



# VIKING

Power Technologies

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## Conventional Power Section

700 56 95

7.00" OD 5/6 Lobes 9.5 Stages

### Rotor Specification

Overall Length	292.00 in.
Contour Length	285.00 in.
Head Length	7.00 in.
Head Diameter	4.50 in.
Major Diameter	4.558 in.
Eccentric	0.340 in.
Material	17-4 PH
Weight	997 lbs.
Thread Form	Contact Factory

### Stator Specification

Overall Length	300.00 in.
Contour Length	284.00 in.
Tube O.D.	7.00 in.
Tube I.D.	5.75 in.
Cutback (Band / Non-Band)	8.00 / 8.00 in.
Stages	9.5
Material	4140 HT
Weight	1,180 lbs.
Thread Form	Contact Factory

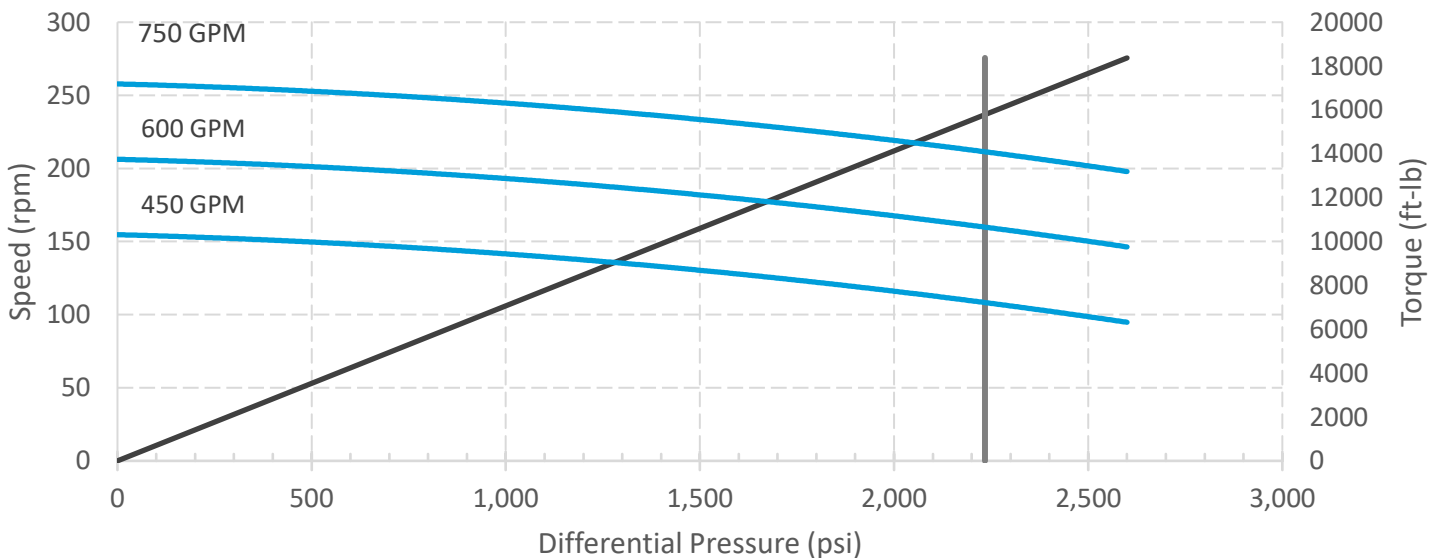
### Downhole Performance Specifications

Torque Slope	7.07 ft-lbs/psi	Max Diff. Pressure	2,230 psi	2,230 psi
Flow Range	450 - 750 gpm	Max Torque	15,790 ft-lbs	12,740 ft-lbs
Speed Range	155 - 258 rpm	Speed (Max Diff. & Flow)	211 rpm	181 rpm
Rotation	0.344 rev/gal	Max HP	635 hp	440 hp
Off-Bottom Pressure	135 psi	Stall Diff. Pressure	3,500 psi	
		Stall Torque	24,730 ft-lbs	

### Dyno Performance

### Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	3.881	-0.003	145 - 270 °F	3.902	-0.024	195 - 290 °F
0.5 Oversize						
1.0 Oversize	3.908	-0.030	240 - 320 °F	3.929	-0.051	270 - 370 °F
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	7416.8 mm
Contour Length	7239.0 mm
Head Length	177.8 mm
Head Diameter	114.30 mm
Major Diameter	115.77 mm
Eccentric	8.64 mm
Material	17-4 PH
Weight	452 kgs
Thread Form	Contact Factory

