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

Conventional Power Section

500 89 60

5.00" OD 8/9 Lobes 6.0 Stages

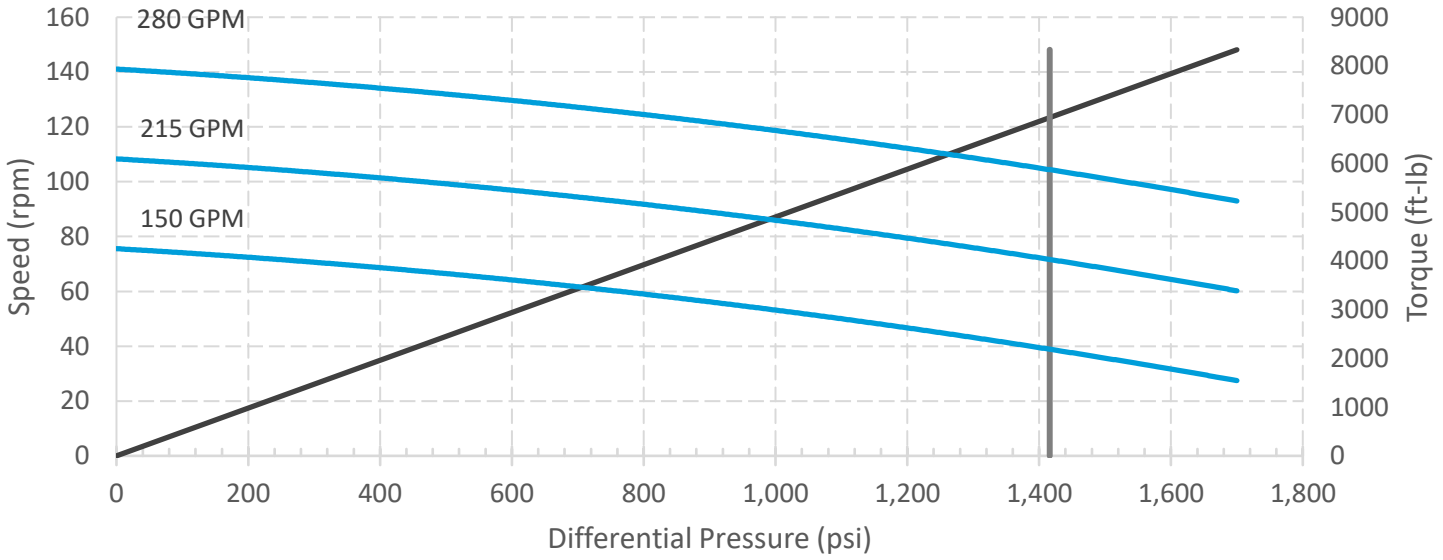
Rotor Specification	
Overall Length	241.00 in.
Contour Length	235.00 in.
Head Length	6.00 in.
Head Diameter	3.38 in.
Major Diameter	3.198 in.
Eccentric	0.163 in.
Material	17-4 PH
Weight	449 lbs.
Thread Form	Contact Factory

Stator Specification	
Overall Length	250.00 in.
Contour Length	234.00 in.
Tube O.D.	5.00 in.
Tube I.D.	4.00 in.
Cutback (Band / Non-Band)	8.00 / 8.00 in.
Stages	6.0
Material	4140 HT
Weight	546 lbs.
Thread Form	Contact Factory

Downhole Performance Specifications			
Torque Slope	4.90 ft-lbs/psi	Max Diff. Pressure	1,420 psi
Flow Range	150 - 280 gpm	Max Torque	6,940 ft-lbs
Speed Range	76 - 141 rpm	Speed (Max Diff. & Flow)	104 rpm
Rotation	0.504 rev/gal	Max HP	140 hp
Off-Bottom Pressure	70 psi	Stall Diff. Pressure	2,230 psi
		Stall Torque	10,930 ft-lbs

Elastomer Performance

	007 Temperature Slope 0.000219 in/°F			VPX Temperature Slope 0.000267 in/°F		
	Minor	**Nominal Fit**	**Optimal Temperature**	**Minor**	**Nominal Fit**	**Optimal Temperature**
0.5 Undersize	2.860	0.012	75 - 165 °F	2.876	-0.004	130 - 205 °F
Standard	2.878	-0.006	150 - 245 °F	2.893	-0.021	190 - 270 °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.

