



VIKING

Power Technologies

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

Conventional Power Section

500 67 88

5.00" OD 6/7 Lobes 8.8 Stages

Rotor Specification

Overall Length	265.00 in.
Contour Length	258.00 in.
Head Length	7.00 in.
Head Diameter	3.40 in.
Major Diameter	3.298 in.
Eccentric	0.217 in.
Material	17-4 PH
Weight	491 lbs.
Thread Form	Contact Factory

Stator Specification

Overall Length	275.00 in.
Contour Length	259.00 in.
Tube O.D.	5.00 in.
Tube I.D.	4.00 in.
Cutback (Band / Non-Band)	8.00 / 8.00 in.
Stages	8.8
Material	4140 HT
Weight	596 lbs.
Thread Form	Contact Factory

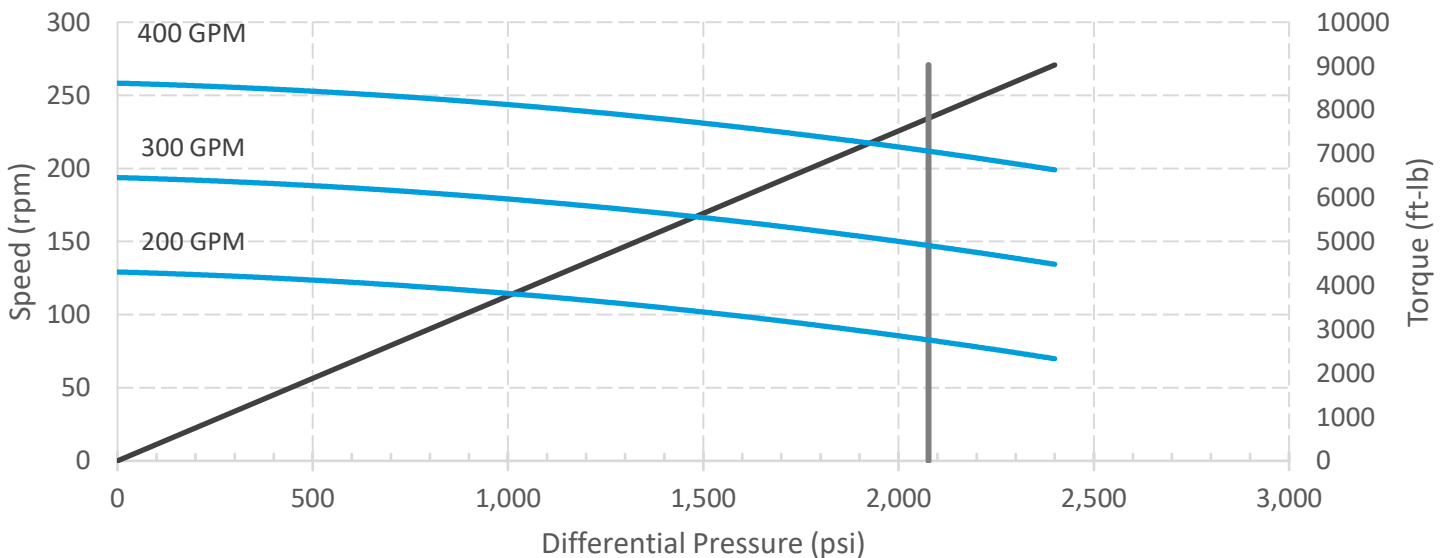
Downhole Performance Specifications

Torque Slope	3.76 ft-lbs/psi	Max Diff. Pressure	2,080 psi	2,080 psi
Flow Range	200 - 400 gpm	Max Torque	7,810 ft-lbs	6,300 ft-lbs
Speed Range	129 - 258 rpm	Speed (Max Diff. & Flow)	212 rpm	182 rpm
Rotation	0.646 rev/gal	Max HP	315 hp	220 hp
Off-Bottom Pressure	125 psi	Stall Diff. Pressure	3,260 psi	
		Stall Torque	12,260 ft-lbs	

