

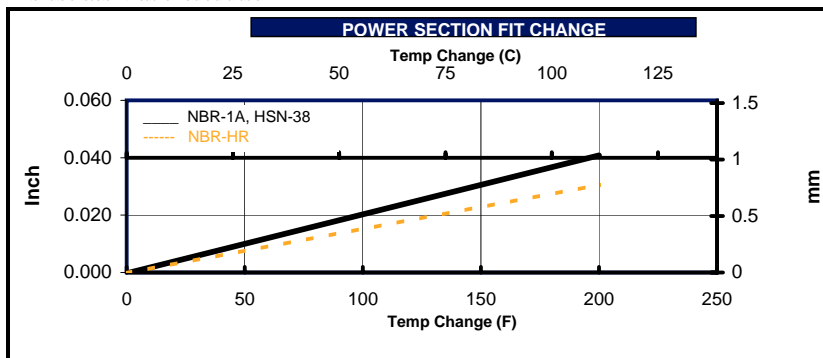
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	172.0	4369
Contour Length	166.0	4216
Eccentricity	0.125	3.18
Major Diameter	2.270	57.66
Head Diameter	2.000	50.80
Weight	155 (lbs) 70.3 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME OR 1.625 - 8	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	180.0	4572
Rubber Cut Back	8.0	203
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	224 (lbs) 102 (kg)	
Number of Stages	6.70	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

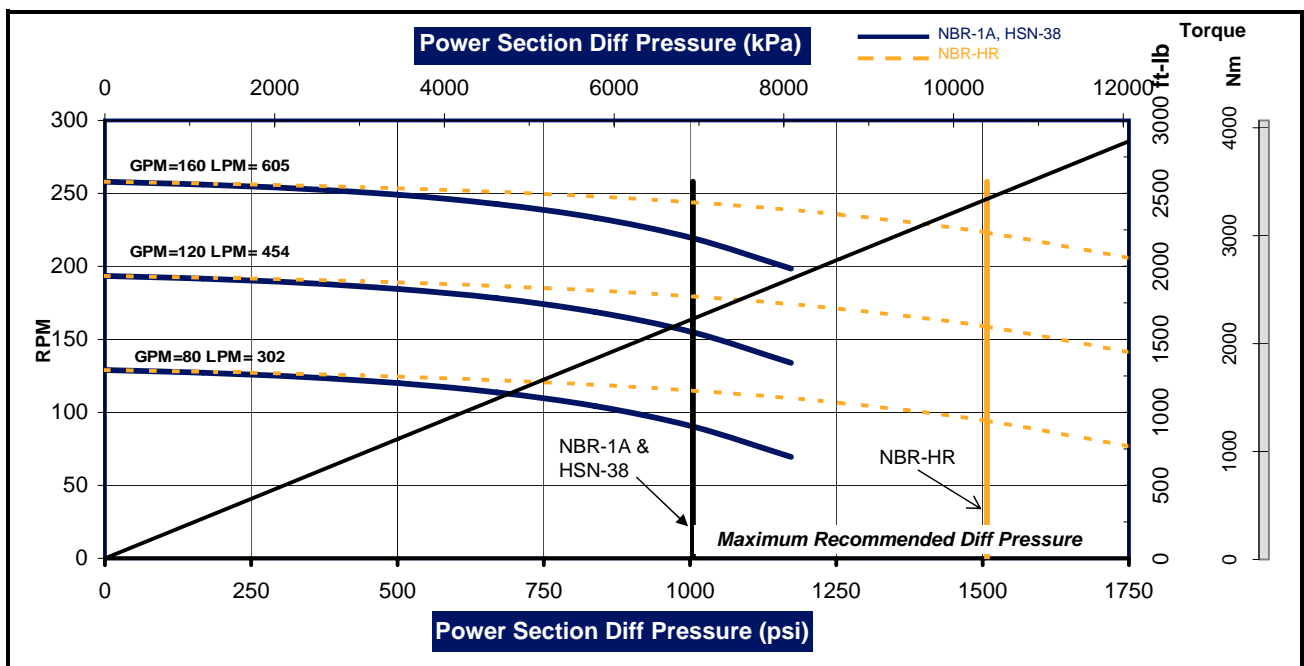
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	N/A	N/A
Oversize	2.018	51.26
Double Oversize	2.052	52.12
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	0.002	0.05
Double Oversize	-0.032	-0.81

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	2.000	50.80
Oversize	2.035	51.69
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.020	0.51
Oversize	-0.015	-0.38

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	1.633 ft-lb/psi	0.321 Nm/kPa	Max Diff Press psi (kPa)	1010 (6930)	1510 (10390)
Flow Range	80 to 160 GPM	300 to 610 Litre/min	Max Torque ft-lb (Nm)	1640 (2220)	2460 (3340)
Rotation	1.613 Rev/Gal	0.426 Rev/Litre	Stall Diff Press psi (kPa)	1510 (10390)	2260 (15590)
Speed Range	129 to 260 RPM		Stall Torque ft-lb (Nm)	2460 (3340)	3690 (5000)
Off Bottom Press	77 psi	530 kPa	Max Recommended HP(kW)	74 (56)	114 (85)



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.