

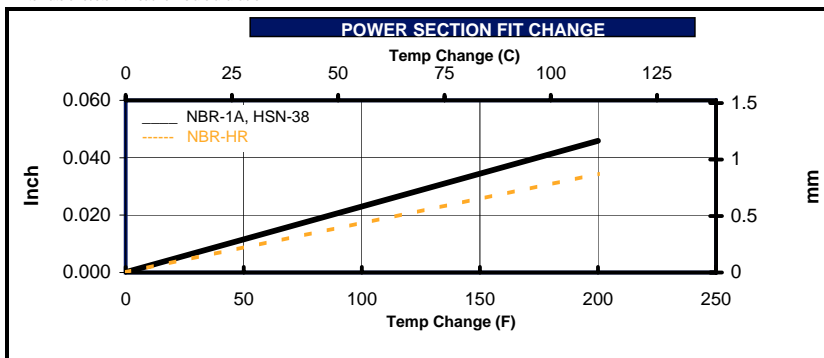
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	197.5	5017
Contour Length	191.0	4851
Eccentricity	0.255	6.48
Major Diameter	4.570	116.08
Head Diameter	4.000	101.60
Weight	570 (lbs)	258.6 (kg)
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	204.0	5182
Rubber Cut Back	7.5	191
Tube O.D.	6.75	171.5
Tube I.D.	5.40	137.2
Weight	795 (lbs)	361 (kg)
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

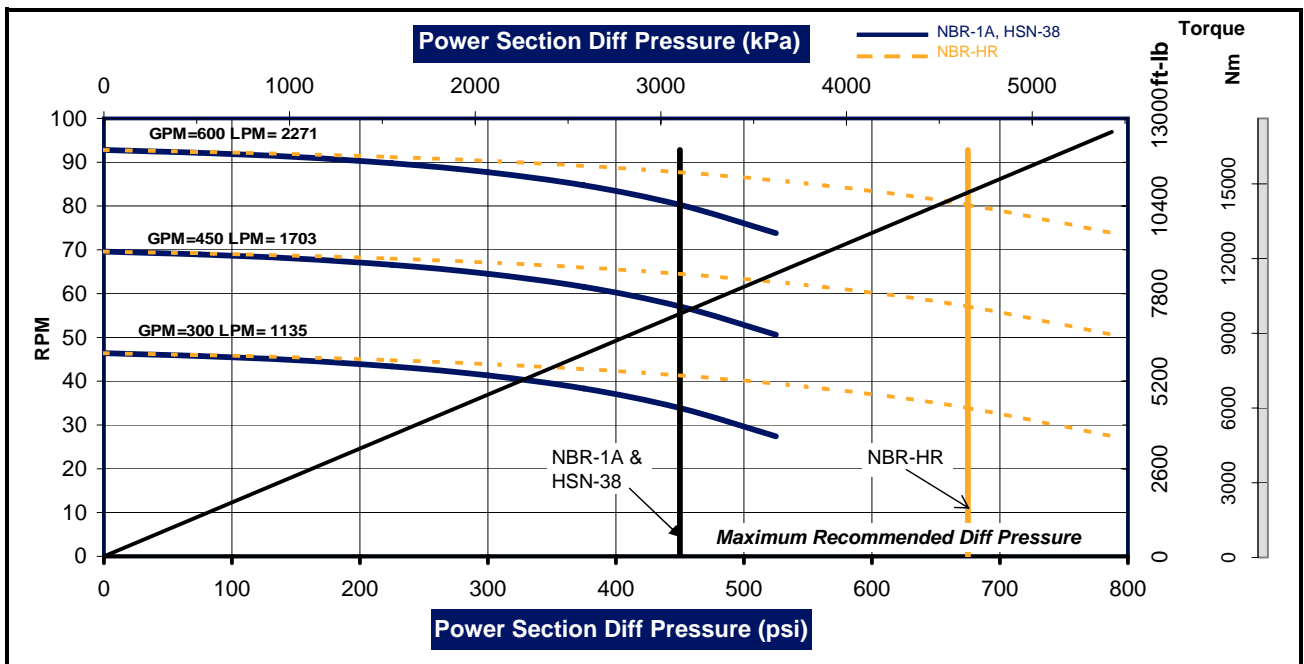
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.045	102.74
Oversize	4.066	103.28
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.015	0.38
Oversize	-0.006	-0.15
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	4.045	102.74
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.015	0.38
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	16.001 ft-lb/psi	3.146 Nm/kPa	Max Diff Press psi (kPa)	450 (3100)	680 (4650)
Flow Range	300 to 600 GPM	1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	7200 (9760)	10800 (14640)
Rotation	0.155 Rev/Gal	0.041 Rev/Litre	Stall Diff Press psi (kPa)	680 (4650)	1010 (6980)
Speed Range	46 to 93 RPM		Stall Torque ft-lb (Nm)	10800 (14640)	16200 (21960)
Off Bottom Press	75 psi	520 kPa	Max Recommended HP(kW)	106 (79)	180 (134)



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.