



VIKING

Power Technologies

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

Coil Tubing Power Section

337 45 34

3.37" OD 4/5 Lobes 3.4 Stages

Rotor Specification

Overall Length	94.00 in.
Contour Length	88.00 in.
Head Length	6.00 in.
Head Diameter	2.25 in.
Major Diameter	2.233 in.
Eccentric	0.186 in.
Material	17-4 PH
Weight	76 lbs.
Thread Form	Contact Factory

Stator Specification

Overall Length	98.00 in.
Contour Length	86.00 in.
Tube O.D.	3.37 in.
Tube I.D.	2.88 in.
Cutback (Band / Non-Band)	6.00 / 6.00 in.
Stages	3.4
Material	4140 HT
Weight	76 lbs.
Thread Form	Contact Factory

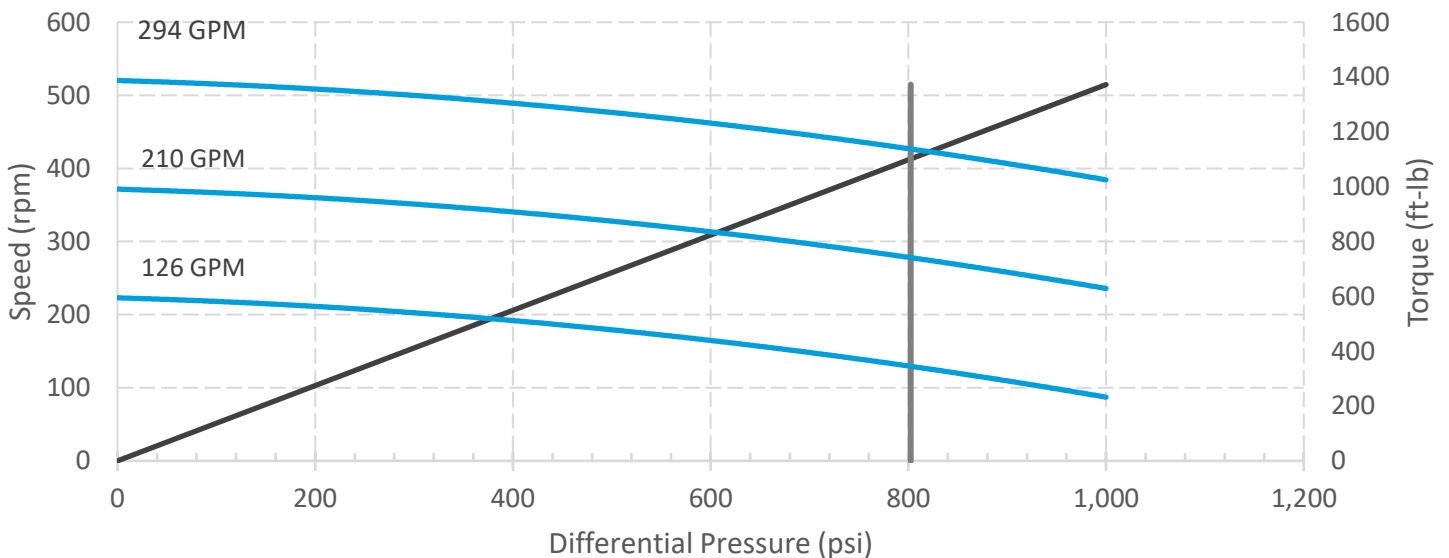
Downhole Performance Specifications

Torque Slope	1.37 ft-lbs/psi	Max Diff. Pressure	800 psi	800 psi
Flow Range	126 - 294 gpm	Max Torque	1,100 ft-lbs	890 ft-lbs
Speed Range	223 - 520 rpm	Speed (Max Diff. & Flow)	427 rpm	366 rpm
Rotation	1.770 rev/gal	Max HP	90 hp	60 hp
Off-Bottom Pressure	100 psi	Stall Diff. Pressure	1,260 psi	
		Stall Torque	1,730 ft-lbs	

Dyno Performance

Elastomer Performance

	007		VPX	
	Minor	Nominal Fit	Minor	Nominal Fit
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	1.876	-0.015	1.885	-0.024
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.



