

PZL (PZ-11) Triplex Drilling Mud Pump



Specifications	Drilling Service
Maximum Input	1,600 BHP (1,193 kw)
Maximum RPM	115 RPM
Stroke Length	11" (279 mm)
Piston Load	150,300 lbs. (68,175 kg)
Pump Weight	37,000 lbs. (16,815 kg) average
Gear Ratio	4.38:1

PZL (PZ-11) Drilling Service Ratings

5,000 PSI Fluid End Cylinder									
Piston Cylinder		Displacement				Maximum PSI		Pump RPM	JackShaft RPM
Diameter		Per Revolution		Per Minute					
Inch	mm	Gal.	Lit.	Gal.	Lit.	PSI	Kg/sq.cm2	115	504
7	178	5.5	20.82	632	2,392	3,905	275		
6.5	165	4.74	17.94	545	2,063	4,529	318		
6	152	4.04	15.29	465	1,760	5,000	352		
5.5	140	3.40	12.87	390	1,476	5,000	352		
7,500 PSI Fluid End Cylinder									
Piston Cylinder		Displacement				Maximum PSI		Pump RPM	JackShaft RPM
Diameter		Per Revolution		Per Minute					
Inch	mm	Gal.	Lit.	Gal.	Lit.	PSI	Kg/sq.cm2	115	504
7	178	5.5	20.82	632	2,392	3,905	275		
6.5	165	4.74	17.94	545	2,063	4,527	318		
6	152	4.04	15.29	465	1,760	5,314	374		
5.5	140	3.40	12.87	390	1,476	6,324	445		
5	127	2.80	10.60	323	1,223	7,500	527		

Weight: Complete pump with large steel skid – 41,400 pounds.

Ratings are based on 90% mechanical efficiency and 100% volumetric efficiency.

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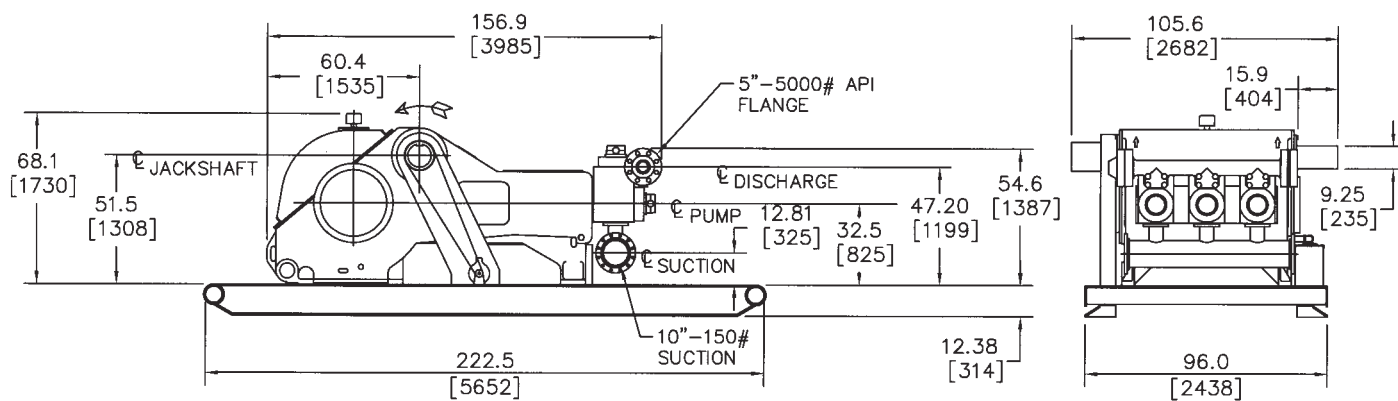


Standard Features

- Nodular iron power frame, eccentric, connection rods, and crossheads
- Double-row-spherical roller bearings carry eccentric
- Double extended Jackshaft carried on heavy-duty straight roller bearings
- Dual roller bearing connecting rod
- Heat-treated alloy steel main gears are bolted to the eccentric
- Replaceable bronze crosshead slides
- Full splash lubrication, with oil pump to feed working parts
- Heat-treated alloy steel, interchangeable fluid cylinders
- Three-rib API-7 urethane insert valves and seats
- Replaceable-type element oil filter and oil pressure gauge
- Threaded valve covers
- Plated piston rods
- Complete piston washing and lubrication system

Optional Equipment

- 7,500 PSI fluid end modules
- Steel skid under pump only
- Large steel skid with non-skid decking
- Centrifugal suction charging pump
- Rubber valve inserts
- Suction and/or discharge dampeners
- Oil heat exchanger
- External electric powered lube pump
- Fabricated suction manifold
- Custom packaging available
- Full open valves



Note: All installations must contain a pressure relief valve in the discharge line near the pump.

**Gardner
Denver**