

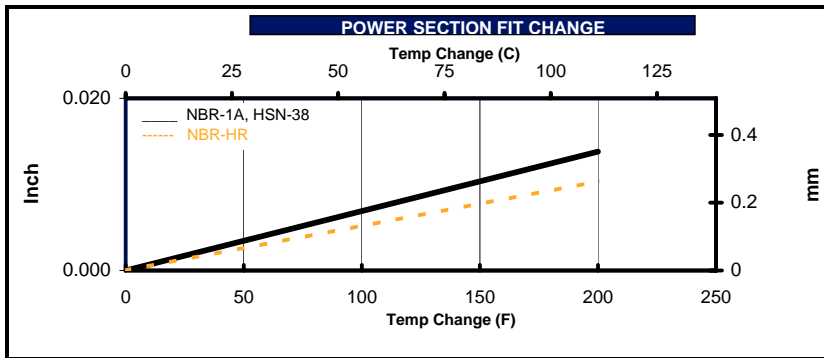
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	54.2	1376
Contour Length	50.2	1274
Eccentricity	0.069	1.75
Major Diameter	1.106	28.09
Head Diameter	1.000	25.40
Weight	11 (lbs) 5 (kg)	
Material	17-4SS	
Thread Form*	0.625 - 11 UNC	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	57.6	1462
Rubber Cut Back	4.2	107
Tube O.D.	1.69	42.9
Tube I.D.	1.37	34.8
Weight	13 (lbs) 6 (kg)	
Number of Stages	4.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

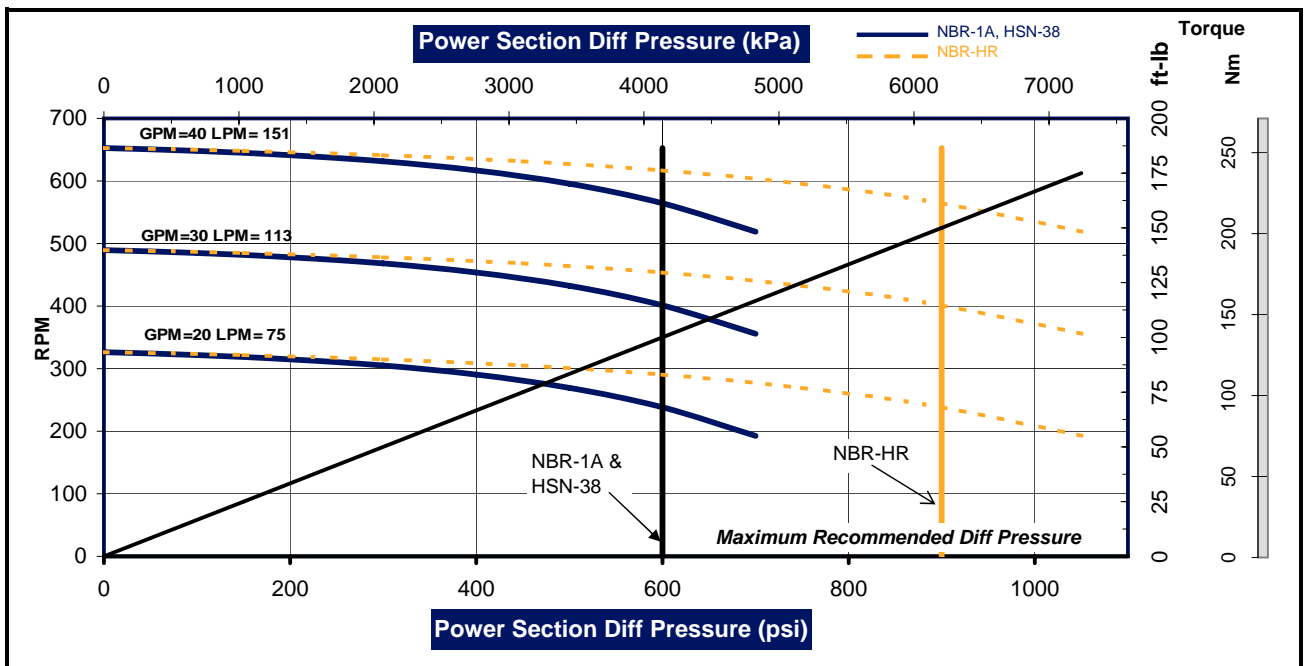
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	N/A	N/A
Oversize	0.989	25.12
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	-0.021	-0.53
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	0.978	24.84
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	-0.010	-0.25
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	0.167 ft-lb/psi	0.033 Nm/kPa	Max Diff Press psi (kPa)	600 (4140)	900 (6210)
Flow Range	20 to 40 GPM	80 to 150 Litre/min	Max Torque ft-lb (Nm)	100 (140)	150 (200)
Rotation	16.314 Rev/Gal	4.310 Rev/Litre	Stall Diff Press psi (kPa)	900 (6210)	1350 (9310)
Speed Range	326 to 660 RPM		Stall Torque ft-lb (Nm)	150 (200)	230 (310)
Off Bottom Press	85 psi	590 kPa	Max Recommended HP(kW)	11 (8)	18 (13)



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.