Rotor Specification

Overall Length	2387.6 mm
Contour Length	2235.2 mm
Head Length	152.4 mm
Head Diameter	57.15 mm
Major Diameter	56.72 mm
Eccentric	4.73 mm
Material	17-4 PH
Weight	34 kgs
Thread Form	Contact Factory

Stator Specification

Overall Length	2489.2 mm
Contour Length	2184.4 mm
Tube O.D.	85.6 mm
Tube I.D.	73.2 mm
Cutback (Band / Non-Band)	152.4 / 152.4 mm
Stages	3.4
Material	4140 HT
Weight	35 kgs
Thread Form	Contact Factory

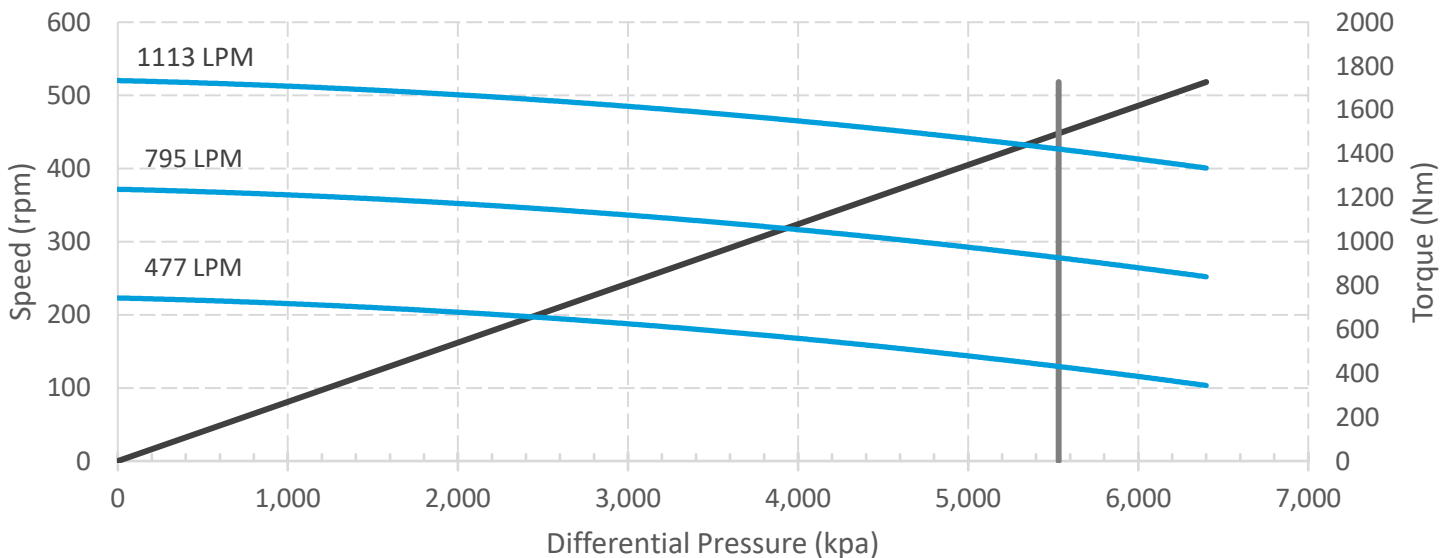
Downhole Performance Specifications

Torque Slope	0.27 Nm/kPa	Max Diff. Pressure	5516 kPa	5516 kPa
Flow Range	477 - 1113 lpm	Max Torque	1491 Nm	1207 Nm
Speed Range	223 - 520 rpm	Speed (Max Diff. & Flow)	427 rpm	366 rpm
Rotation	0.4676 rev/liter	Max HP	67 kW	45 kW
Off-Bottom Pressure	689 kPa	Stall Diff. Pressure	8687 kPa	
		Stall Torque	2346 Nm	

Dyno Performance

Elastomer Performance

	007		VPX	
	Minor	Nominal Fit	Minor	Nominal Fit
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	47.65	-0.38	47.88	-0.61
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.