



VIKING

Power Technologies

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Conventional Power Section

800 67 60

8.00" OD 6/7 Lobes 6.0 Stages

Rotor Specification

Overall Length	293.00 in.
Contour Length	286.00 in.
Head Length	7.00 in.
Head Diameter	4.75 in.
Major Diameter	4.958 in.
Eccentric	0.336 in.
Material	17-4 PH
Weight	1,198 lbs.
Thread Form	Contact Factory

Stator Specification

Overall Length	300.00 in.
Contour Length	284.00 in.
Tube O.D.	8.00 in.
Tube I.D.	6.25 in.
Cutback (Band / Non-Band)	8.00 / 8.00 in.
Stages	6.0
Material	4140 HT
Weight	1,806 lbs.
Thread Form	Contact Factory

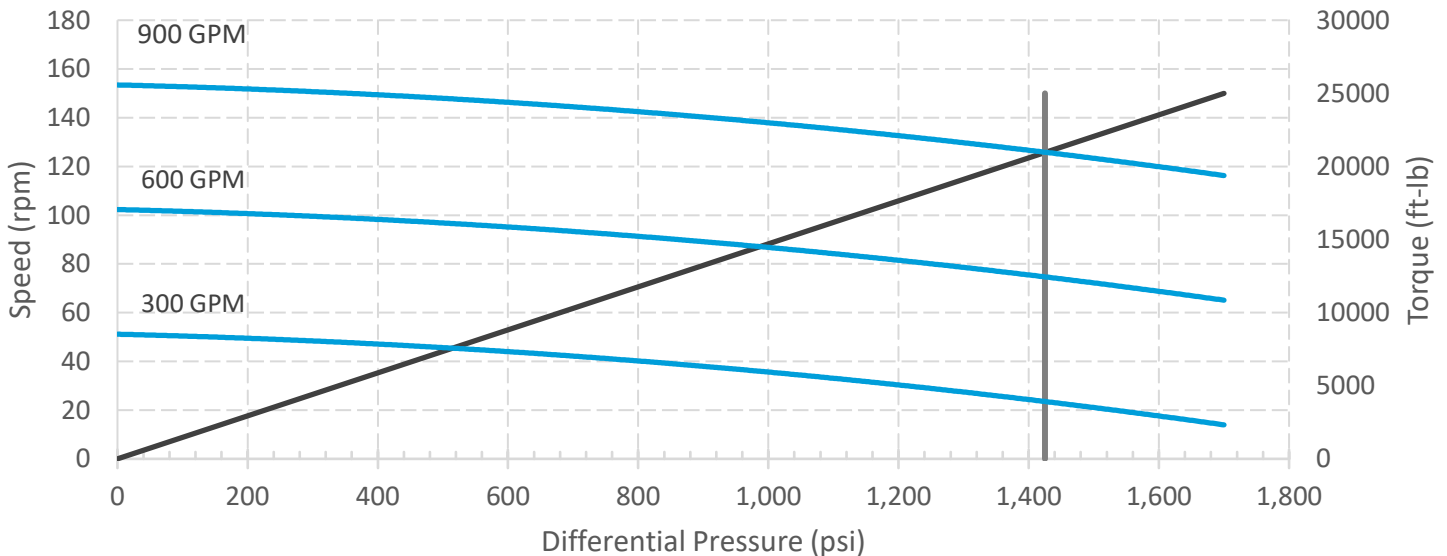
Downhole Performance Specifications

Torque Slope	14.70 ft-lbs/psi	Max Diff. Pressure	1,430 psi	1,430 psi
Flow Range	300 - 900 gpm	Max Torque	20,950 ft-lbs	16,900 ft-lbs
Speed Range	51 - 153 rpm	Speed (Max Diff. & Flow)	126 rpm	108 rpm
Rotation	0.170 rev/gal	Max HP	500 hp	350 hp
Off-Bottom Pressure	120 psi	Stall Diff. Pressure	2,240 psi	
		Stall Torque	32,940 ft-lbs	

