



# VIKING

Power Technologies

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## Coil Tubing Power Section

287 56 47

2.87" OD 5/6 Lobes 4.7 Stages

### Rotor Specification

Overall Length	92.00 in.
Contour Length	88.00 in.
Head Length	4.00 in.
Head Diameter	1.88 in.
Major Diameter	1.909 in.
Eccentric	0.136 in.
Material	17-4 PH
Weight	57 lbs.
Thread Form	Contact Factory

### Stator Specification

Overall Length	105.00 in.
Contour Length	85.00 in.
Tube O.D.	2.87 in.
Tube I.D.	2.37 in.
Cutback (Band / Non-Band)	4.00 / 16.00 in.
Stages	4.7
Material	4140 HT
Weight	67 lbs.
Thread Form	Contact Factory

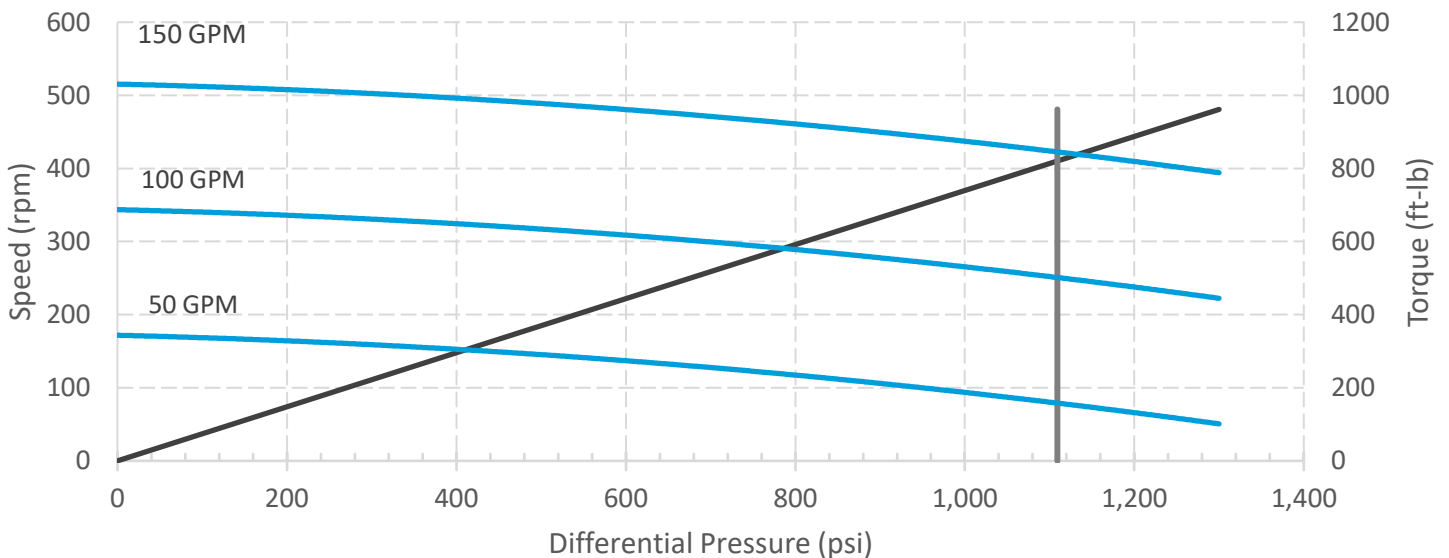
### Downhole Performance Specifications

Torque Slope	0.74 ft-lbs/psi	Max Diff. Pressure	1,110 psi	1,110 psi
Flow Range	50 - 150 gpm	Max Torque	820 ft-lbs	660 ft-lbs
Speed Range	172 - 515 rpm	Speed (Max Diff. & Flow)	423 rpm	363 rpm
Rotation	3.436 rev/gal	Max HP	65 hp	45 hp
Off-Bottom Pressure	80 psi	Stall Diff. Pressure	1,740 psi	
		Stall Torque	1,290 ft-lbs	

