

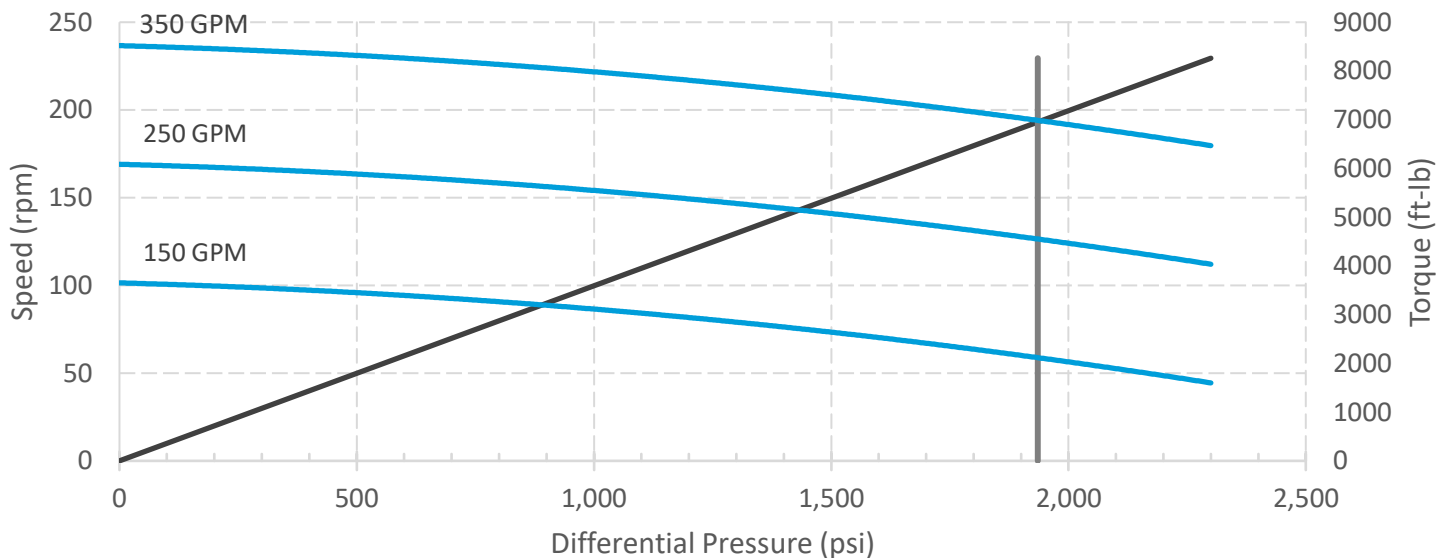
5203 Aeropark Dr., Houston, TX 77032 USA

Tel: (832)-957-3200 Email: sales@vikingpt.com

Rotor Specification		Stator Specification	
Overall Length	235.00 in.	Overall Length	250.00 in.
Contour Length	229.00 in.	Contour Length	234.00 in.
Head Length	6.00 in.	Tube O.D.	5.00 in.
Head Diameter	3.40 in.	Tube I.D.	4.00 in.
Major Diameter	3.354 in.	Cutback (Band / Non-Band)	8.00 / 8.00 in.
Eccentric	0.173 in.	Stages	8.2
Material	17-4 PH	Material	4140 HT
Weight	490 lbs.	Weight	537 lbs.
Thread Form	Contact Factory	Thread Form	Contact Factory

Downhole Performance Specifications				Dyno Performance	
Torque Slope	3.59 ft-lbs/psi	Max Diff. Pressure	1,940 psi		1,940 psi
Flow Range	150 - 350 gpm	Max Torque	6,950 ft-lbs		5,610 ft-lbs
Speed Range	101 - 237 rpm	Speed (Max Diff. & Flow)	194 rpm		166 rpm
Rotation	0.676 rev/gal	Max HP	255 hp		180 hp
Off-Bottom Pressure	115 psi	Stall Diff. Pressure	3,040 psi		
		Stall Torque	10,920 ft-lbs		

Elastomer Performance						
	007			VPX		
	Temperature Slope 0.000186 in/°F			Temperature Slope 0.000227 in/°F		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	3.009	-0.001	130 - 230 °F	3.023	-0.015	180 - 260 °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.



