

POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	178.0	4521
Contour Length	172.3	4375
Eccentricity	0.163	4.14
Major Diameter	2.945	74.80
Head Diameter	2.750	69.90
Weight	240 (lbs) 108.9 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

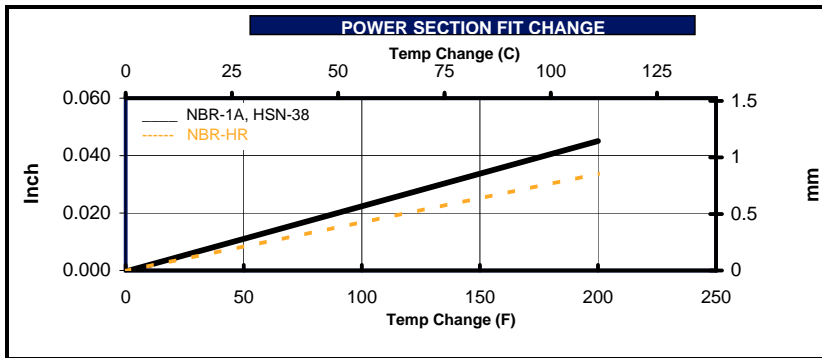
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	187.0	4750
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	399 (lbs) 181 (kg)	
Number of Stages	3.80	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.606	66.19
Oversize	2.622	66.60
Double Oversize	2.638	67.01
Triple Oversize	2.663	67.64

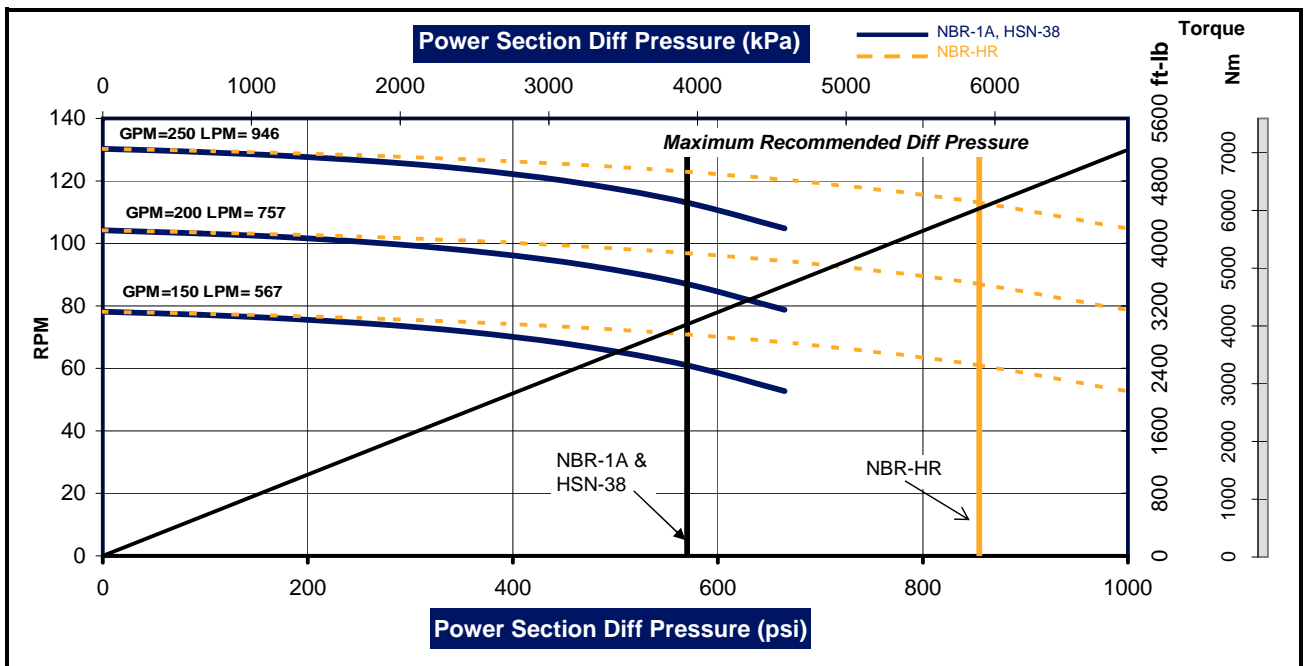
Nominal Fit at 75 F (25 C)		
Standard	0.013	0.33
Oversize	-0.003	-0.08
Double Oversize	-0.019	-0.48
Triple Oversize	-0.044	-1.12

FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Standard	2.603	66.12
Oversize	2.619	66.52
Double Oversize	2.644	67.16

Nominal Fit at 75 F (25 C)		
Standard	0.016	0.41
Oversize	0.000	0.00
Double Oversize	-0.025	-0.64



PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	5.200 ft-lb/psi 1.023 Nm/kPa		Max Diff Press psi (kPa)	570 (3930)	860 (5900)
Flow Range	150 to 250 GPM 570 to 950 Litre/min		Max Torque ft-lb (Nm)	2960 (4020)	4450 (6030)
Rotation	0.521 Rev/Gal 0.138 Rev/Litre		Stall Diff Press psi (kPa)	860 (5900)	1280 (8840)
Speed Range	78 to 140 RPM		Stall Torque ft-lb (Nm)	4450 (6030)	6670 (9050)
Off Bottom Press	64 psi 440 kPa		Max Recommended HP(kW)	65 (49)	104 (78)



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.