



## SPECIFICATIONS

<b>Maximum Input</b>	1,000 BHP (746 kw)
<b>Maximum RPM</b>	130 RPM
<b>Stroke Length</b>	9" (229 mm)
<b>Piston Load</b>	101,550 lbs. (451,717 N)
<b>Pump Weight</b>	24,368 lbs. (11,075 kg) average
<b>Gear Ratio</b>	4.48:1

**Pumping Perfected.™**

Piston Cylinder Diameter		Displacement – Drilling Service				Maximum PSI		Pump RPM	Jackshaft RPM
		Per Revolution		Maximum Flow Rate		PSI	bar		
Inch	mm	Gal.	m <sup>3</sup>	GPM	m <sup>3</sup> /hr	PSI	bar		
7	178	4.50	0.0170	585	133	2,639	182	130	582
6.5	165	3.88	0.0147	504	114	3,060	211		
6.25	159	3.59	0.0136	466	106	3,310	228		
6	152	3.30	0.0125	430	98	3,592	248		
5.5	140	2.78	0.0105	361	82	4,274	295		
5	127	2.29	0.0087	298	68	5,000	345		
4.5	114	1.86	0.0070	242	55	5,000	345		
4	102	1.47	0.0056	191	43	5,000	345		

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

# PZ-9 (PZJ) Drilling Pump



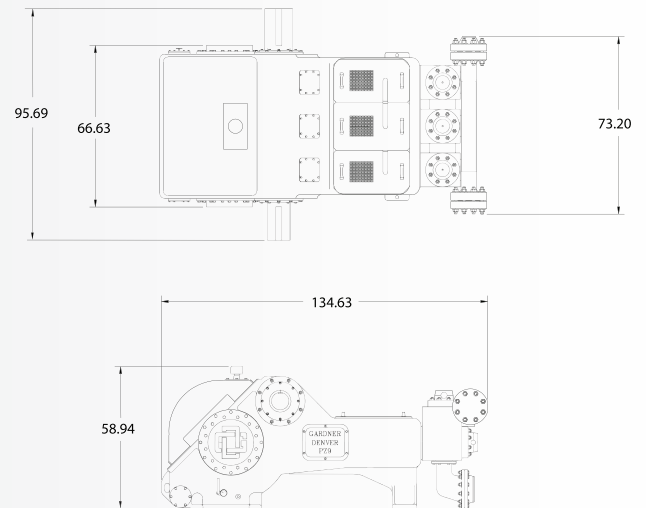
## STANDARD FEATURES

- High strength, cast nodular iron power frame, eccentric, connecting rods, and crossheads
- Full roller bearing construction at eccentric mains, jackshaft, connecting rods, and crosshead pins
- Heat treated alloy steel, double helical AGMA drive gears
- Double extended jackshaft for mounting sheaves or sprockets
- Replaceable bronze crosshead slides
- Splash lubrication with internal lube pump supplying pressurized oil to bearings, gears, and crosshead slides
- Ultra compact, heat treated alloy steel, valve over valve, interchangeable fluid end modules
- Hydrostatic tested cast steel discharge manifold
- API suction and discharge connections

## OPTIONAL FEATURES

- DNV, ABS, API or other third party certifications
- Steel transportation and placement skid for pump only or larger maintenance skid with non-slip decking
- Centrifugal suction charging pump
- Suction stabilizer and / or discharge damper
- External electric powered lube pump
- Fabricated, log style suction manifold
- Full open valve seats
- Custom packaging available

## SPECIFICATIONS



**Drilling & Production Pumps**  
Gardner Denver Pump Division  
1800 Gardner Expressway  
Quincy, IL 62305  
Phone: 217-222-5400  
Fax: 217-223-1581

**Drilling & Production Aftermarket**  
Gardner Denver Pump Division  
2200 South Prospect  
Oklahoma City, OK 73129  
Phone: 405-677-5736  
Fax: 405-677-5807

**Well Service Pumps**  
Gardner Denver Pump Division  
4747 South 83rd East Avenue  
Tulsa, OK 74145  
Phone: 918-664-1151  
Fax: 918-447-6487

**Fort Worth Service Center**  
Gardner Denver Pump Division  
7533 Kathy Lane  
Fort Worth, TX 76126  
Phone: 817-249-6400  
Fax: 817-249-6383

**Odessa Service Center**  
Gardner Denver Pump Division  
2121 West 44th Street  
Odessa, TX 79764  
Phone: 432-366-5433  
Fax: 432-363-9940