Dyno Performance

Elastomer Performance

	007			VPX		
	Temperature Slope 0.000332 in/°F			Temperature Slope 0.000406 in/°F		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize	4.283	0.003	120 - 230 °F	4.307	-0.021	170 - 260 °F
Standard						
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	7442.2 mm
Contour Length	7264.4 mm
Head Length	177.8 mm
Head Diameter	120.65 mm
Major Diameter	125.93 mm
Eccentric	8.53 mm
Material	17-4 PH
Weight	543 kgs
Thread Form	Contact Factory

Stator Specification

Overall Length	7620.0 mm
Contour Length	7213.6 mm
Tube O.D.	203.2 mm
Tube I.D.	158.8 mm
Cutback (Band / Non-Band)	203.2 / 203.2 mm
Stages	6.0
Material	4140 HT
Weight	819 kgs
Thread Form	Contact Factory

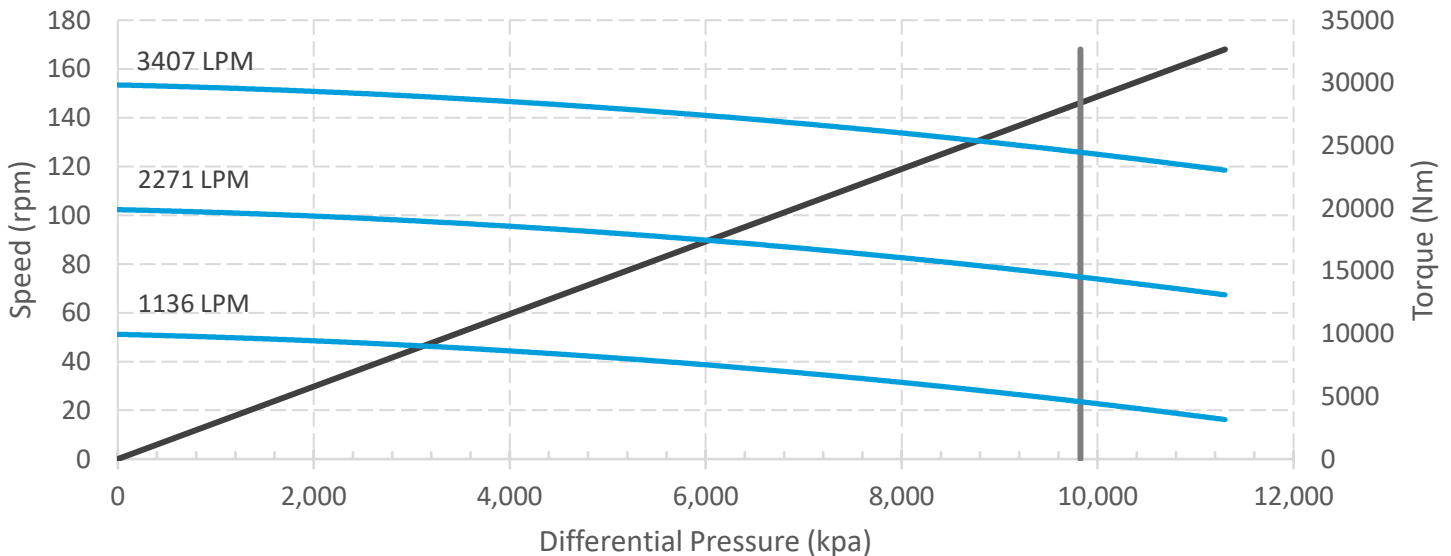
Downhole Performance Specifications

Torque Slope	2.89 Nm/kPa	Max Diff. Pressure	9860 kPa	9860 kPa
Flow Range	1136 - 3407 lpm	Max Torque	28404 Nm	22913 Nm
Speed Range	51 - 153 rpm	Speed (Max Diff. & Flow)	126 rpm	108 rpm
Rotation	0.0449 rev/liter	Max HP	373 kW	261 kW
Off-Bottom Pressure	827 kPa	Stall Diff. Pressure	15444 kPa	
		Stall Torque	44661 Nm	

Dyno Performance

Elastomer Performance

	007			VPX		
	Temperature Slope 0.015179 mm/°C			Temperature Slope 0.018562 mm/°C		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize	108.79	0.08	49 - 110 °C	109.40	-0.53	77 - 127 °C
Standard						
0.5 Oversize						
1.0 Oversize						
1.5 Oversize						
2.0 Oversize						



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