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

Coil Tubing Power Section

350 78 22

3.50" OD 7/8 Lobes 2.2 Stages

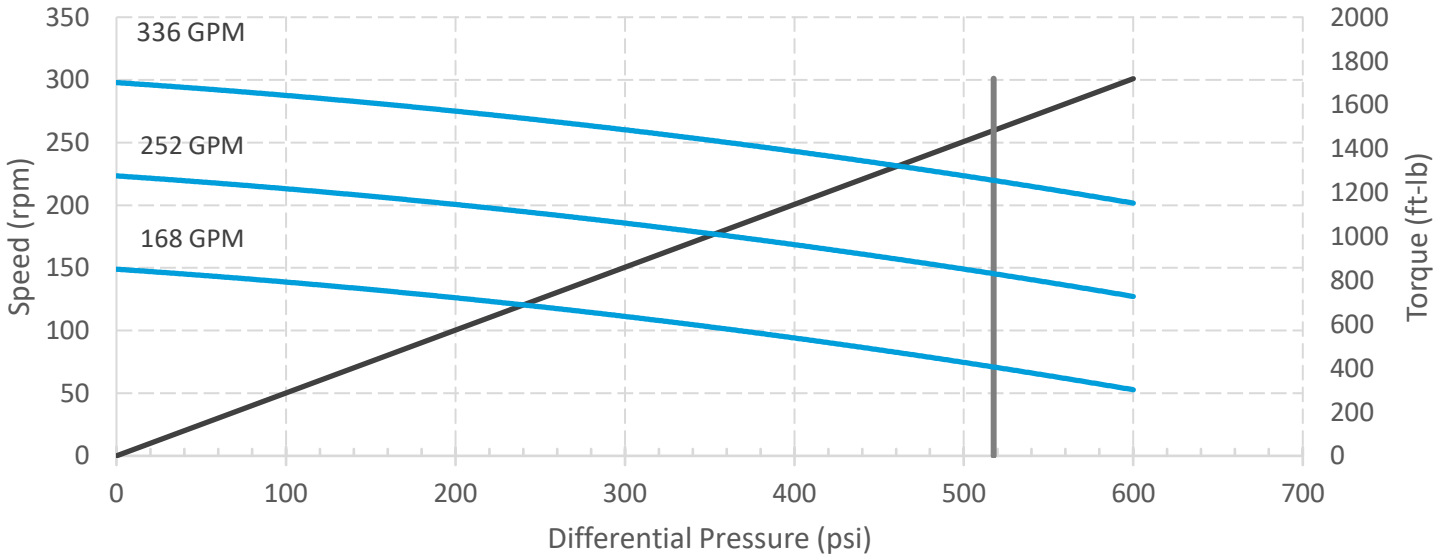
Rotor Specification	
Overall Length	90.00 in.
Contour Length	85.00 in.
Head Length	5.00 in.
Head Diameter	2.40 in.
Major Diameter	2.425 in.
Eccentric	0.138 in.
Material	17-4 PH
Weight	96 lbs.
Thread Form	Contact Factory

Stator Specification	
Overall Length	94.00 in.
Contour Length	84.00 in.
Tube O.D.	3.50 in.
Tube I.D.	3.00 in.
Cutback (Band / Non-Band)	5.00 / 5.00 in.
Stages	2.2
Material	4140 HT
Weight	77 lbs.
Thread Form	Contact Factory

Downhole Performance Specifications			
Torque Slope	2.87 ft-lbs/psi	Max Diff. Pressure	520 psi
Flow Range	168 - 336 gpm	Max Torque	1,480 ft-lbs
Speed Range	149 - 298 rpm	Speed (Max Diff. & Flow)	220 rpm
Rotation	0.886 rev/gal	Max HP	60 hp
Off-Bottom Pressure	90 psi	Stall Diff. Pressure	820 psi
		Stall Torque	2,350 ft-lbs

Elastomer Performance

	007 Temperature Slope 0.000161 in/°F		VPX Temperature Slope 0.000197 in/°F	
	Minor	**Nominal Fit**	**Minor**	**Nominal Fit**
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	2.161	-0.011	2.177	-0.027
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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Revised: 10/2026

