

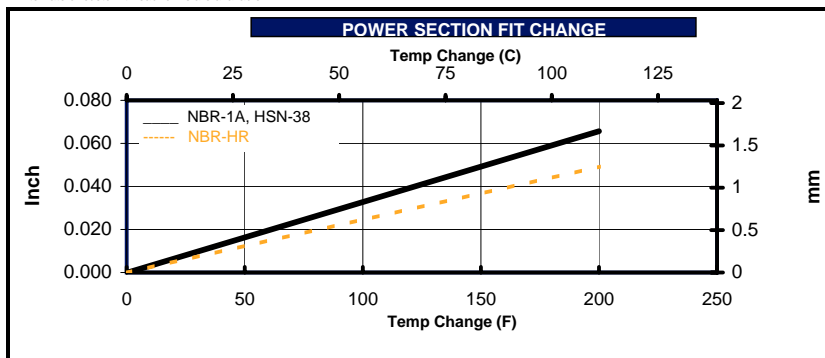
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	196.5	4991
Contour Length	189.5	4813
Eccentricity	0.326	8.28
Major Diameter	3.872	98.35
Head Diameter	3.500	88.90
Weight	416 (lbs)	188.7 (kg)
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.5	5169
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	722 (lbs)	327 (kg)
Number of Stages	7.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

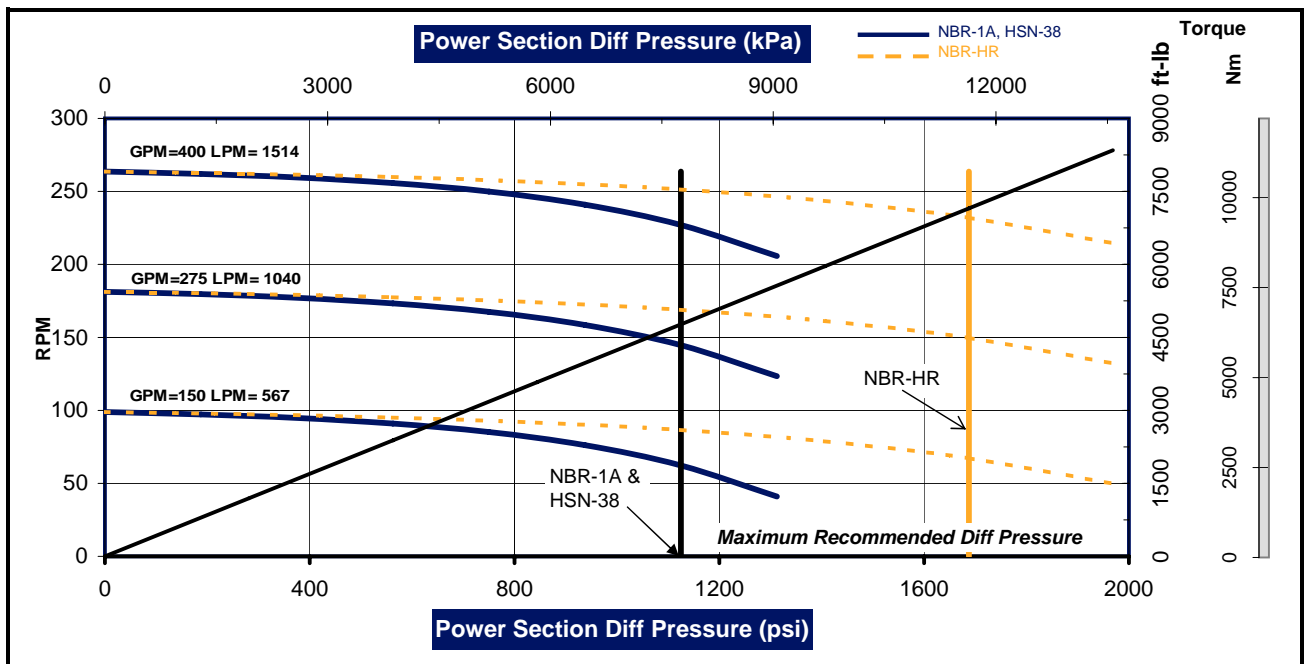
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.203	81.36
Oversize	3.239	82.27
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.017	0.43
Oversize	-0.019	-0.48
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	3.209	81.51
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.011	0.28
Oversize		

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	NBR-HR
Torque Slope	4.239 ft-lb/psi 0.834 Nm/kPa	Max Diff Press psi (kPa)	1130 (7760) 1690 (11630)
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Torque ft-lb (Nm)	4770 (6470) 7150 (9700)
Rotation	0.659 Rev/Gal 0.174 Rev/Litre	Stall Diff Press psi (kPa)	1690 (11630) 2530 (17450)
Speed Range	98 to 270 RPM	Stall Torque ft-lb (Nm)	7150 (9700) 10730 (14560)
Off Bottom Press	127 psi 880 kPa	Max Recommended HP(kW)	212 (158) 342 (255)



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.