



VIKING

Power Technologies

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

Conventional Power Section

662 67 76

6.62" OD 6/7 Lobes 7.6 Stages

Rotor Specification

Overall Length	272.00 in.
Contour Length	264.00 in.
Head Length	8.00 in.
Head Diameter	4.60 in.
Major Diameter	4.378 in.
Eccentric	0.275 in.
Material	17-4 PH
Weight	923 lbs.
Thread Form	Contact Factory

Stator Specification

Overall Length	285.00 in.
Contour Length	269.00 in.
Tube O.D.	6.62 in.
Tube I.D.	5.62 in.
Cutback (Band / Non-Band)	8.00 / 8.00 in.
Stages	7.6
Material	4140 HT
Weight	885 lbs.
Thread Form	Contact Factory

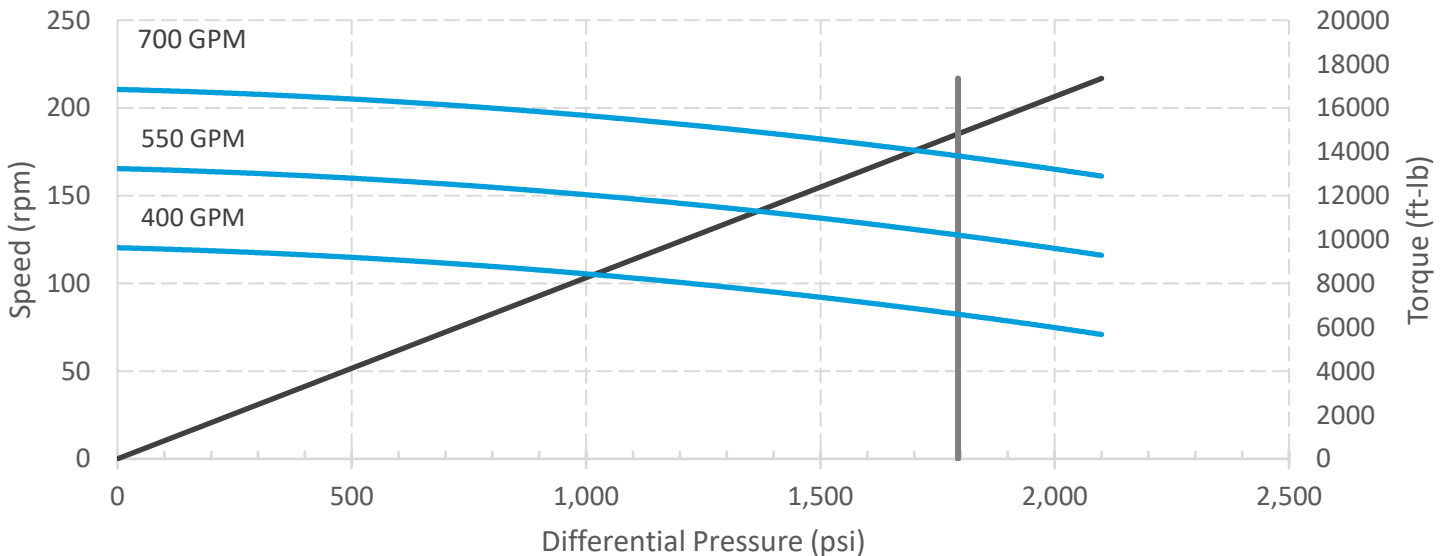
Downhole Performance Specifications

Torque Slope	8.26 ft-lbs/psi	Max Diff. Pressure	1,790 psi	1,790 psi
Flow Range	400 - 700 gpm	Max Torque	14,820 ft-lbs	11,950 ft-lbs
Speed Range	120 - 211 rpm	Speed (Max Diff. & Flow)	173 rpm	148 rpm
Rotation	0.301 rev/gal	Max HP	485 hp	340 hp
Off-Bottom Pressure	140 psi	Stall Diff. Pressure	2,810 psi	
		Stall Torque	23,210 ft-lbs	

Dyno Performance

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	3.831	-0.003	140 - 250 °F	3.853	-0.025	185 - 275 °F
0.5 Oversize						
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.

