



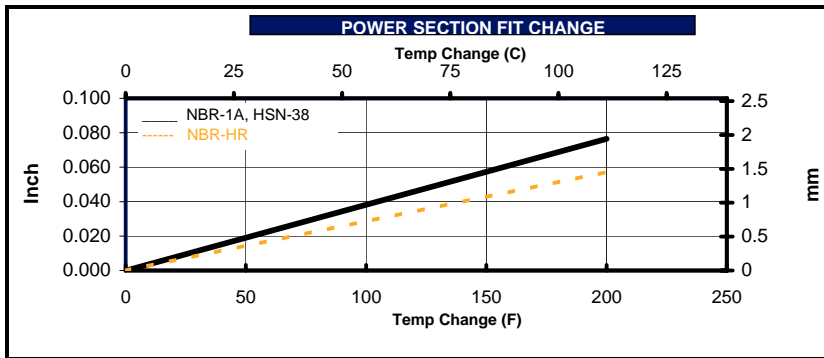
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	221.0	5613
Contour Length	213.0	5410
Eccentricity	0.415	10.54
Major Diameter	4.940	125.48
Head Diameter	4.750	120.70
Weight	765 (lbs) 347 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	228.0	5791
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.25	158.8
Weight	1367 (lbs) 620 (kg)	
Number of Stages	5.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

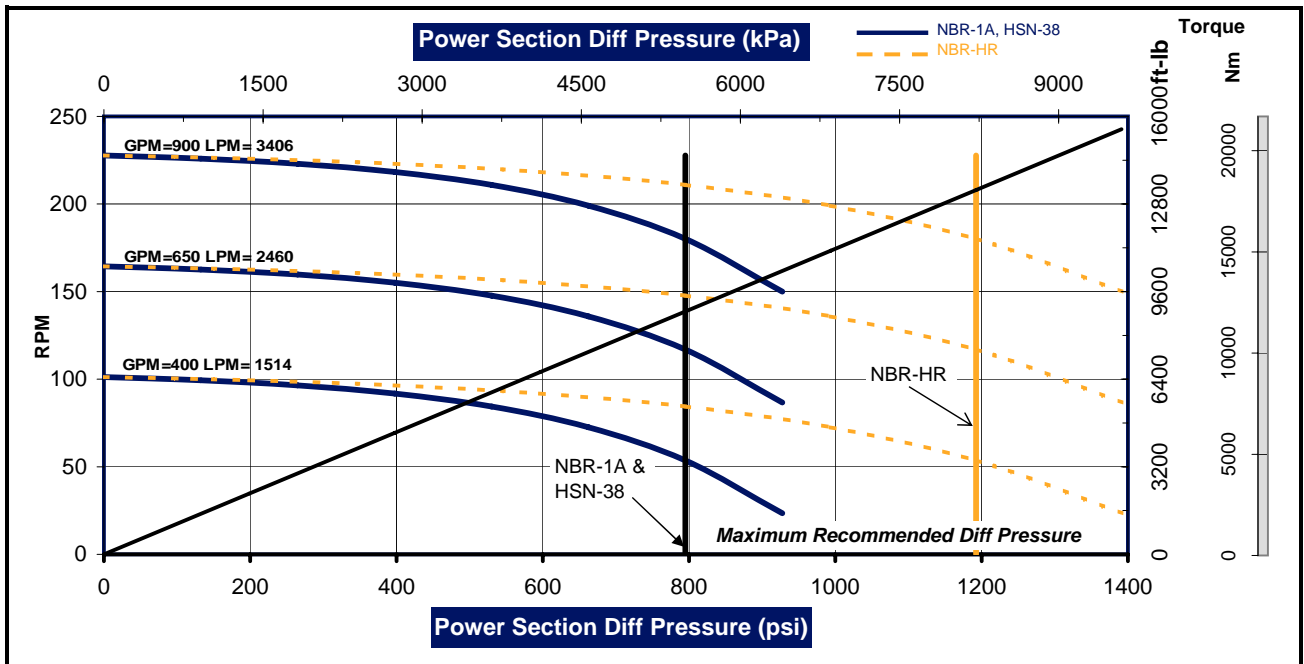
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.085	103.76
Oversize	4.115	104.52
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.025	0.64
Oversize	-0.005	-0.13
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	4.097	104.06
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.013	0.33
Oversize		

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	NBR-HR
Torque Slope	11.164 ft-lb/psi 2.195 Nm/kPa	Max Diff Press psi (kPa)	800 (5480) 1190 (8220)
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Torque ft-lb (Nm)	8880 (12030) 13310 (18050)
Rotation	0.253 Rev/Gal 0.067 Rev/Litre	Stall Diff Press psi (kPa)	1190 (8220) 1790 (12330)
Speed Range	101 to 230 RPM	Stall Torque ft-lb (Nm)	13310 (18050) 19970 (27070)
Off Bottom Press	180 psi 1240 kPa	Max Recommended HP(kW)	298 (222) 535 (399)



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.