

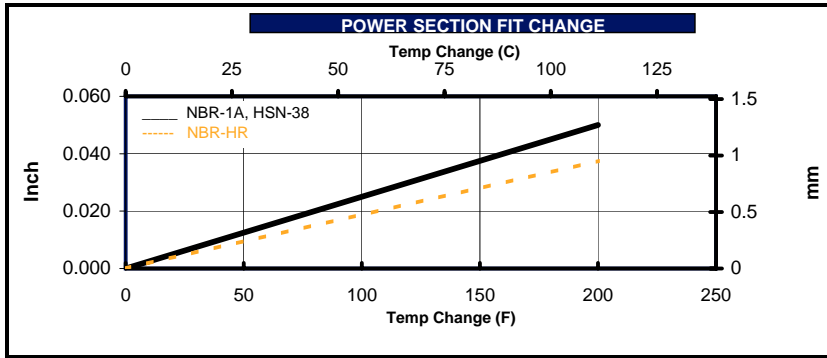
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	223.0	5664
Contour Length	217.0	5512
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.500	114.30
Weight	723 (lbs) 328 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	232.0	5893
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.40	137.2
Weight	740 (lbs) 336 (kg)	
Number of Stages	6.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

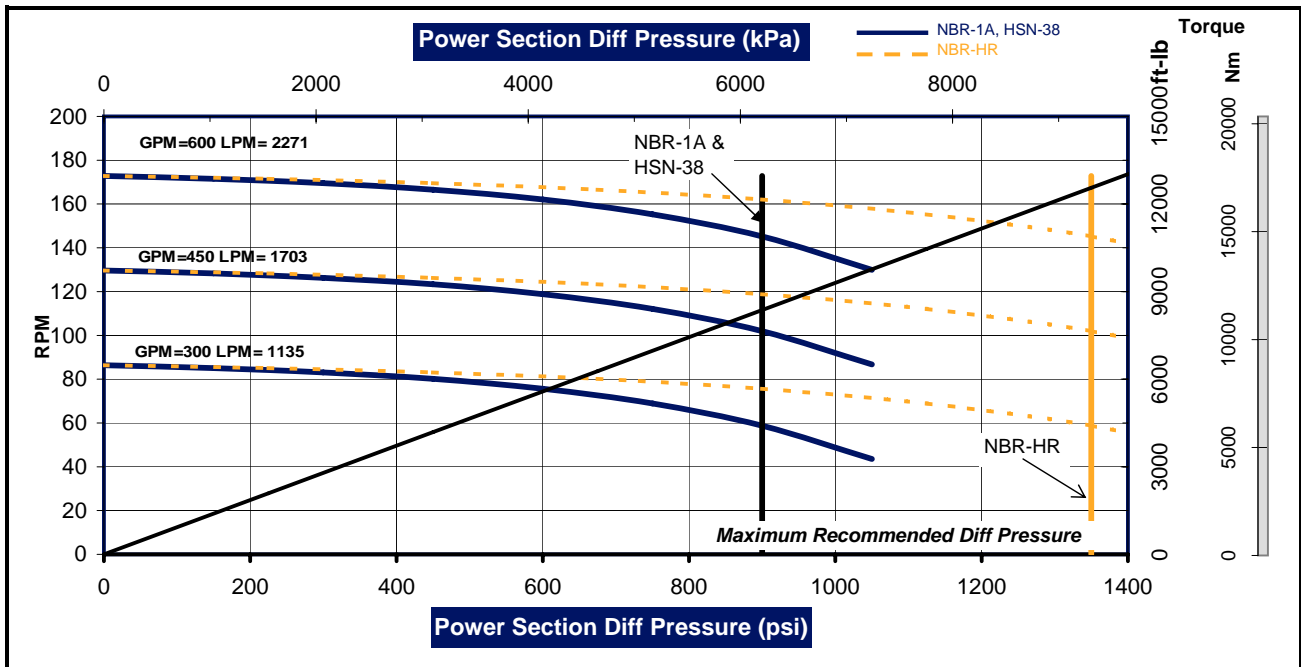
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.985	101.22
Oversize	4.005	101.73
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.023	0.58
Oversize	0.003	0.08
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	3.983	101.17
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.025	0.64
Oversize		

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)	900 (6210)	1350 (9310)
Flow Range	300 to 600 GPM	1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	8370 (11350)	12560 (17020)
Rotation	0.288 Rev/Gal	0.076 Rev/Litre	Stall Diff Press psi (kPa)	1350 (9310)	2030 (13960)
Speed Range	86 to 180 RPM		Stall Torque ft-lb (Nm)	12560 (17020)	18830 (25540)
Off Bottom Press	138 psi	950 kPa	Max Recommended HP(kW)	233 (174)	387 (289)



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.