### Dyno Performance

### Elastomer Performance

	007		VPX	
	Minor	Nominal Fit	Minor	Nominal Fit
	Temperature Slope 0.000209 in/°F		Temperature Slope 0.000255 in/°F	
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	1.655	-0.018	1.670	-0.033
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	2336.8 mm
Contour Length	2235.2 mm
Head Length	101.6 mm
Head Diameter	47.75 mm
Major Diameter	48.49 mm
Eccentric	3.45 mm
Material	17-4 PH
Weight	26 kgs
Thread Form	Contact Factory

**Stator Specification**

Overall Length	2667.0 mm
Contour Length	2159.0 mm
Tube O.D.	72.9 mm
Tube I.D.	60.2 mm
Cutback (Band / Non-Band)	101.6 / 406.4 mm
Stages	4.7
Material	4140 HT
Weight	30 kgs
Thread Form	Contact Factory

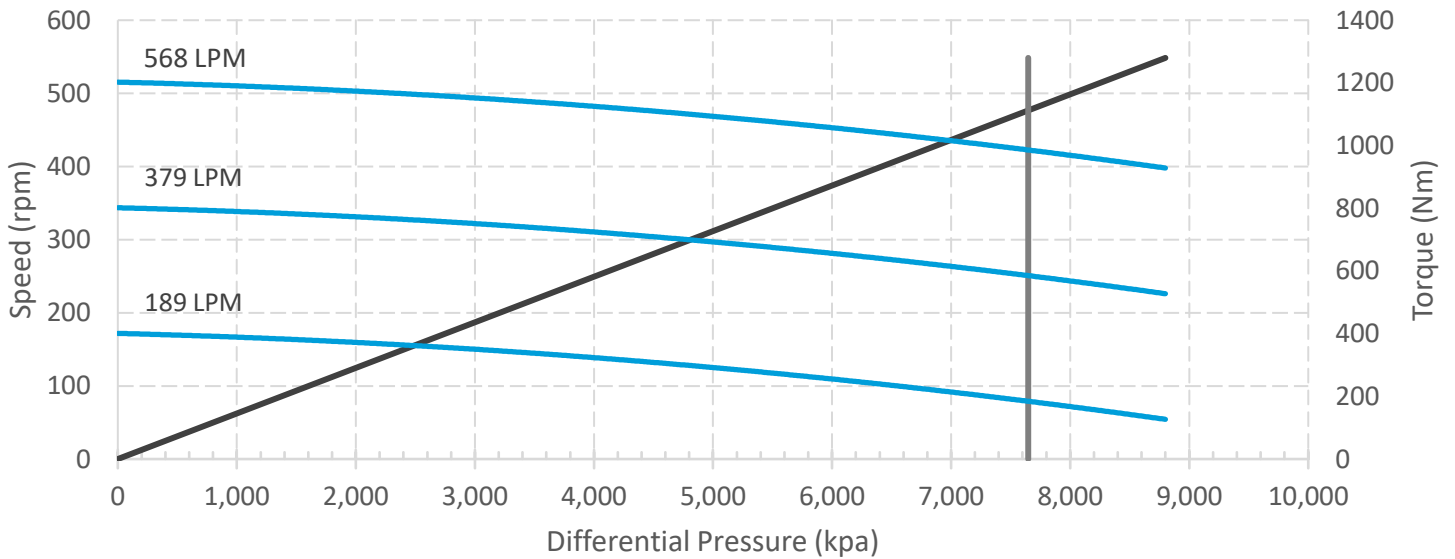
**Downhole Performance Specifications**

Torque Slope	0.15 Nm/kPa	Max Diff. Pressure	7653 kPa	7653 kPa
Flow Range	189 - 568 lpm	Max Torque	1112 Nm	895 Nm
Speed Range	172 - 515 rpm	Speed (Max Diff. & Flow)	423 rpm	363 rpm
Rotation	0.9077 rev/liter	Max HP	48 kW	34 kW
Off-Bottom Pressure	552 kPa	Stall Diff. Pressure	11997 kPa	
		Stall Torque	1749 Nm	

**Dyno Performance**

**Elastomer Performance**

	007		VPX	
	Minor	Nominal Fit	Minor	Nominal Fit
1.0 Undersize				
Standard				
0.5 Oversize				
1.0 Oversize	42.04	-0.46	42.42	-0.84
1.5 Oversize				
2.0 Oversize				



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