### Stator Specification

Overall Length	7620.0 mm
Contour Length	7213.6 mm
Tube O.D.	177.8 mm
Tube I.D.	146.1 mm
Cutback (Band / Non-Band)	203.2 / 203.2 mm
Stages	9.5
Material	4140 HT
Weight	535 kgs
Thread Form	Contact Factory

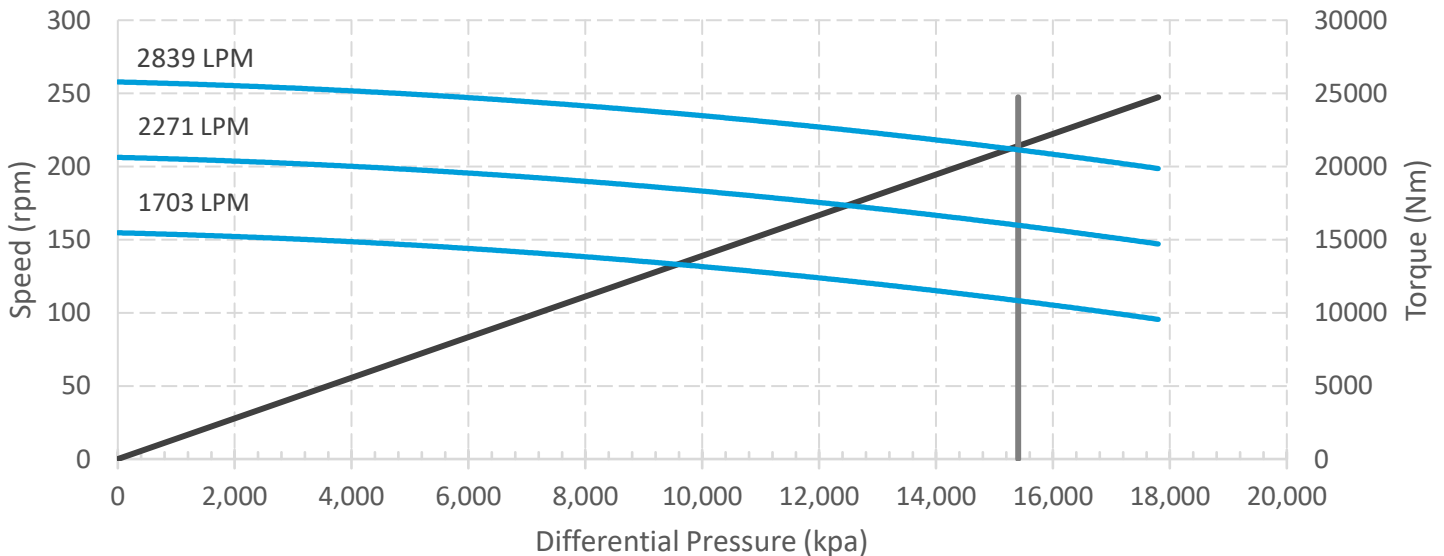
### Downhole Performance Specifications

Torque Slope	1.39 Nm/kPa	Max Diff. Pressure	15375 kPa	15375 kPa
Flow Range	1703 - 2839 lpm	Max Torque	21408 Nm	17273 Nm
Speed Range	155 - 258 rpm	Speed (Max Diff. & Flow)	211 rpm	181 rpm
Rotation	0.0909 rev/liter	Max HP	474 kW	328 kW
Off-Bottom Pressure	931 kPa	Stall Diff. Pressure	24132 kPa	
		Stall Torque	33529 Nm	

### Dyno Performance

### Elastomer Performance

	007			VPX		
	Minor	Nominal Fit	Optimal Temperature	Minor	Nominal Fit	Optimal Temperature
1.0 Undersize						
Standard	98.58	-0.08	63 - 132 °C	99.11	-0.61	91 - 143 °C
0.5 Oversize						
1.0 Oversize	99.26	-0.76	116 - 160 °C	99.80	-1.30	132 - 188 °C
1.5 Oversize						
2.0 Oversize						



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