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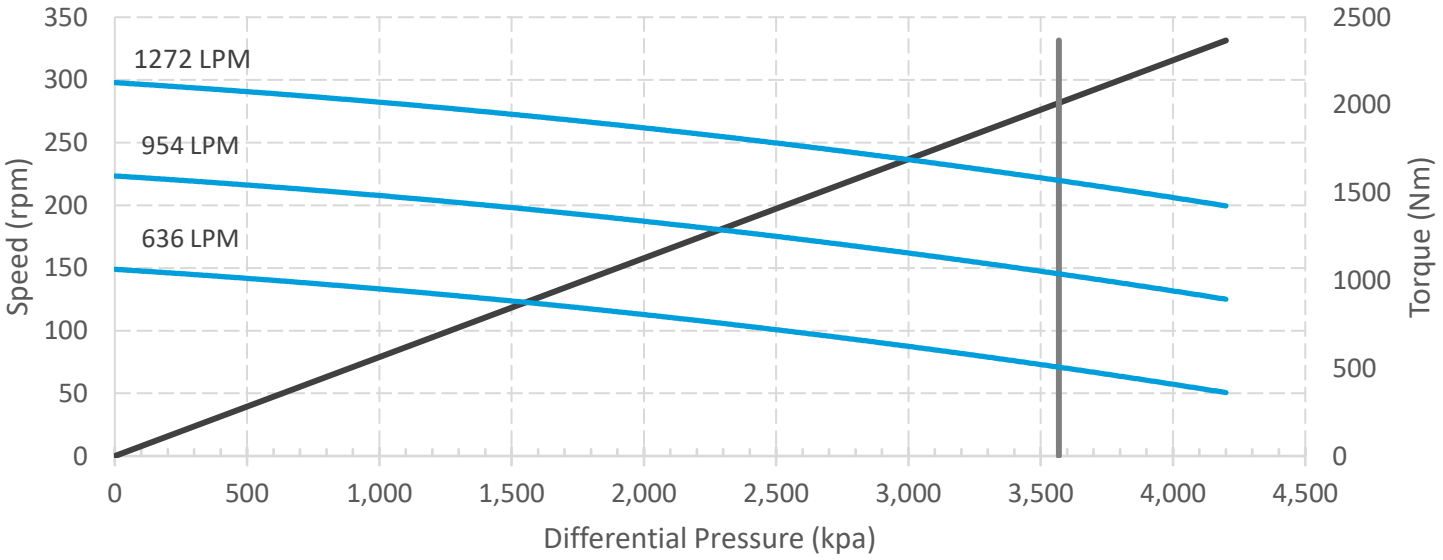
Rotor Specification	
Overall Length	2286.0 mm
Contour Length	2159.0 mm
Head Length	127.0 mm
Head Diameter	60.96 mm
Major Diameter	61.60 mm
Eccentric	3.49 mm
Material	17-4 PH
Weight	44 kgs
Thread Form	Contact Factory

Stator Specification	
Overall Length	2387.6 mm
Contour Length	2133.6 mm
Tube O.D.	88.9 mm
Tube I.D.	76.2 mm
Cutback (Band / Non-Band)	127.0 / 127.0 mm
Stages	2.2
Material	4140 HT
Weight	35 kgs
Thread Form	Contact Factory

Downhole Performance Specifications			
Torque Slope	0.56 Nm/kPa	Max Diff. Pressure	3585 kPa
Flow Range	636 - 1272 lpm	Max Torque	2007 Nm
Speed Range	149 - 298 rpm	Speed (Max Diff. & Flow)	220 rpm
Rotation	0.2341 rev/liter	Max HP	45 kW
Off-Bottom Pressure	621 kPa	Stall Diff. Pressure	5654 kPa
		Stall Torque	3186 Nm

Elastomer Performance

	007 Temperature Slope 0.007361 mm/°C		VPX Temperature Slope 0.009007 mm/°C	
	Minor	**Nominal Fit**	**Minor**	**Nominal Fit**
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	54.89	-0.28	55.30	-0.69
1.5 Oversize				
2.0 Oversize				



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