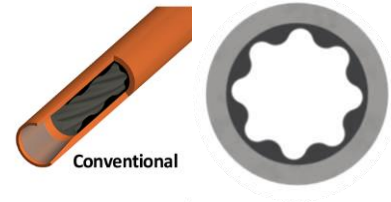


Power Sections

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



Stator Specifications	
Overall Length (in.)	229.3 [5823 mm]
Tube O.D. (in.)	5.00 [127 mm]
Tube I.D. (in.)	4.00 [102 mm]
Rubber Cut Back Top (in.)	8.0
Rubber Cut Back Bottom (in.)	8.0
Weight (kg)	175
Tube Material	4140-4145

To be threaded and ID Banded by customer

Rotor Specifications	
Overall Length (in.)	220.0 [5588 mm]
Contour Length (in.)	214 [5442 mm]
Major Diameter (in.)	3.091
Eccentricity (in.)	0.172
Head Diameter (in.)	2.750
Bored Weight (kg)	151
Solid Weight (kg)	173
Material	17-4PH
Coating option 1	Chrome
Coating option 2	Carbide

To be threaded by customer

Performance Specifications	
Flow Range (lpm)	550 - 1100
Speed Range (RPM)	65 - 135
Torque Slope (ft-lb/kPa)	0.752
Rotation (rev/l)	0.122
Stall Torque (ft-lb)	7,600
Operating Parameters	
Max Diff Pressure (kPa)	7,700
Torque (ft-lb)	5,700
Flow Rate (lpm)	1,100
Full Load RPM	92 at 1100 lpm

Minor Diameter Fit Details (at 20°C)					
Size Band	Nominal Fit (in.)**	Minor Dia (in.)*	Nominal Fit (in.)**	Minor Dia (in.)*	Operating Temp Optimal
1.0T	0.012	2.735	0.016	2.731	50 - 80 °C
0.5T	0.002	2.745	0.006	2.741	70 - 100 °C
STD	-0.008	2.755	-0.004	2.751	90 - 120 °C
0.5L	-	-	-	-	-
1.0L	-	-	-	-	-
1.5L	-	-	-	-	-
2.0L	-	-	-	-	-

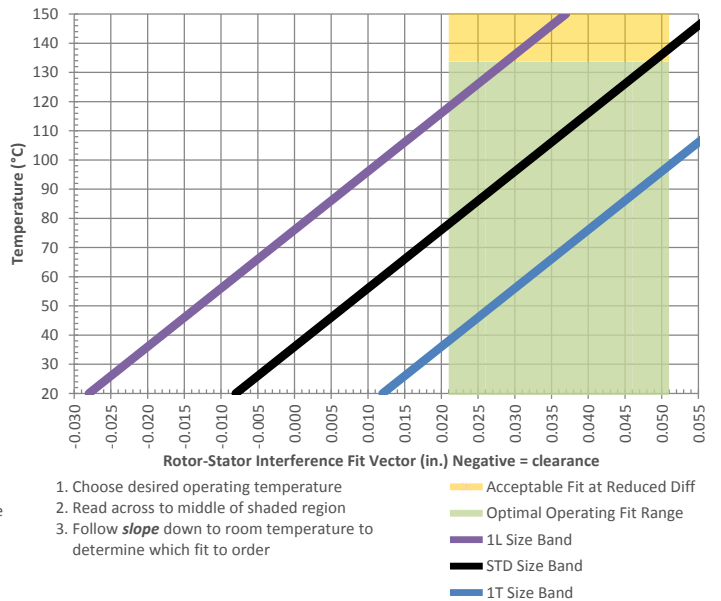
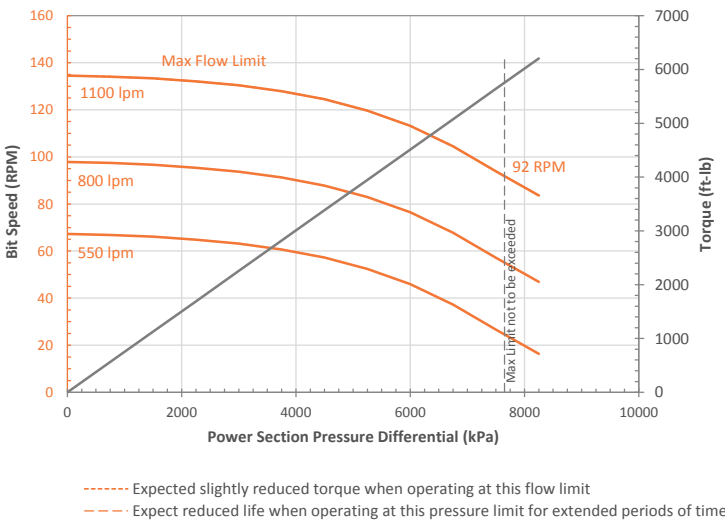
Minor Shrinkage (in./°C) 0.00050

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: 0.004 ± 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. Visit www.spirasystems.com for most up to date information.