

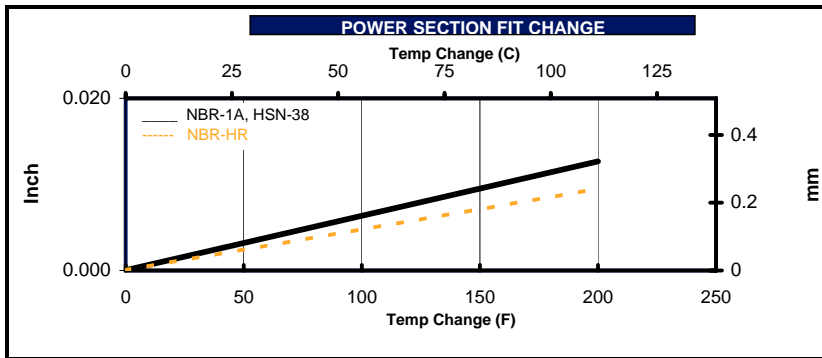
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	55.0	1397
Contour Length	51.0	1295
Eccentricity	0.076	1.93
Major Diameter	1.063	27.00
Head Diameter	1.000	25.40
Weight	10 (lbs) 4.5 (kg)	
Material	17-4SS	
Thread Form*	0.625 - 11 UNC	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	60.0	1524
Rubber Cut Back	5.0	127
Tube O.D.	1.69	42.9
Tube I.D.	1.29	32.8
Weight	17 (lbs) 8 (kg)	
Number of Stages	2.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

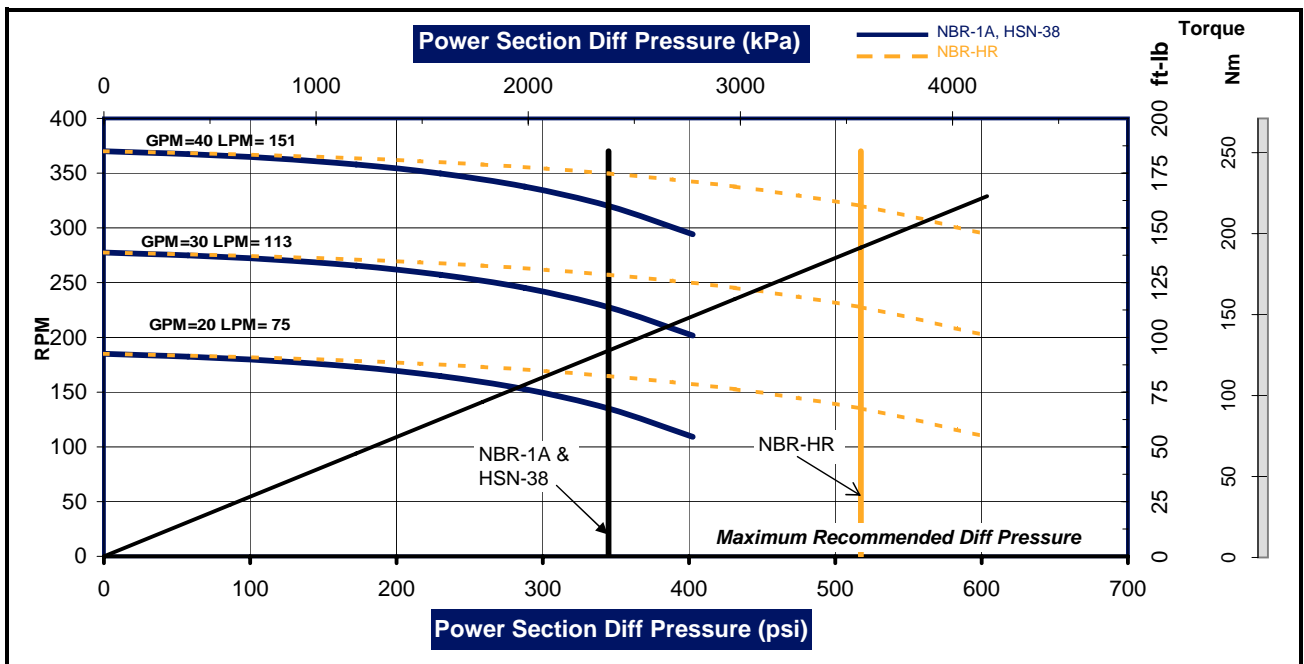
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
	Inch	mm
Stator Size	N/A	N/A
Standard	0.916	23.27
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	-0.005	-0.13
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
	Inch	mm
Stator Size		
Undersize		
Standard	0.906	23.01
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.005	0.13
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	0.272 ft-lb/psi	0.054 Nm/kPa	Max Diff Press psi (kPa)	350 (2380)	520 (3570)
Flow Range	20 to 40 GPM	80 to 150 Litre/min	Max Torque ft-lb (Nm)	90 (130)	140 (190)
Rotation	9.250 Rev/Gal	2.444 Rev/Litre	Stall Diff Press psi (kPa)	520 (3570)	780 (5350)
Speed Range	185 to 370 RPM		Stall Torque ft-lb (Nm)	140 (190)	210 (290)
Off Bottom Press	75 psi	520 kPa	Max Recommended HP(kW)	5 (4)	9 (7)



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.