



VIKING

Power Technologies

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

Conventional Power Section

962 56 40

9.62" OD 5/6 Lobes 4.0 Stages

Rotor Specification

Overall Length	218.00 in.
Contour Length	210.00 in.
Head Length	8.00 in.
Head Diameter	5.50 in.
Major Diameter	6.241 in.
Eccentric	0.450 in.
Material	17-4 PH
Weight	1,427 lbs.
Thread Form	Contact Factory

Stator Specification

Overall Length	228.00 in.
Contour Length	208.00 in.
Tube O.D.	9.62 in.
Tube I.D.	7.87 in.
Cutback (Band / Non-Band)	10.00 / 10.00 in.
Stages	4.0
Material	4140 HT
Weight	1,708 lbs.
Thread Form	Contact Factory

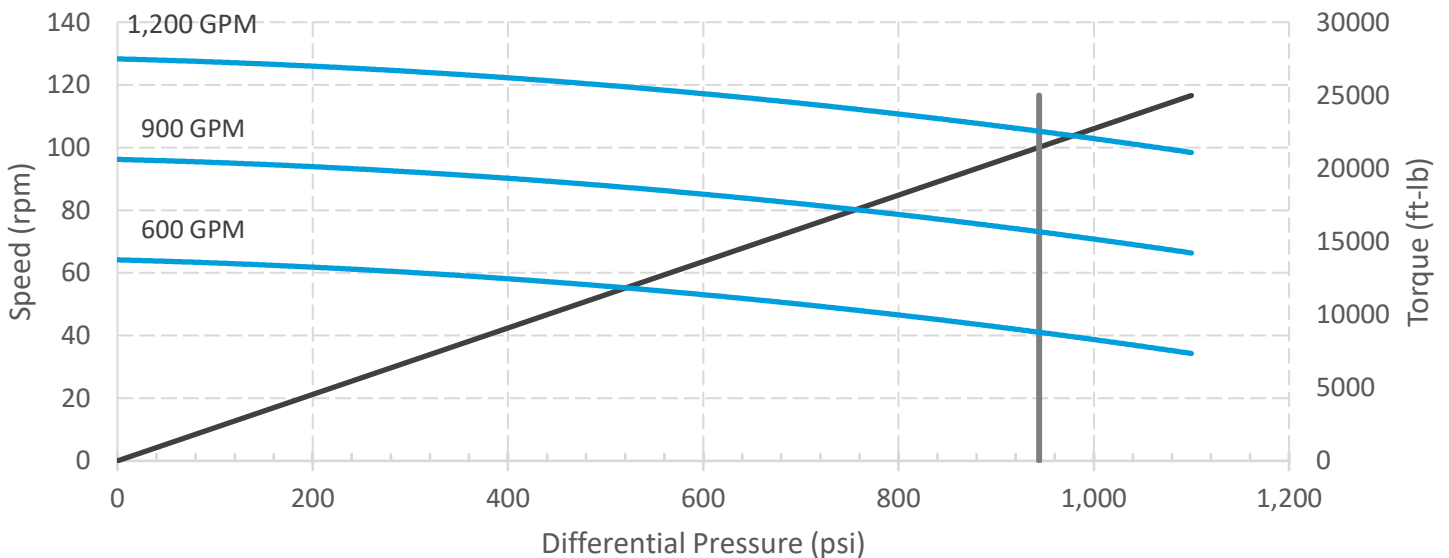
Downhole Performance Specifications

Torque Slope	22.72 ft-lbs/psi	Max Diff. Pressure	940 psi		940 psi
Flow Range	600 - 1,200 gpm	Max Torque	21,450 ft-lbs		17,300 ft-lbs
Speed Range	64 - 128 rpm	Speed (Max Diff. & Flow)	105 rpm		90 rpm
Rotation	0.107 rev/gal	Max HP	430 hp		295 hp
Off-Bottom Pressure	170 psi	Stall Diff. Pressure	1,470 psi		
		Stall Torque	33,400 ft-lbs		

