

Power Sections

Overall Length (in.)

Rubber Cut Back Top (in.)

Rubber Cut Back Bottom (in.)

To be threaded and ID Banded by customer

Tube O.D. (in.)

Tube I.D. (in.)

Weight (kg)

Tube Material

22 East Lake Crescent N.E., Airdrie, Alberta, Canada, T4A 2H3 Ph: (587) 775-7777 www.spirasystems.com

Stator Specifications

242.6 [6162 mm]

4.75 [121 mm]

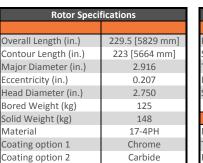
3.75 [95 mm]

8.0

8.0

245

4140-4145



Performance Specifications					
Flow Range (Ipm)	350 - 1100				
Speed Range (RPM)	90 - 290				
Torque Slope (ft-lb/kPa)	0.374				
Rotation (rev/l)	0.264				
Stall Torque (ft-lb)	7,000				
Operating Parameters					
Max Diff Pressure (kPa)	14,200				
Torque (ft-lb)	5,200				
Flow Rate (lpm)	1,100				
Full Load RPM	198 at 1100 lpm				

Minor Diameter Fit Details (at 20°C)						
	Nominal Fit (in.)**	Minor Dia (in.)*	Nominal Fit (in.)**	Minor Dia (in.)*	Operating Temp	
Size Band	Vector Measurements		True Size Laser Measurements		Optimal	
1.0T	-	-	-	-	-	
0.5T	-0.005	2.507	0.009	2.493	65 - 95 °C	
STD	-0.015	2.517	-0.001	2.503	85 - 115 °C	
0.5L	-0.025	2.527	-0.011	2.513	105 - 135 °C	
1.0L	-	-	-	-	-	
1.5L	-	-	-	-	-	
2.0L	-	-	-	-	-	
Minor Shrinkage (in./°C)			0.00050			

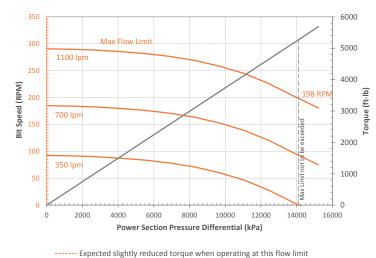
All default tolerances are +/- 0.015 unless otherwise explicitly agreed upon with Spira Systems. Call for availability of sizes not listed.

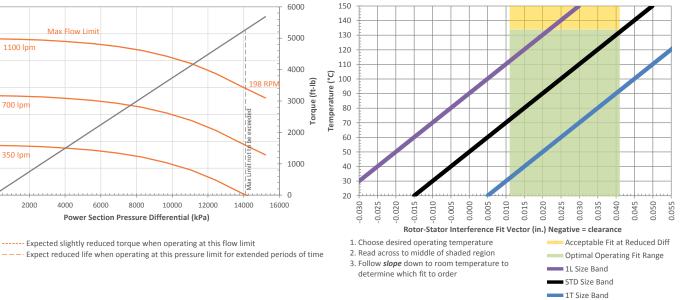
*Approximate Vector/laser gauge conversion: 0.014 ± 0.005

**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.

To be threaded by customer





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. Visit www.spirasystems.com for most up to date information.

4.75" 5/6 LOBES 8.3 STAGES

Canadian Oilfield Units

Conventional

Model last revised: 03/01/2020