

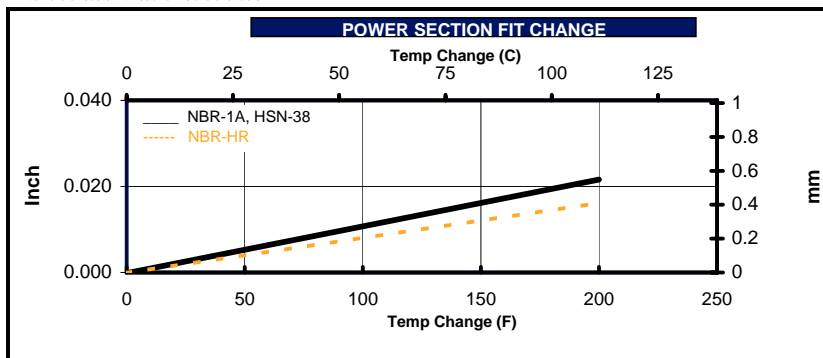
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	64.0	1626
Contour Length	60.0	1524
Eccentricity	0.085	2.16
Major Diameter	1.362	34.59
Head Diameter	1.250	31.80
Weight	20 (lbs) 9.1 (kg)	
Material	17-4SS	
Thread Form*	0.906 - 10 Stub Acme	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	66.5	1689
Rubber Cut Back	4.0	102
Tube O.D.	2.13	54.0
Tube I.D.	1.75	44.5
Weight	27 (lbs) 12 (kg)	
Number of Stages	4.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

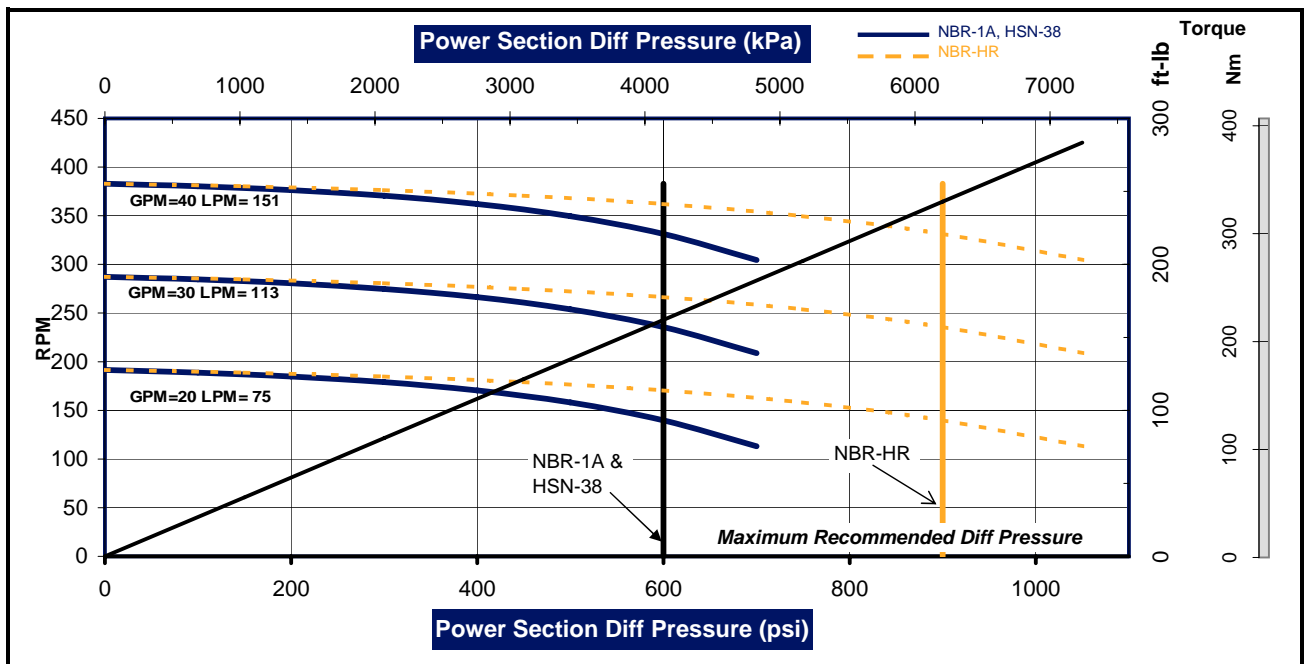
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	N/A	N/A
Oversize	1.195	30.35
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	-0.003	-0.08
Double Oversize		

\* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	1.183	30.05
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.009	0.23
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	0.270 ft-lb/psi 0.053 Nm/kPa		Max Diff Press psi (kPa)	600 (4140)	900 (6210)
Flow Range	20 to 40 GPM 80 to 150 Litre/min		Max Torque ft-lb (Nm)	160 (220)	240 (330)
Rotation	9.574 Rev/Gal 2.529 Rev/Litre		Stall Diff Press psi (kPa)	900 (6210)	1350 (9310)
Speed Range	191 to 390 RPM		Stall Torque ft-lb (Nm)	240 (330)	360 (490)
Off Bottom Press	70 psi 480 kPa		Max Recommended HP(kW)	10 (8)	17 (13)



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.