

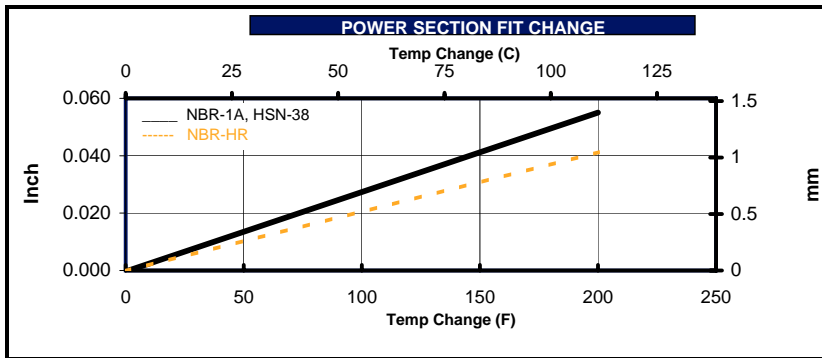
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	118.5	3010
Contour Length	111.5	2832
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.000	101.60
Weight	391 (lbs) 177.4 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	125.0	3175
Rubber Cut Back	7.3	184
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Alternate Length	131	3327
Weight	388 (lbs) 176 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

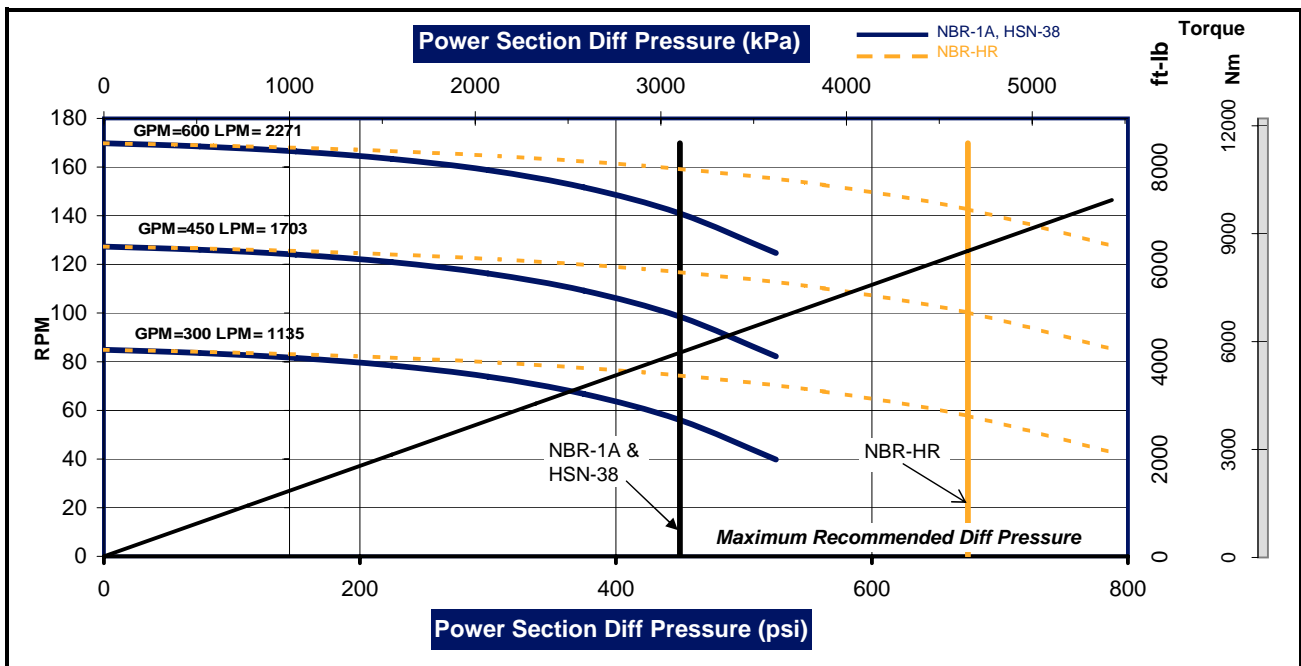
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.985	101.22
Oversize	4.013	101.93
Double Oversize	4.037	102.54
Nominal Fit at 75 F (25 C)		
Standard	0.023	0.58
Oversize	-0.005	-0.13
Double Oversize	-0.029	-0.74

* 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)	450 (3100)	680 (4650)
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min		Max Torque ft-lb (Nm)	4190 (5670)	6280 (8510)
Rotation	0.283 Rev/Gal 0.075 Rev/Litre		Stall Diff Press psi (kPa)	680 (4650)	1010 (6980)
Speed Range	84 to 170 RPM		Stall Torque ft-lb (Nm)	6280 (8510)	9420 (12770)
Off Bottom Press	111 psi 770 kPa		Max Recommended HP(kW)	102 (76)	190 (142)



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.