



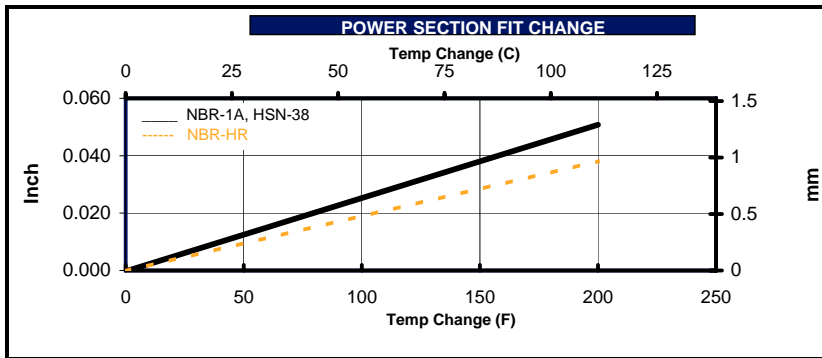
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	222.3	5645
Contour Length	216.3	5493
Eccentricity	0.225	5.72
Major Diameter	4.070	103.38
Head Diameter	3.500	88.90
Weight	602 (lbs) 273.1 (kg)	
Material	17-4SS	
Thread Form*	2 7/8" API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	231.3	5874
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	947 (lbs) 430 (kg)	
Number of Stages	3.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

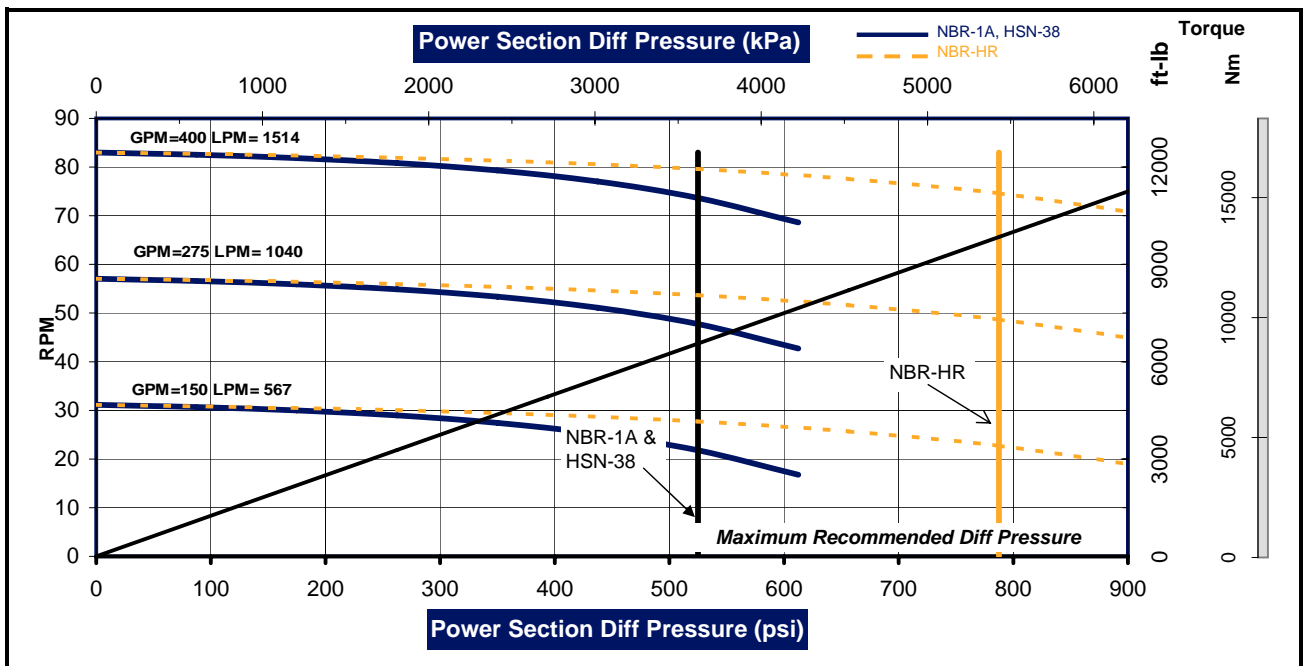
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	N/A	N/A
Oversize	3.625	92.08
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard		
Oversize	-0.005	-0.13
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	3.607	91.62
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.013	0.33
Oversize		

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	NBR-HR
Torque Slope	12.500 ft-lb/psi 2.458 Nm/kPa	Max Diff Press psi (kPa)	530 (3620) 790 (5430)
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Torque ft-lb (Nm)	6560 (8900) 9840 (13350)
Rotation	0.208 Rev/Gal 0.055 Rev/Litre	Stall Diff Press psi (kPa)	790 (5430) 1180 (8140)
Speed Range	31 to 83 RPM	Stall Torque ft-lb (Nm)	9840 (13350) 14770 (20020)
Off Bottom Press	51 psi 350 kPa	Max Recommended HP(kW)	94 (70) 149 (111)



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.