VIKING
Power Technologies
5203 Aeropark Dr., Houston, TX 77032 USA
Tel: (832)-957-3200 Email: sales@vikingpt.com

Coil Tubing Power Section

350 56 27

3.50" OD 5/6 Lobes 2.7 Stages

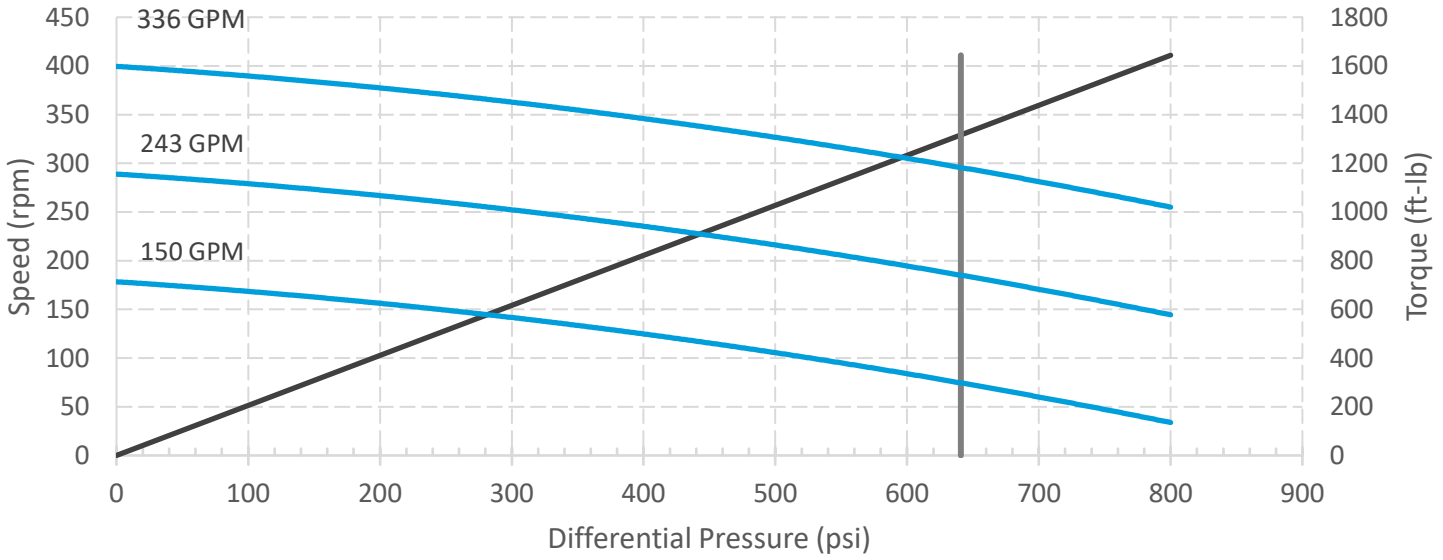
Rotor Specification	
Overall Length	96.50 in.
Contour Length	91.50 in.
Head Length	5.00 in.
Head Diameter	2.40 in.
Major Diameter	2.363 in.
Eccentric	0.169 in.
Material	17-4 PH
Weight	93 lbs.
Thread Form	Contact Factory

Stator Specification	
Overall Length	100.00 in.
Contour Length	90.00 in.
Tube O.D.	3.50 in.
Tube I.D.	3.00 in.
Cutback (Band / Non-Band)	5.00 / 5.00 in.
Stages	2.7
Material	4140 HT
Weight	82 lbs.
Thread Form	Contact Factory

Downhole Performance Specifications			
Torque Slope	2.05 ft-lbs/psi	Max Diff. Pressure	640 psi
Flow Range	150 - 336 gpm	Max Torque	1,320 ft-lbs
Speed Range	178 - 400 rpm	Speed (Max Diff. & Flow)	296 rpm
Rotation	1.189 rev/gal	Max HP	75 hp
Off-Bottom Pressure	100 psi	Stall Diff. Pressure	1,000 psi
		Stall Torque	2,050 ft-lbs

Elastomer Performance

	007 Temperature Slope 0.000186 in/°F		VPX Temperature Slope 0.000228 in/°F	
	Minor	**Nominal Fit**	**Minor**	**Nominal Fit**
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	2.049	-0.024	2.060	-0.035
1.5 Oversize				
2.0 Oversize				



Power section performance curves are for reference only. Actual performance will vary with different downhole conditions and rotor/stator fits. If operated above the optimal differential pressure, stator life will be reduced. Optimal load power calculation is based on maximum RPM and optimal load torque. Information contained in this document is subject to change without notice.