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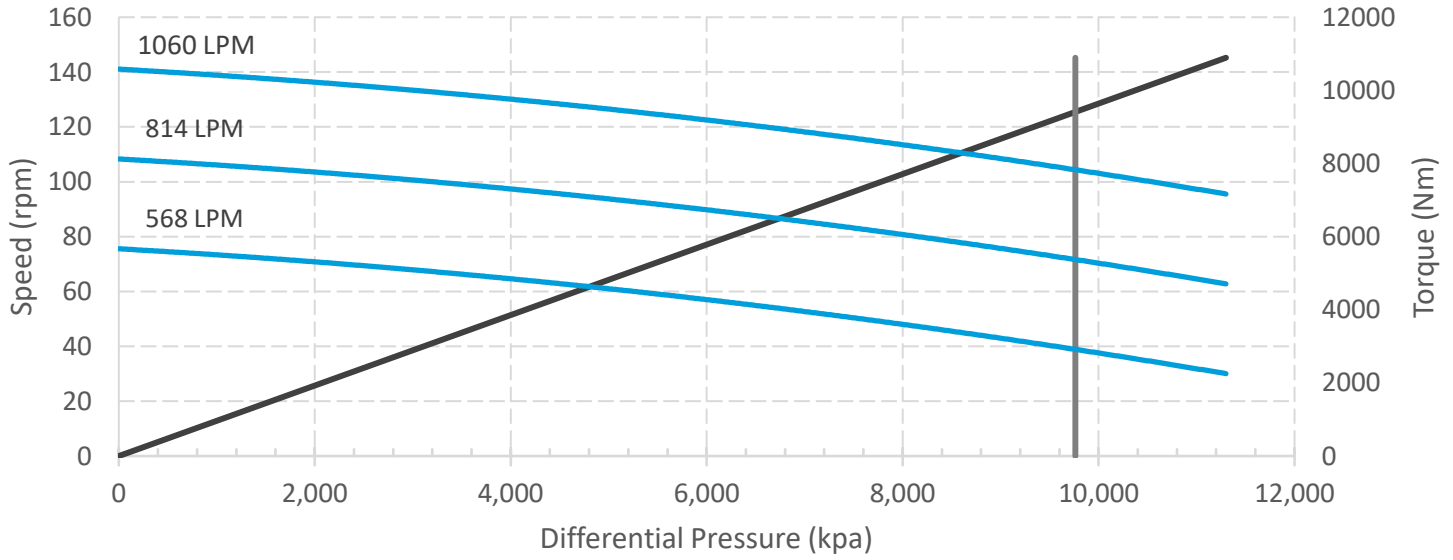
Rotor Specification	
Overall Length	6121.4 mm
Contour Length	5969.0 mm
Head Length	152.4 mm
Head Diameter	85.85 mm
Major Diameter	81.23 mm
Eccentric	4.14 mm
Material	17-4 PH
Weight	203 kgs
Thread Form	Contact Factory

Stator Specification	
Overall Length	6350.0 mm
Contour Length	5943.6 mm
Tube O.D.	127.0 mm
Tube I.D.	101.6 mm
Cutback (Band / Non-Band)	203.2 / 203.2 mm
Stages	6.0
Material	4140 HT
Weight	248 kgs
Thread Form	Contact Factory

Downhole Performance Specifications			
Torque Slope	0.96 Nm/kPa	Max Diff. Pressure	9791 kPa
Flow Range	568 - 1060 lpm	Max Torque	9409 Nm
Speed Range	76 - 141 rpm	Speed (Max Diff. & Flow)	104 rpm
Rotation	0.1331 rev/liter	Max HP	104 kW
Off-Bottom Pressure	483 kPa	Stall Diff. Pressure	15375 kPa
		Stall Torque	14819 Nm

Elastomer Performance

	007 Temperature Slope 0.010013 mm/°C			VPX Temperature Slope 0.012207 mm/°C		
	Minor	**Nominal Fit**	**Optimal Temperature**	**Minor**	**Nominal Fit**	**Optimal Temperature**
0.5 Undersize	72.64	0.30	24 - 74 °C	73.05	-0.10	54 - 96 °C
Standard	73.10	-0.15	66 - 118 °C	73.48	-0.53	88 - 132 °C
0.5 Oversize						
1.0 Oversize						
1.5 Oversize						
2.0 Oversize						



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