VIKING

Power Technologies

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Conventional Power Section

500 78 82

5.00" OD 7/8 Lobes 8.2 Stages

Rotor Specification

Overall Length	5969.0 mm
Contour Length	5816.6 mm
Head Length	152.4 mm
Head Diameter	86.36 mm
Major Diameter	85.19 mm
Eccentric	4.39 mm
Material	17-4 PH
Weight	222 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	8.2
Material	4140 HT
Weight	243 kgs
Thread Form	Contact Factory

Downhole Performance Specifications

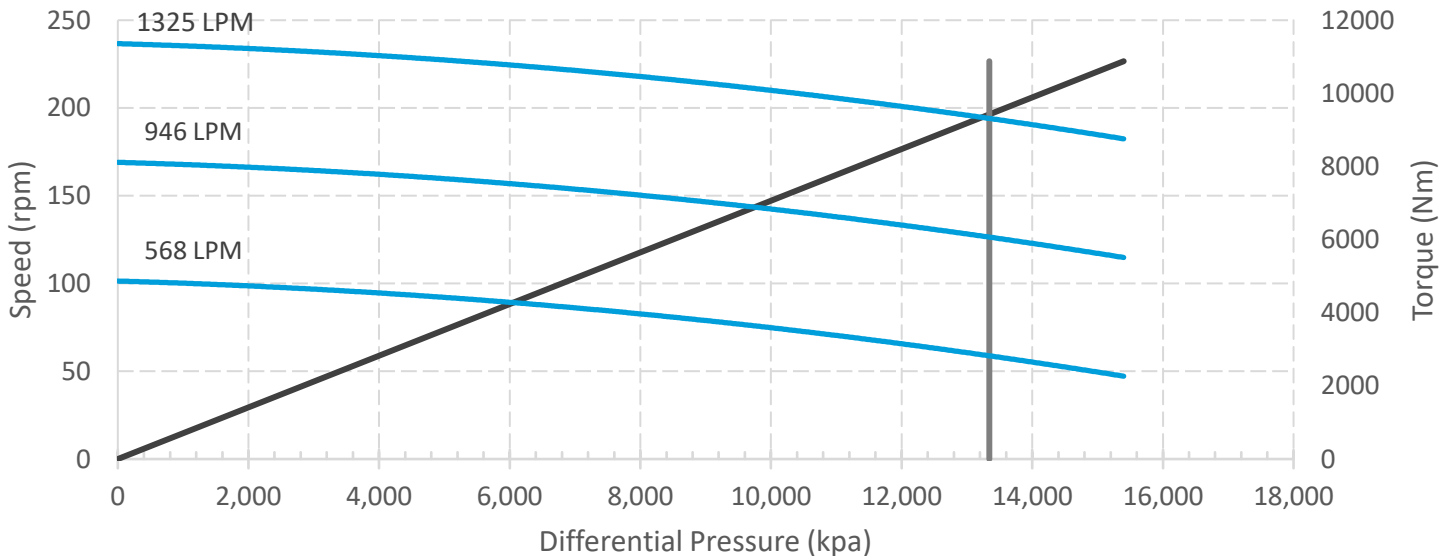
Torque Slope	0.71 Nm/kPa	Max Diff. Pressure	13376 kPa
Flow Range	568 - 1325 lpm	Max Torque	9423 Nm
Speed Range	101 - 237 rpm	Speed (Max Diff. & Flow)	194 rpm
Rotation	0.1786 rev/liter	Max HP	190 kW
Off-Bottom Pressure	793 kPa	Stall Diff. Pressure	20960 kPa
		Stall Torque	14806 Nm

Dyno Performance

	13376 kPa
	7606 Nm
	166 rpm
	134 kW

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	76.43	-0.03	54 - 110 °C	76.78	-0.38	82 - 127 °C
0.5 Oversize						
1.0 Oversize						
1.5 Oversize						
2.0 Oversize						



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