

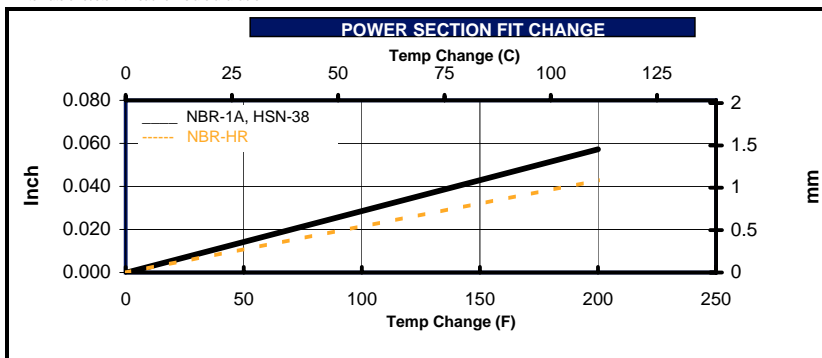
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Contour Length	110.0	2794
Eccentricity	0.226	5.74
Major Diameter	3.980	101.09
Head Diameter	3.500	88.90
Weight	364 (lbs) 165.1 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	130.0	3302
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	535 (lbs) 243 (kg)	
Number of Stages	2.80	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

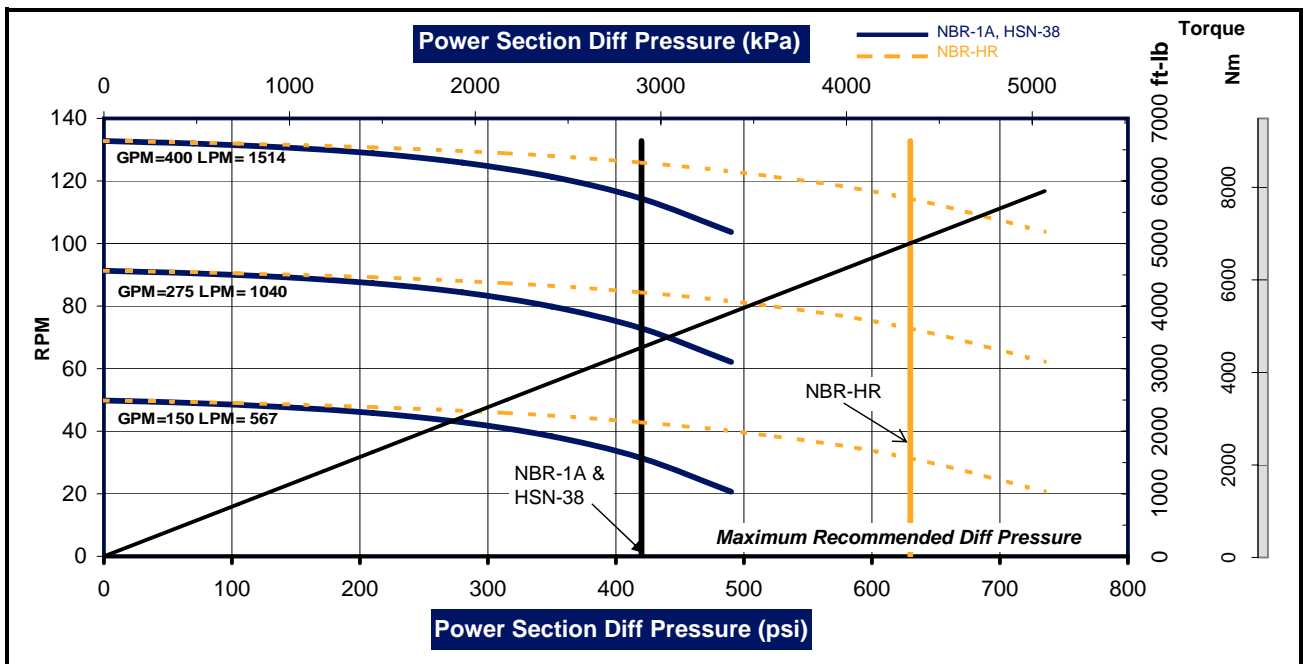
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.506	89.05
Oversize	3.527	89.59
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.022	0.56
Oversize	0.001	0.03
Double Oversize		

\* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	3.502	88.95
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.026	0.66
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	7.945 ft-lb/psi	1.562 Nm/kPa	Max Diff Press psi (kPa)	420 (2900)	630 (4340)
Flow Range	150 to 400 GPM	570 to 1510 Litre/min	Max Torque ft-lb (Nm)	3340 (4520)	5010 (6780)
Rotation	0.332 Rev/Gal	0.088 Rev/Litre	Stall Diff Press psi (kPa)	630 (4340)	950 (6520)
Speed Range	49 to 140 RPM		Stall Torque ft-lb (Nm)	5010 (6780)	7510 (10180)
Off Bottom Press	71 psi	490 kPa	Max Recommended HP(kW)	70 (52)	120 (90)



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.