



VIKING

Power Technologies

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Conventional Power Section

675 67 60

6.75" OD 6/7 Lobes 6.0 Stages

Rotor Specification

Overall Length	242.00 in.
Contour Length	236.00 in.
Head Length	6.00 in.
Head Diameter	4.00 in.
Major Diameter	4.317 in.
Eccentric	0.288 in.
Material	17-4 PH
Weight	754 lbs.
Thread Form	Contact Factory

Stator Specification

Overall Length	250.00 in.
Contour Length	234.00 in.
Tube O.D.	6.75 in.
Tube I.D.	5.50 in.
Cutback (Band / Non-Band)	8.00 / 8.00 in.
Stages	6.0
Material	4140 HT
Weight	944 lbs.
Thread Form	Contact Factory

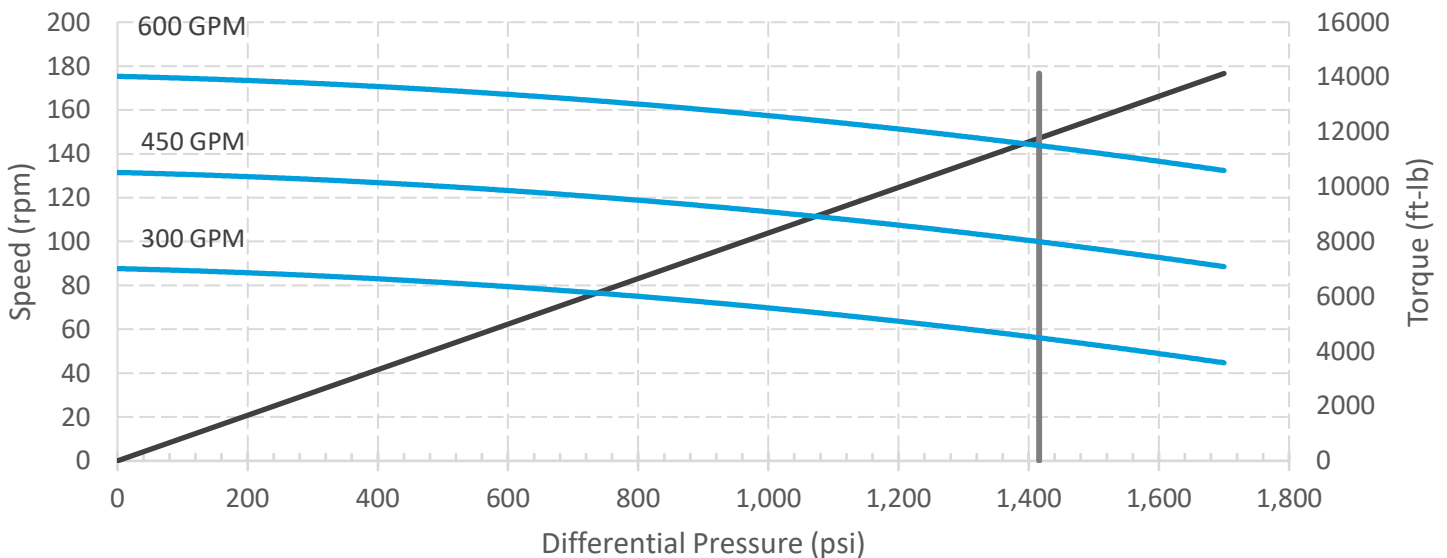
Downhole Performance Specifications

Torque Slope	8.31 ft-lbs/psi	Max Diff. Pressure	1,420 psi	1,420 psi
Flow Range	300 - 600 gpm	Max Torque	11,770 ft-lbs	9,490 ft-lbs
Speed Range	88 - 175 rpm	Speed (Max Diff. & Flow)	144 rpm	124 rpm
Rotation	0.292 rev/gal	Max HP	320 hp	225 hp
Off-Bottom Pressure	110 psi	Stall Diff. Pressure	2,230 psi	
		Stall Torque	18,540 ft-lbs	

Dyno Performance

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	3.741	-0.001	140 - 260 °F	3.761	-0.021	190 - 285 °F
0.5 Oversize						
1.0 Oversize	3.759	-0.019	205 - 320 °F	3.779	-0.039	240 - 340 °F
1.5 Oversize						
2.0 Oversize	3.781	-0.041	285 - 320 °F	3.801	-0.061	310 - 375 °F