Dyno Performance

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	5.321	0.020	85 - 220 °F	5.347	-0.006	145 - 250 °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	5537.2 mm
Contour Length	5334.0 mm
Head Length	203.2 mm
Head Diameter	139.70 mm
Major Diameter	158.52 mm
Eccentric	11.43 mm
Material	17-4 PH
Weight	647 kgs
Thread Form	Contact Factory

Stator Specification

Overall Length	5791.2 mm
Contour Length	5283.2 mm
Tube O.D.	244.3 mm
Tube I.D.	199.9 mm
Cutback (Band / Non-Band)	254.0 / 254.0 mm
Stages	4.0
Material	4140 HT
Weight	775 kgs
Thread Form	Contact Factory

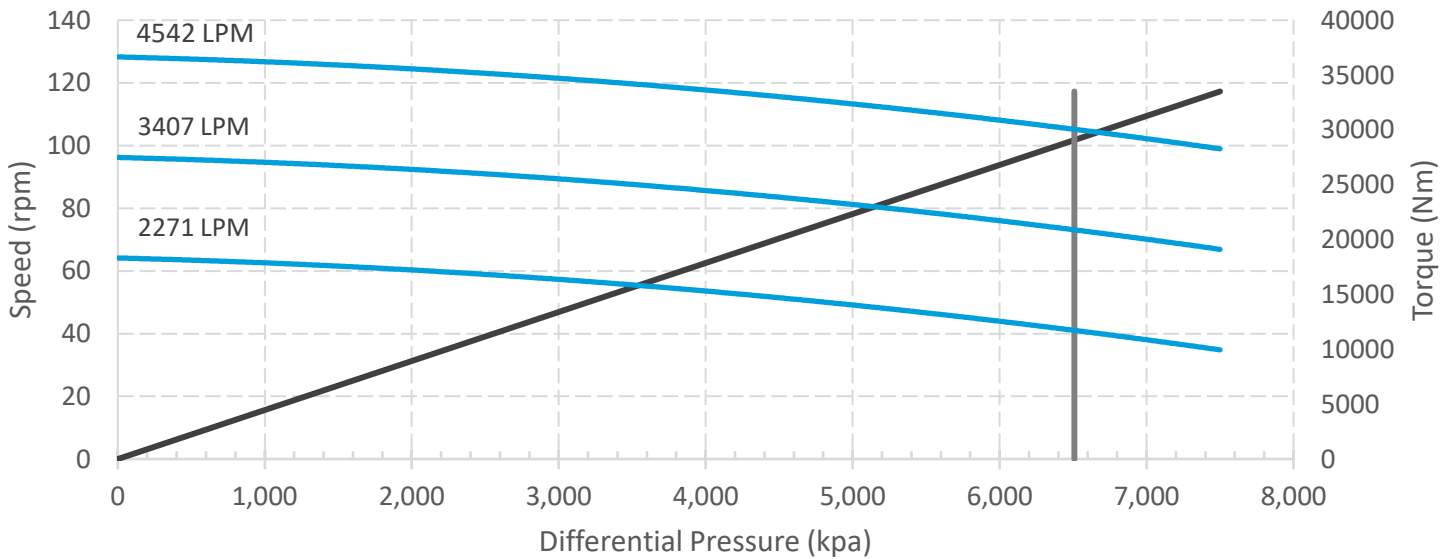
Downhole Performance Specifications

Torque Slope	4.47 Nm/kPa	Max Diff. Pressure	6481 kPa	6481 kPa
Flow Range	2271 - 4542 lpm	Max Torque	29082 Nm	23456 Nm
Speed Range	64 - 128 rpm	Speed (Max Diff. & Flow)	105 rpm	90 rpm
Rotation	0.0283 rev/liter	Max HP	321 kW	220 kW
Off-Bottom Pressure	1,172 kPa	Stall Diff. Pressure	10135 kPa	
		Stall Torque	45284 Nm	

Dyno Performance

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
	Temperature Slope 0.016231 mm/°C			Temperature Slope 0.019842 mm/°C		
1.0 Undersize						
Standard	135.15	0.51	29 - 104 °C	135.81	-0.15	63 - 121 °C
0.5 Oversize						
1.0 Oversize						
1.5 Oversize						
2.0 Oversize						



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