



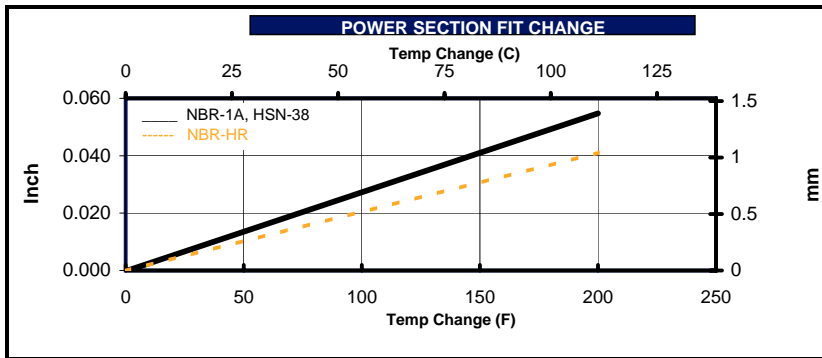
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	238.5	6058
Contour Length	231.5	5880
Eccentricity	0.255	6.48
Major Diameter	4.500	114.30
Head Diameter	4.000	101.60
Weight	803 (lbs) 364.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	245.0	6223
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Weight	729 (lbs) 331 (kg)	
Number of Stages	3.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

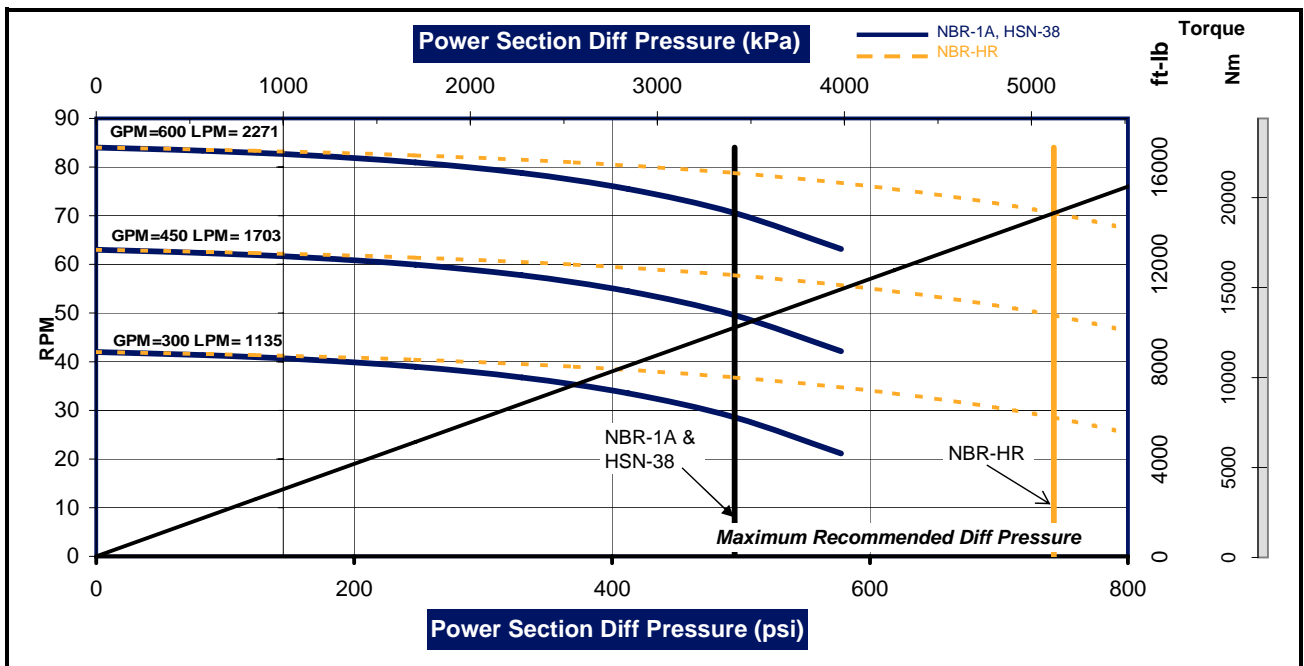
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	N/A	N/A
Oversize	4.003	101.68
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	-0.013	-0.33
Double Oversize		

\* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	3.986	101.24
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.004	0.10
Oversize		

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	NBR-HR
Torque Slope	19.000 ft-lb/psi 3.736 Nm/kPa	Max Diff Press psi (kPa)	500 (3410) 740 (5120)
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	9410 (12750) 14110 (19130)
Rotation	0.140 Rev/Gal 0.037 Rev/Litre	Stall Diff Press psi (kPa)	740 (5120) 1110 (7680)
Speed Range	42 to 84 RPM	Stall Torque ft-lb (Nm)	14110 (19130) 21160 (28690)
Off Bottom Press	150 psi 1030 kPa	Max Recommended HP(kW)	105 (78) 212 (158)



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.