



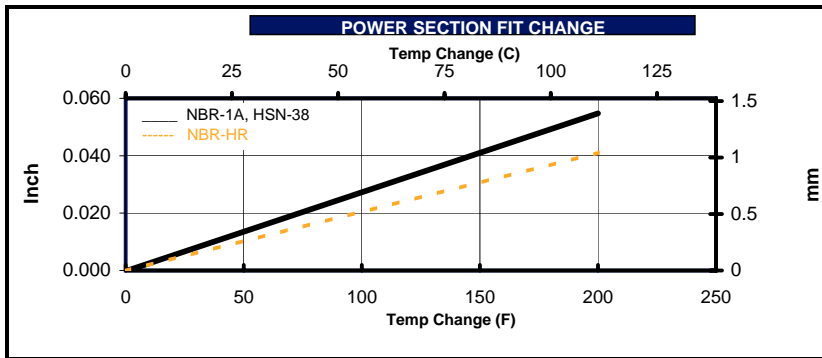
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	188.0	4775
Contour Length	181.0	4597
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.000	101.60
Weight	620 (lbs) 281.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	194.5	4940
Rubber Cut Back	7.3	184
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Alternate Length	204	5182
Weight	603 (lbs) 274 (kg)	
Number of Stages	5.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

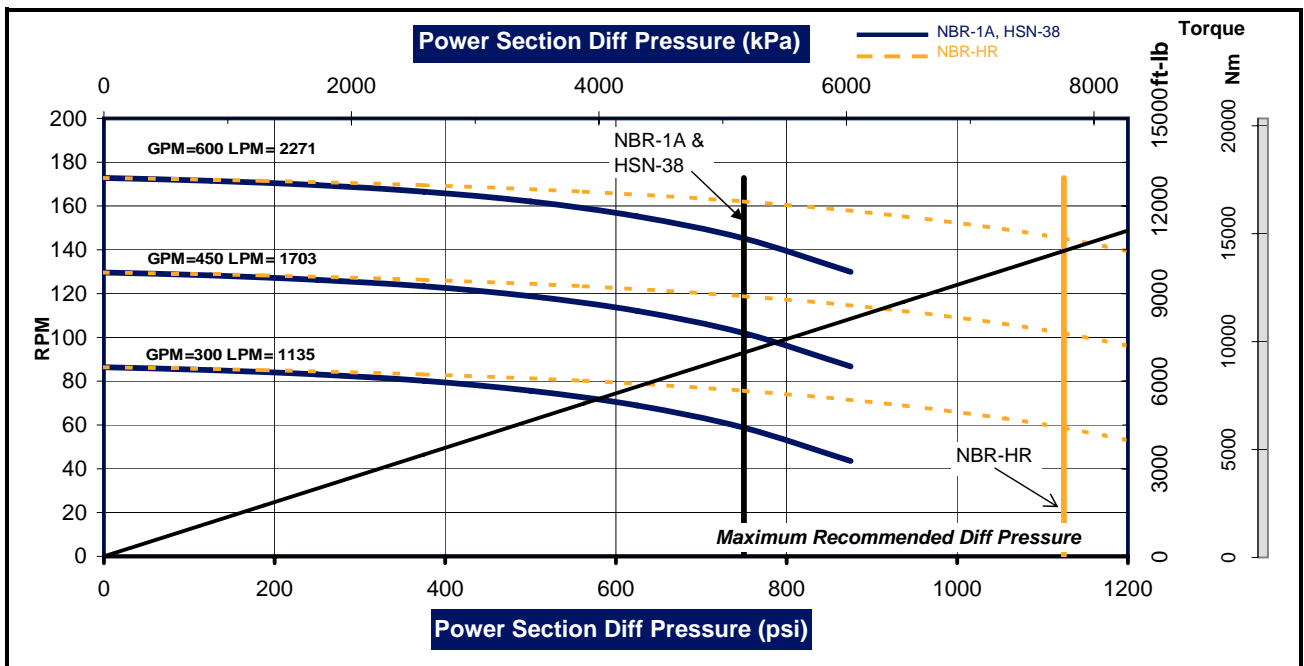
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.985	101.22
Oversize	4.010	101.85
Double Oversize	4.037	102.54
Nominal Fit at 75 F (25 C)		
Standard	0.023	0.58
Oversize	-0.002	-0.05
Double Oversize	-0.029	-0.74

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	3.987	101.27
Oversize	4.012	101.90
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.021	0.53
Oversize	-0.004	-0.10

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	9.300 ft-lb/psi	1.829 Nm/kPa	Max Diff Press psi (kPa)	750 (5170)	1130 (7760)
Flow Range	300 to 600 GPM	1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	6980 (9460)	10460 (14190)
Rotation	0.288 Rev/Gal	0.076 Rev/Litre	Stall Diff Press psi (kPa)	1130 (7760)	1690 (11630)
Speed Range	86 to 180 RPM		Stall Torque ft-lb (Nm)	10460 (14190)	15690 (21280)
Off Bottom Press	129 psi	890 kPa	Max Recommended HP(kW)	190 (142)	323 (241)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice. Power calculation is based on maximum RPM and full torque. Stator sizes subject to change without notice. Copyright 2008 Dyna-Drill® Technologies, Inc. All rights reserved.