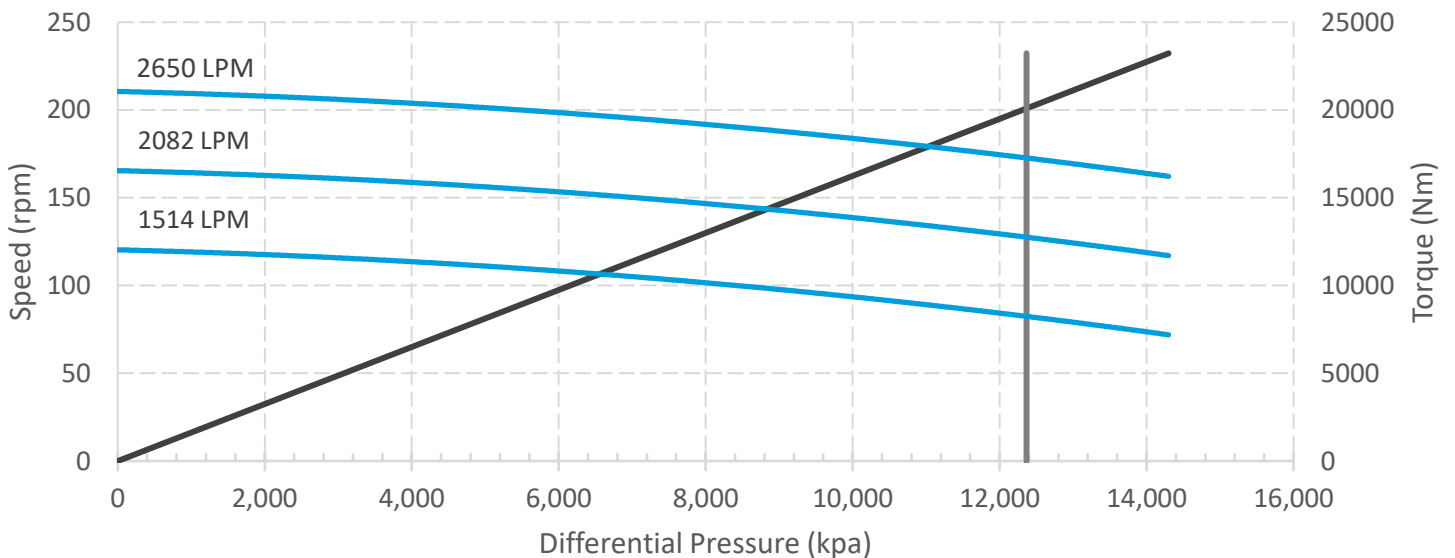


Rotor Specification	
Overall Length	6908.8 mm
Contour Length	6705.6 mm
Head Length	203.2 mm
Head Diameter	116.84 mm
Major Diameter	111.20 mm
Eccentric	6.99 mm
Material	17-4 PH
Weight	419 kgs
Thread Form	Contact Factory

Stator Specification	
Overall Length	7239.0 mm
Contour Length	6832.6 mm
Tube O.D.	168.1 mm
Tube I.D.	142.7 mm
Cutback (Band / Non-Band)	203.2 / 203.2 mm
Stages	7.6
Material	4140 HT
Weight	401 kgs
Thread Form	Contact Factory

Downhole Performance Specifications				Dyno Performance	
Torque Slope	1.62 Nm/kPa	Max Diff. Pressure	12342 kPa		12342 kPa
Flow Range	1514 - 2650 lpm	Max Torque	20093 Nm		16202 Nm
Speed Range	120 - 211 rpm	Speed (Max Diff. & Flow)	173 rpm		148 rpm
Rotation	0.0795 rev/liter	Max HP	362 kW		254 kW
Off-Bottom Pressure	965 kPa	Stall Diff. Pressure	19374 kPa		
		Stall Torque	31469 Nm		

Elastomer Performance						
	007			VPX		
	Temperature Slope 0.013945 mm/°C			Temperature Slope 0.017054 mm/°C		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	97.31	-0.08	60 - 121 °C	97.87	-0.64	85 - 135 °C
0.5 Oversize						
1.0 Oversize						
1.5 Oversize						
2.0 Oversize						



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