



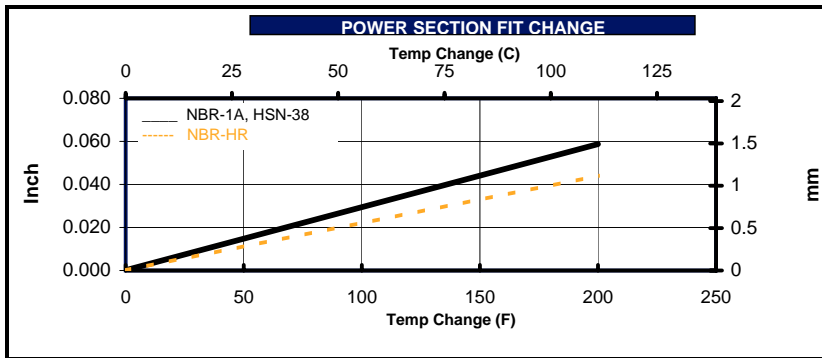
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	153.0	3886
Contour Length	145.0	3683
Eccentricity	0.293	7.44
Major Diameter	5.186	131.72
Head Diameter	4.750	120.70
Weight	693 (lbs)	314.3 (kg)
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	160.0	4064
Rubber Cut Back	8.0	203
Tube O.D.	7.75	196.9
Tube I.D.	6.25	158.8
Alternate Length	168	4267
Weight	833 (lbs)	378 (kg)
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

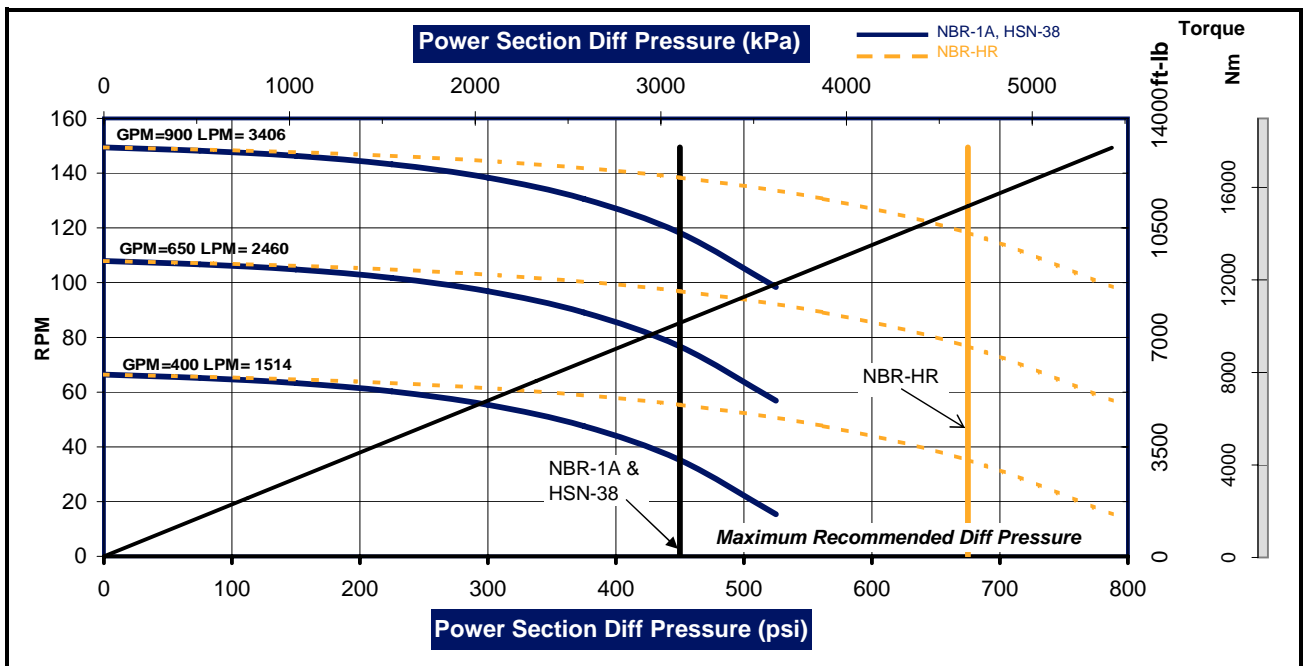
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.581	116.36
Oversize	4.606	116.99
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.019	0.48
Oversize	-0.006	-0.15
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	4.588	116.54
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.012	0.30
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	16.589 ft-lb/psi	3.262 Nm/kPa	Max Diff Press psi (kPa)	450 (3100)	680 (4650)
Flow Range	400 to 900 GPM	1510 to 3410 Litre/min	Max Torque ft-lb (Nm)	7470 (10120)	11200 (15180)
Rotation	0.166 Rev/Gal	0.044 Rev/Litre	Stall Diff Press psi (kPa)	680 (4650)	1010 (6980)
Speed Range	66 to 150 RPM		Stall Torque ft-lb (Nm)	11200 (15180)	16800 (22770)
Off Bottom Press	117 psi	810 kPa	Max Recommended HP(kW)	157 (117)	295 (220)



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.