

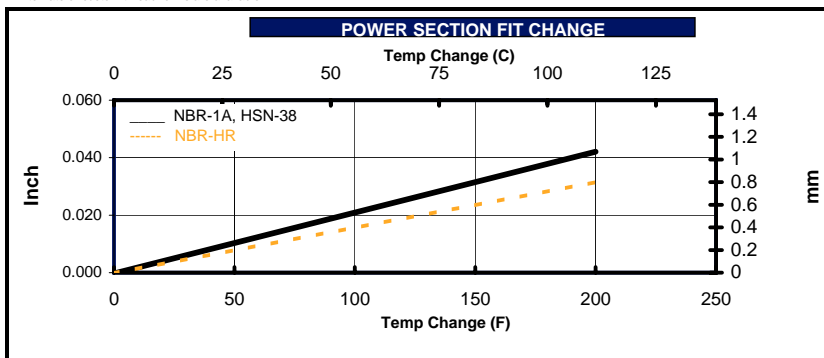
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	110.0	2794
Contour Length	106.0	2692
Eccentricity	0.122	3.1
Major Diameter	1.658	42.11
Head Diameter	1.500	38.10
Weight	52 (lbs) 23.6 (kg)	
Material	17-4SS	
Thread Form*	1.125-5 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Rubber Cut Back	6.0	152
Tube O.D.	2.88	73.0
Tube I.D.	2.38	60.3
Weight	74 (lbs) 34 (kg)	
Number of Stages	7.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

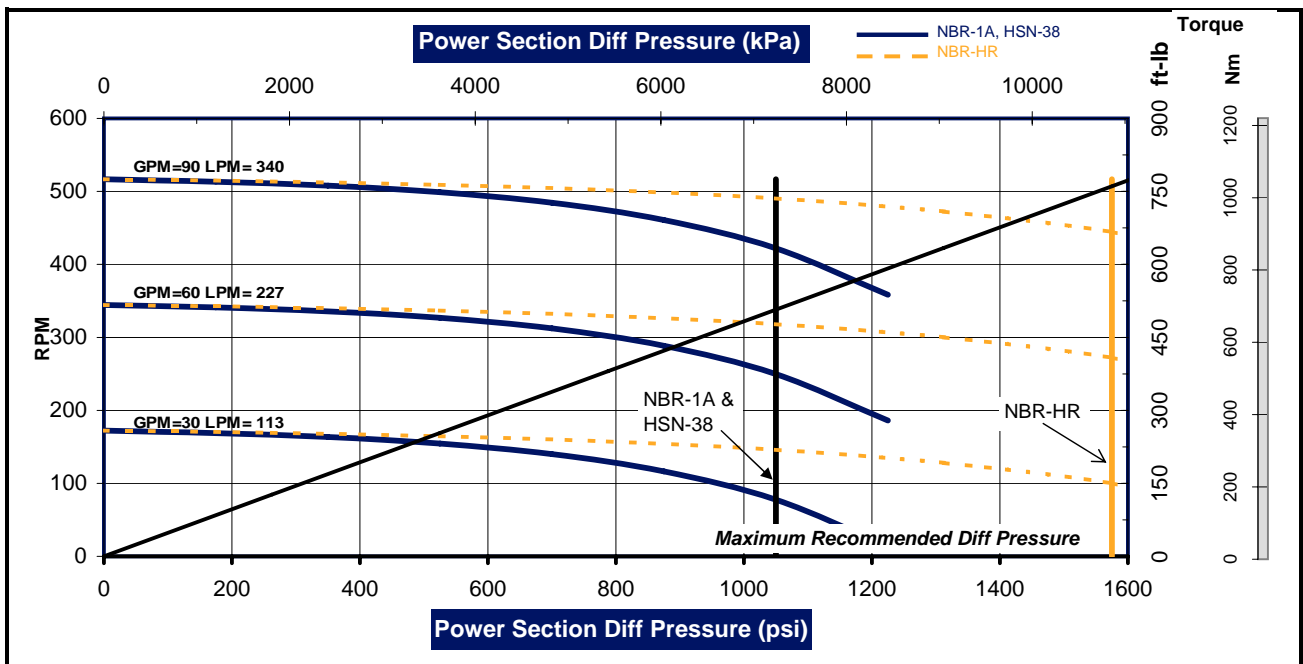
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
	Inch	mm
Standard	1.398	35.51
Oversize	1.416	35.97
Double Oversize	1.429	36.30
Nominal Fit at 75 F (25 C)		
Standard	0.016	0.41
Oversize	-0.002	-0.051
Double Oversize	-0.015	-0.38

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
	Inch	mm
Undersize		
Standard	1.399	35.5
Oversize	1.412	35.86
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.015	0.38
Oversize	0.002	0.05

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38		NBR-HR
Torque Slope	0.483 ft-lb/psi 0.095 Nm/kPa		Max Diff Press psi (kPa)	1050 (7240)	1580 (10860)
Flow Range	30 to 90 GPM 110 to 340 Litre/min		Max Torque ft-lb (Nm)	510 (690)	760 (1030)
Rotation	5.740 Rev/Gal 1.516 Rev/Litre		Stall Diff Press psi (kPa)	1580 (10860)	2360 (16290)
Speed Range	172 to 520 RPM		Stall Torque ft-lb (Nm)	760 (1030)	1140 (1550)
Off Bottom Press	79 psi 540 kPa		Max Recommended HP(kW)	46 (34)	71 (53)



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.