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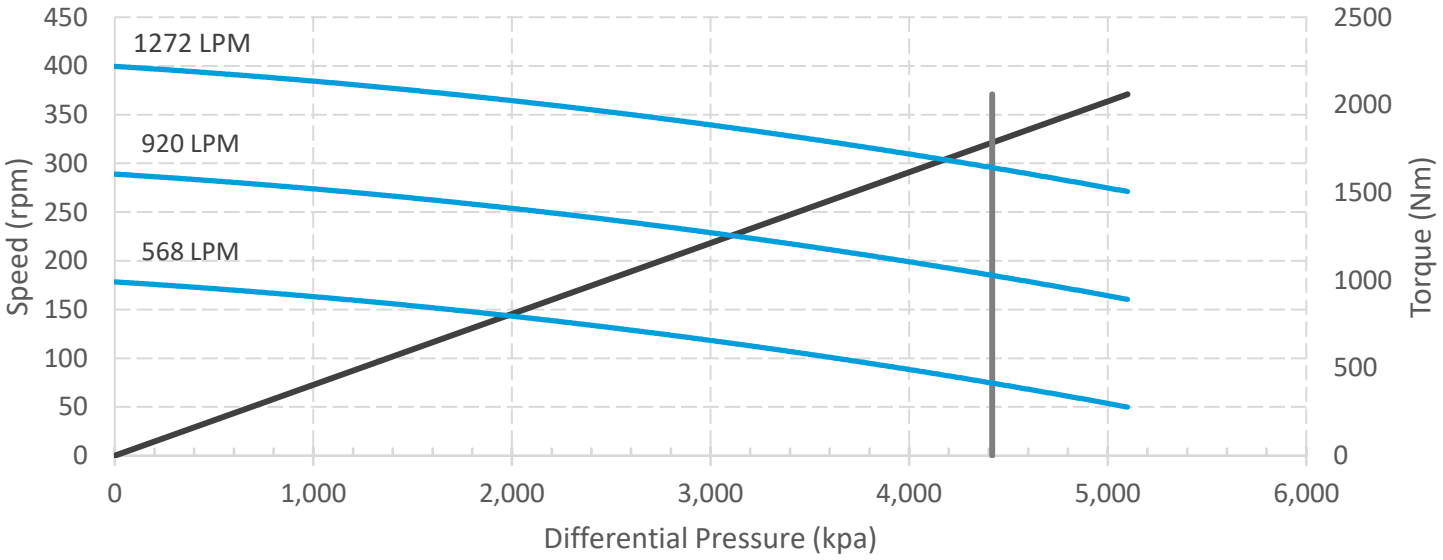
Rotor Specification	
Overall Length	2451.1 mm
Contour Length	2324.1 mm
Head Length	127.0 mm
Head Diameter	60.96 mm
Major Diameter	60.01 mm
Eccentric	4.29 mm
Material	17-4 PH
Weight	42 kgs
Thread Form	Contact Factory

Stator Specification	
Overall Length	2540.0 mm
Contour Length	2286.0 mm
Tube O.D.	88.9 mm
Tube I.D.	76.2 mm
Cutback (Band / Non-Band)	127.0 / 127.0 mm
Stages	2.7
Material	4140 HT
Weight	37 kgs
Thread Form	Contact Factory

Downhole Performance Specifications			
Torque Slope	0.40 Nm/kPa	Max Diff. Pressure	4413 kPa
Flow Range	568 - 1272 lpm	Max Torque	1790 Nm
Speed Range	178 - 400 rpm	Speed (Max Diff. & Flow)	296 rpm
Rotation	0.3141 rev/liter	Max HP	56 kW
Off-Bottom Pressure	689 kPa	Stall Diff. Pressure	6895 kPa
		Stall Torque	2779 Nm

Elastomer Performance

	007 Temperature Slope 0.008504 mm/°C		VPX Temperature Slope 0.010424 mm/°C	
	Minor	**Nominal Fit**	**Minor**	**Nominal Fit**
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	52.04	-0.61	52.32	-0.89
1.5 Oversize				
2.0 Oversize				



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