Dyno Performance

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
	Temperature Slope 0.000236 in/°F			Temperature Slope 0.000288 in/°F		
1.0 Undersize						
Standard	2.860	0.004	115 - 220 °F	2.878	-0.014	170 - 255 °F
0.5 Oversize	2.871	-0.007	160 - 265 °F	2.888	-0.024	200 - 290 °F
1.0 Oversize						
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	6731.0 mm
Contour Length	6553.2 mm
Head Length	177.8 mm
Head Diameter	86.36 mm
Major Diameter	83.77 mm
Eccentric	5.51 mm
Material	17-4 PH
Weight	223 kgs
Thread Form	Contact Factory

Stator Specification

Overall Length	6985.0 mm
Contour Length	6578.6 mm
Tube O.D.	127.0 mm
Tube I.D.	101.6 mm
Cutback (Band / Non-Band)	203.2 / 203.2 mm
Stages	8.8
Material	4140 HT
Weight	270 kgs
Thread Form	Contact Factory

Downhole Performance Specifications

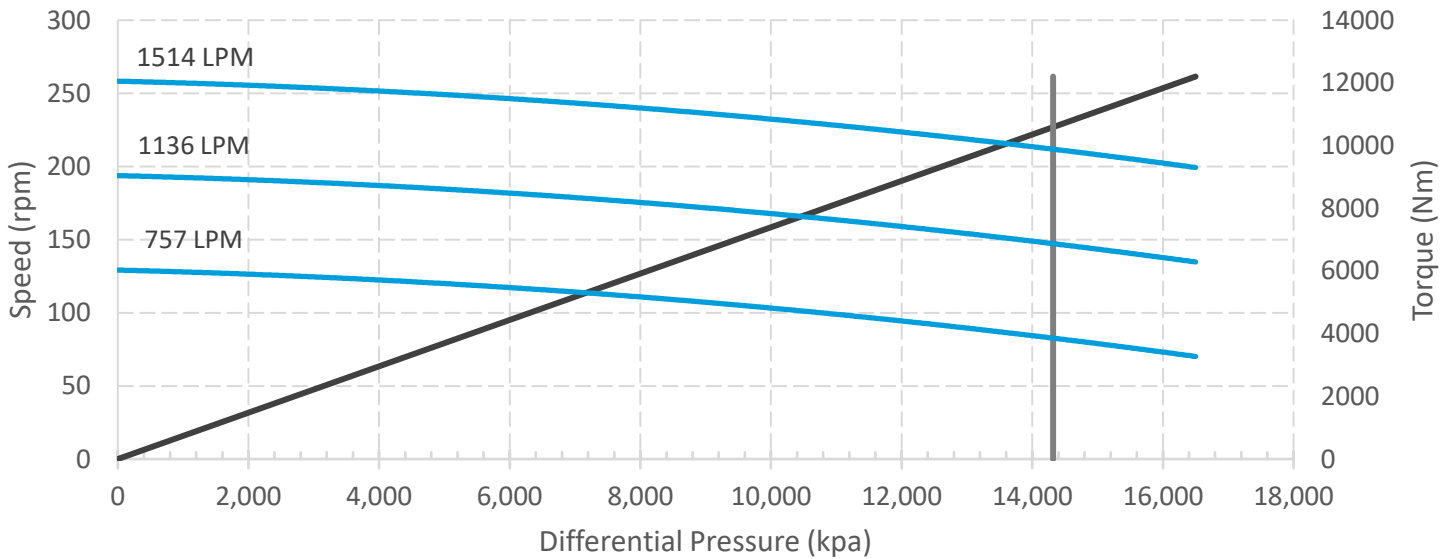
Torque Slope	0.74 Nm/kPa
Flow Range	757 - 1514 lpm
Speed Range	129 - 258 rpm
Rotation	0.1707 rev/liter
Off-Bottom Pressure	862 kPa

Dyno Performance

Max Diff. Pressure	14341 kPa
Max Torque	10589 Nm
Speed (Max Diff. & Flow)	212 rpm
Max HP	235 kW
Stall Diff. Pressure	22477 kPa
Stall Torque	16622 Nm

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	72.64	0.10	46 - 104 °C	73.10	-0.36	77 - 124 °C
0.5 Oversize	72.92	-0.18	71 - 129 °C	73.36	-0.61	93 - 143 °C
1.0 Oversize						
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.