

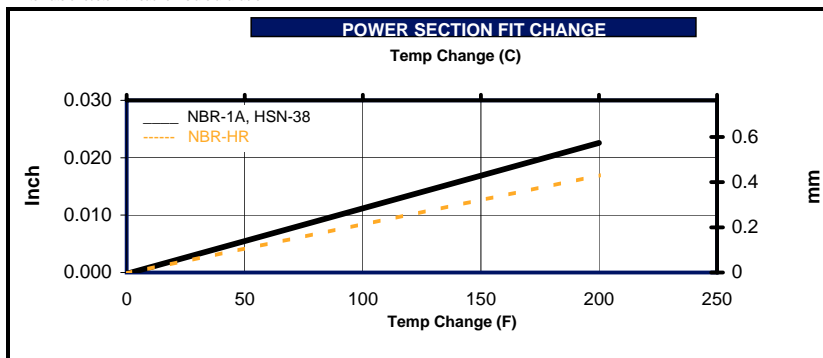
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	68.0	1727
Contour Length	64.8	1645
Eccentricity	0.091	2.31
Major Diameter	1.457	37.01
Head Diameter	1.400	35.60
Weight	25 (lbs) 11.3 (kg)	
Material	17-4SS	
Thread Form*	1.00-16 UN 2B	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	71.6	1819
Rubber Cut Back	3.5	89
Tube O.D.	2.38	60.3
Tube I.D.	1.87	47.5
Weight	37 (lbs) 17 (kg)	
Number of Stages	4.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

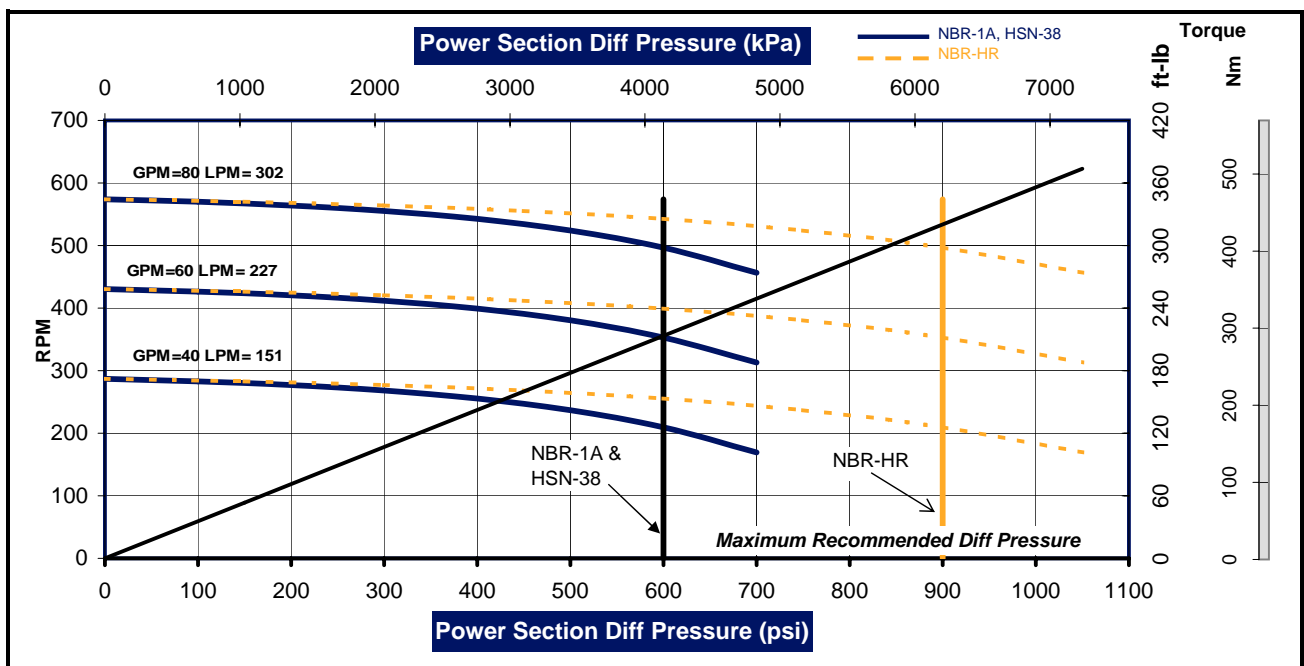
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	N/A	N/A
Oversize	1.287	32.69
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	-0.011	-0.279
Double Oversize		

\* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	1.276	32.4
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.000	0.00
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	0.356 ft-lb/psi 0.070 Nm/kPa		Max Diff Press psi (kPa)	600 (4140)	900 (6210)
Flow Range	40 to 80 GPM 150 to 300 Litre/min		Max Torque ft-lb (Nm)	210 (290)	320 (430)
Rotation	7.175 Rev/Gal 1.895 Rev/Litre		Stall Diff Press psi (kPa)	900 (6210)	1350 (9310)
Speed Range	287 to 580 RPM		Stall Torque ft-lb (Nm)	320 (430)	480 (650)
Off Bottom Press	70 psi 480 kPa		Max Recommended HP(kW)	21 (15)	33 (25)



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.