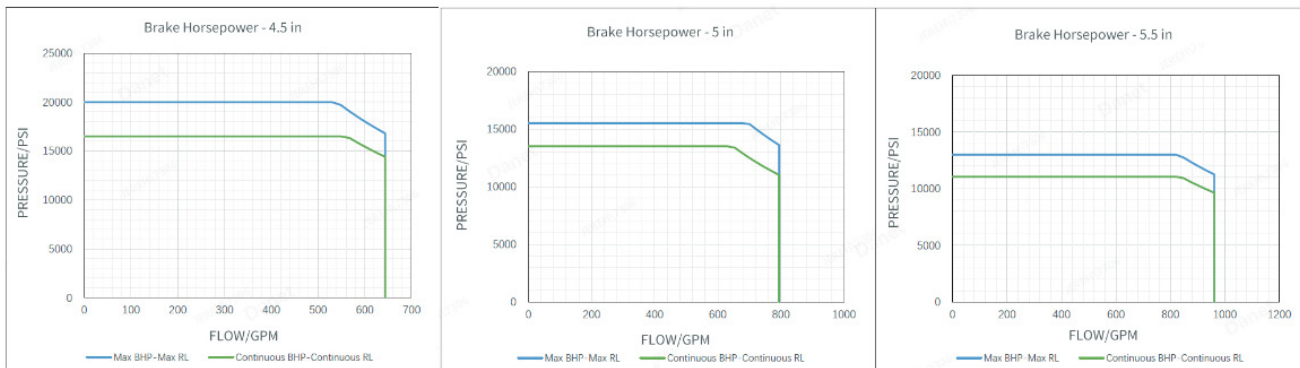
Technical Specifications

Maximum Input Power	7,000 bhp	Stroke	11 in
Continuous Input Power	6,000 bhp	Maximum Rod Load	317,790 lbf
Continuous Speed	145 rpm	Continuous Rod Load	278,752
Gearbox Ratio	12.3:1	Pump Weight	34,500
Number of Plungers	5		

Performance Data

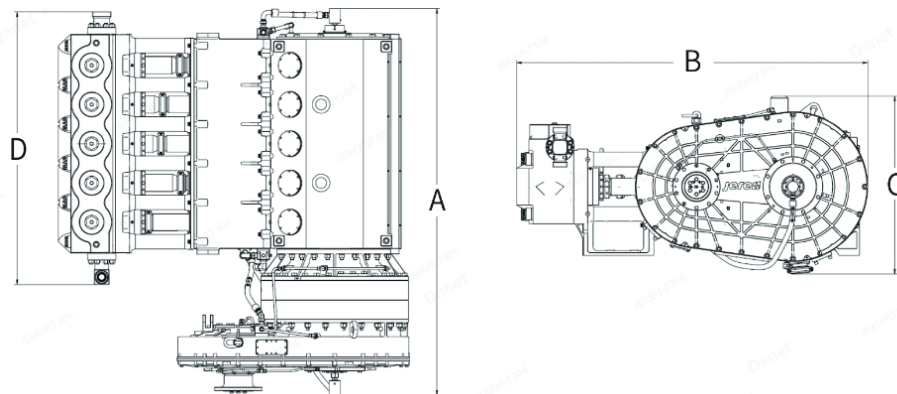
Plunger Diameter	Output	Displacement at Pump Strokes per Minute											
		60		80		100		120		150		170	
		GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
in (mm)	gal/rev (L/rev)	LPM	MPa	LPM	MPa	LPM	MPa	LPM	MPa	LPM	MPa	LPM	MPa
4.5 114.3	3.79 14.33	227.2 860.1	20000 137.9	302.9 1146.7	20000 137.9	378.7 1433.4	20000 137.9	454.4 1720.1	20000 137.9	568.0 2150.2	19011 131.1	643.7 2436.8	16774 115.7
5 127	4.67 17.70	280.5 1061.8	15500 106.9	374.0 1415.7	15500 106.9	467.5 1769.7	15500 106.9	561.0 2123.6	15500 106.9	701.2 2654.5	15399 106.2	794.7 3008.4	13587 93.7
5.5 139.7	5.66 21.41	339.4 1284.8	13000 89.7	452.5 1713	13000 89.7	565.7 2141.3	13000 89.7	678.8 2569.6	13000 89.7	848.5 3212	12726 87.8	961.6 3640.2	11229 77.4
Peak Braking Power (BHP/kW)		2946/2197		3928/2929		4910/3661		5891/4393		7000/5220		7000/5220	
Input Speed (RPM)		738		984		1230		1476		1845		2091	

Performance Curve



Dimensions

Stroke	A	B
11 in	111.8 in	101.7 in
	C	D
	51.4 in	78.8 in



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