

## Power Sections

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Conventional

Stator Specifications	
	Inches
Overall Length	187.0
Tube O.D.	4.75
Tube I.D.	3.75
Rubber Cut Back Top	8.0
Rubber Cut Back Bottom	8.0
Weight (lb)	505
Tube Material	4140-4145
To be threaded and ID Banded by customer	

Rotor Specifications	
	Inches
Overall Length	178.0
Contour Length	172
Major Diameter	2.945
Eccentricity	0.163
Head Diameter	2.750
Gunbored Weight (lb)	235
Solid Weight (lb)	274
Material	17-4PH
Coating option 1	Chrome
Coating option 2	Carbide
To be threaded by customer	

Performance Specifications		
	Optimal Limit	Max Limit*
Flow Range (GPM)	150 - 300	
Speed Range (RPM)	80 - 130	
Torque Slope (ft-lbs/psi)	5.200	
Rotation (rev/Gal)	0.521	
Off Bottom Pressure (psi)	82	
Stall Torque (ft-lbs)	6,400	
Motor Pressure (psi)	827	937
Torque (ft-lbs)	4,300	4,900
Flow (GPM)	250	300
Power (hp)	91	119

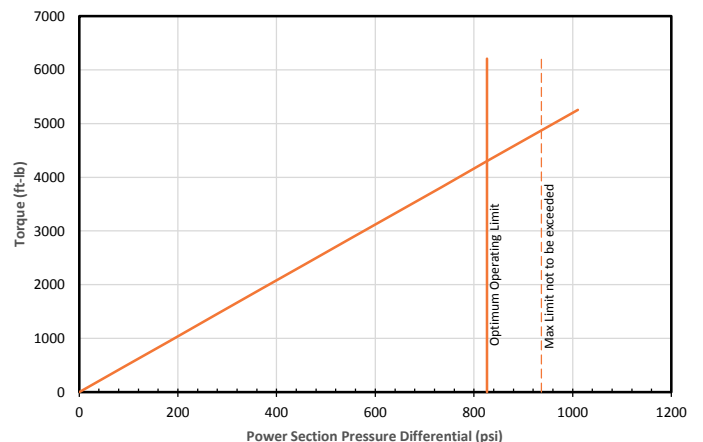
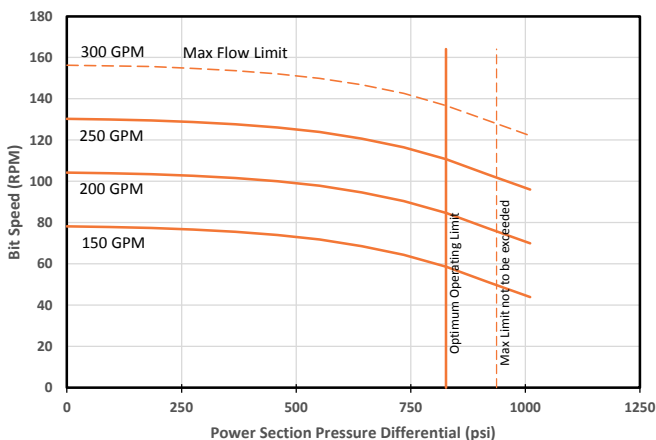
\*Expect reduced life when operating at this limit for extended duration

Minor Diameter Fit Details (at 68°F)					
Size Band	Nominal Fit (in.)**	Minor Dia (in.)*	Nominal Fit (in.)**	Minor Dia (in.)*	Best Oper. Temp***
	Vector Measurements		True Size Laser Measurements		
1.0T	0.012	2.607	0.022	2.597	70 - 125 °F
0.5T	0.002	2.617	0.012	2.607	110 - 165 °F
STD	-0.008	2.627	0.002	2.617	150 - 205 °F
0.5L	-0.018	2.637	-0.008	2.627	190 - 240 °F
1.0L	-	-	-	-	-
1.5L	-	-	-	-	-
2.0L	-	-	-	-	-
Minor Shrinkage (in./°F)					0.00025

\*Approximate Vector/laser gauge conversion: 0.010 ± 0.005

\*\*Negative fits indicate clearance fit at room temperature using nominal new rotor

\*\*\*Best operating temperatures are based on new stators subject to normal thermal expansion conditions. Operators may wish to consider swell and run life when selecting sizes.



Performance curves are for reference only. Actual power section performance may vary depending on operating conditions (e.g. chosen rotor/stator interference fit, possible rubber swelling by drilling fluid, rotor and stator wear, actual downhole temperature, actual stator temperature, physical and chemical properties of the drilling fluid and other factors encountered downhole). The torque may exceed that specified for the connected components. Operating above the recommended limits may result in damage to the power section and connected components which will be the liability of the operator. Data subject to change without notice.