



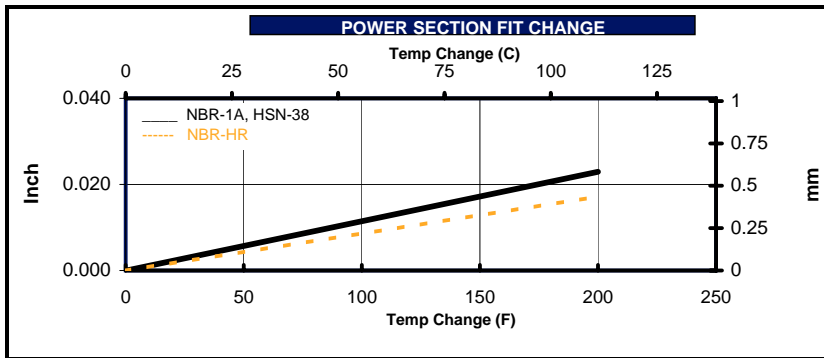
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	73.7	1871
Contour Length	68.7	1744
Eccentricity	0.091	2.31
Major Diameter	1.882	47.80
Head Diameter	1.500	38.10
Weight	47 (lbs) 21.3 (kg)	
Material	17-4SS	
Thread Form*	1.125-5 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	80.0	2032
Rubber Cut Back	6.4	163
Tube O.D.	2.88	73.0
Tube I.D.	2.31	58.7
Weight	56 (lbs) 25 (kg)	
Number of Stages	3.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

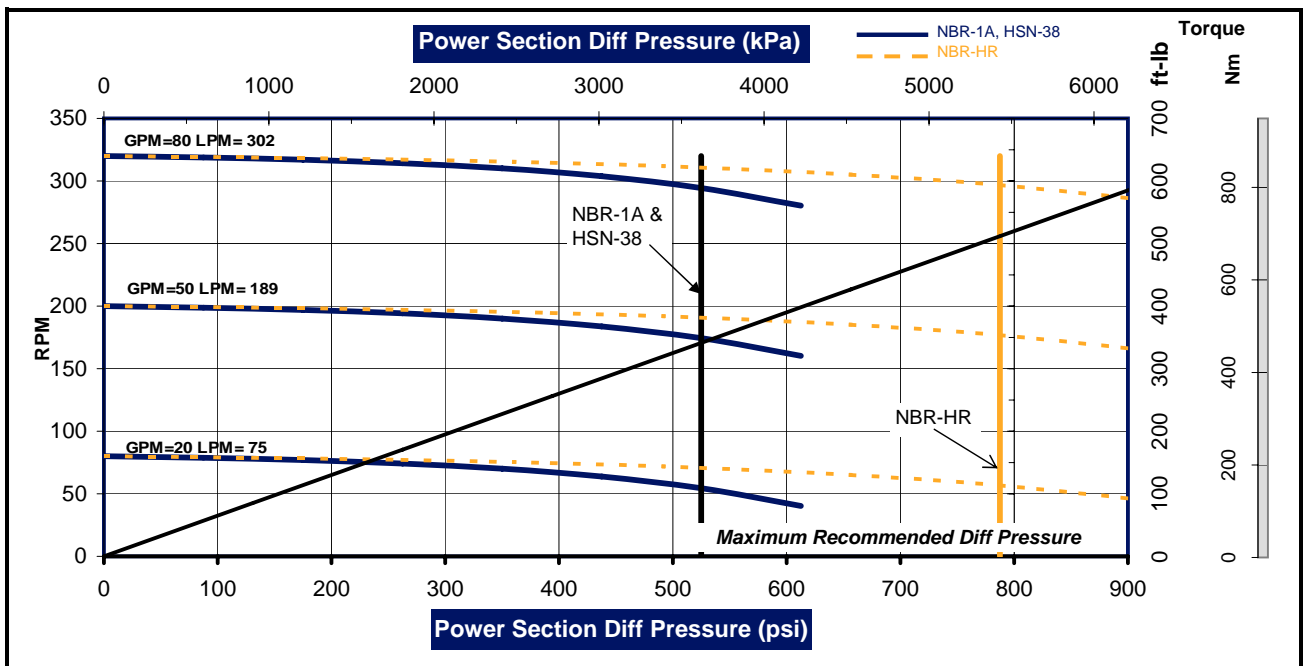
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	N/A	N/A
Oversize	1.710	43.43
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	-0.010	-0.25
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	1.701	43.21
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	-0.001	-0.03
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	0.650 ft-lb/psi	0.128 Nm/kPa	Max Diff Press psi (kPa)	530 (3620)	790 (5430)
Flow Range	20 to 80 GPM	80 to 300 Litre/min	Max Torque ft-lb (Nm)	340 (460)	510 (690)
Rotation	4.000 Rev/Gal	1.057 Rev/Litre	Stall Diff Press psi (kPa)	790 (5430)	1180 (8140)
Speed Range	80 to 320 RPM		Stall Torque ft-lb (Nm)	510 (690)	770 (1040)
Off Bottom Press	42 psi	290 kPa	Max Recommended HP(kW)	19 (14)	30 (22)



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.