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	6146.8 mm
Contour Length	5994.4 mm
Head Length	152.4 mm
Head Diameter	101.60 mm
Major Diameter	109.64 mm
Eccentric	7.32 mm
Material	17-4 PH
Weight	342 kgs
Thread Form	Contact Factory

Stator Specification

Overall Length	6350.0 mm
Contour Length	5943.6 mm
Tube O.D.	171.5 mm
Tube I.D.	139.7 mm
Cutback (Band / Non-Band)	203.2 / 203.2 mm
Stages	6.0
Material	4140 HT
Weight	428 kgs
Thread Form	Contact Factory

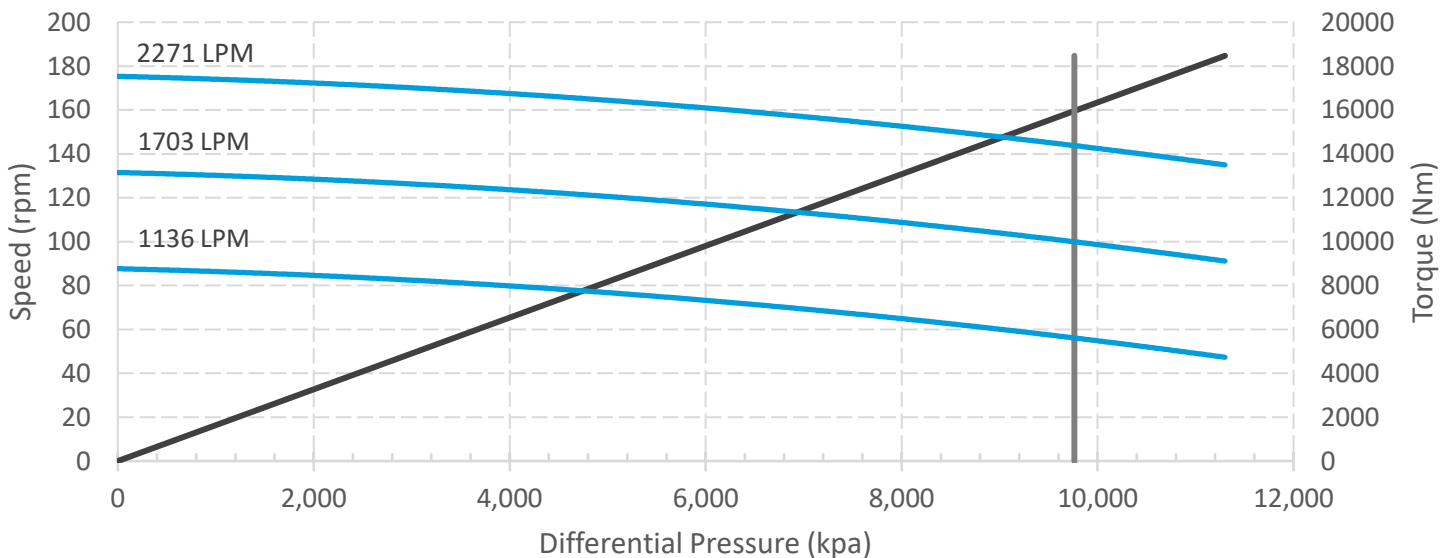
Downhole Performance Specifications

Torque Slope	1.63 Nm/kPa	Max Diff. Pressure	9791 kPa	9791 kPa
Flow Range	1136 - 2271 lpm	Max Torque	15958 Nm	12867 Nm
Speed Range	88 - 175 rpm	Speed (Max Diff. & Flow)	144 rpm	124 rpm
Rotation	0.0771 rev/liter	Max HP	239 kW	168 kW
Off-Bottom Pressure	758 kPa	Stall Diff. Pressure	15375 kPa	
		Stall Torque	25137 Nm	

Dyno Performance

Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	95.02	-0.03	60 - 127 °C	95.53	-0.53	88 - 141 °C
0.5 Oversize						
1.0 Oversize	95.48	-0.48	96 - 160 °C	95.99	-0.99	116 - 171 °C
1.5 Oversize						
2.0 Oversize	96.04	-1.04	141 - 160 °C	96.55	-1.55	154 - 191 °C



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