

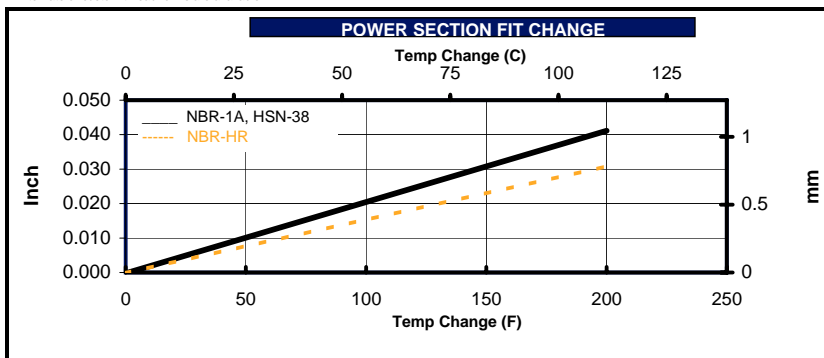
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	233.5	5931
Contour Length	227.8	5785
Eccentricity	0.18	4.57
Major Diameter	3.258	82.75
Head Diameter	3.450	87.60
Weight	380 (lbs) 172.4 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 PAC	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	250.0	6350
Rubber Cut Back	8, 15.5	203, 394
Tube O.D.	5.00	127.0
Tube I.D.	4.00	101.6
Weight	472 (lbs) 214 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

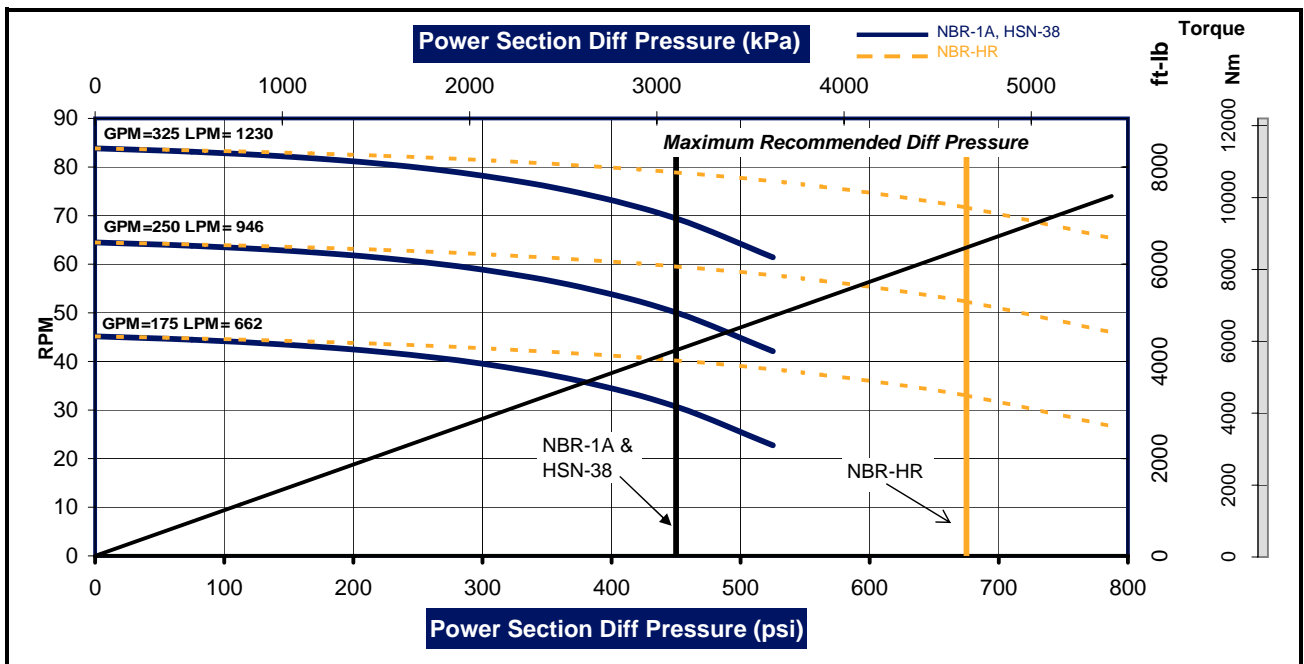
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.887	73.33
Oversize	2.909	73.89
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.013	0.33
Oversize	-0.009	-0.23
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	2.887	73.33
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	9.400 ft-lb/psi 1.848 Nm/kPa		Max Diff Press psi (kPa)	450 (3100)	680 (4650)
Flow Range	175 to 325 GPM 660 to 1230 Litre/min		Max Torque ft-lb (Nm)	4230 (5730)	6350 (8600)
Rotation	0.258 Rev/Gal 0.068 Rev/Litre		Stall Diff Press psi (kPa)	680 (4650)	1010 (6980)
Speed Range	45 to 84 RPM		Stall Torque ft-lb (Nm)	6350 (8600)	9520 (12900)
Off Bottom Press	100 psi 690 kPa		Max Recommended HP(kW)	53 (39)	95 (71)



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.