

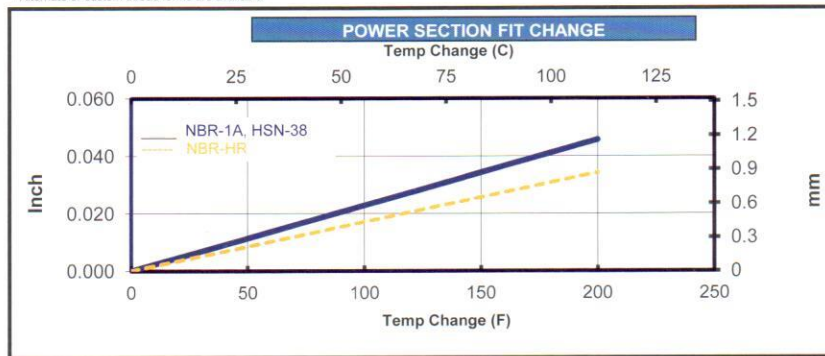
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	107.0	2718
Contour Length	101.3	2572
Eccentricity	0.168	4.27
Major Diameter	2.936	74.57
Head Diameter	2.750	69.90
Weight	136 (lbs) 61.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes	External Flush Mod

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	116.0	2946
Rubber Cut Back	5.0	127
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Alternate Length	122	3099
Weight	328 (lbs) 149 (kg)	
Number of Stages	2.2	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

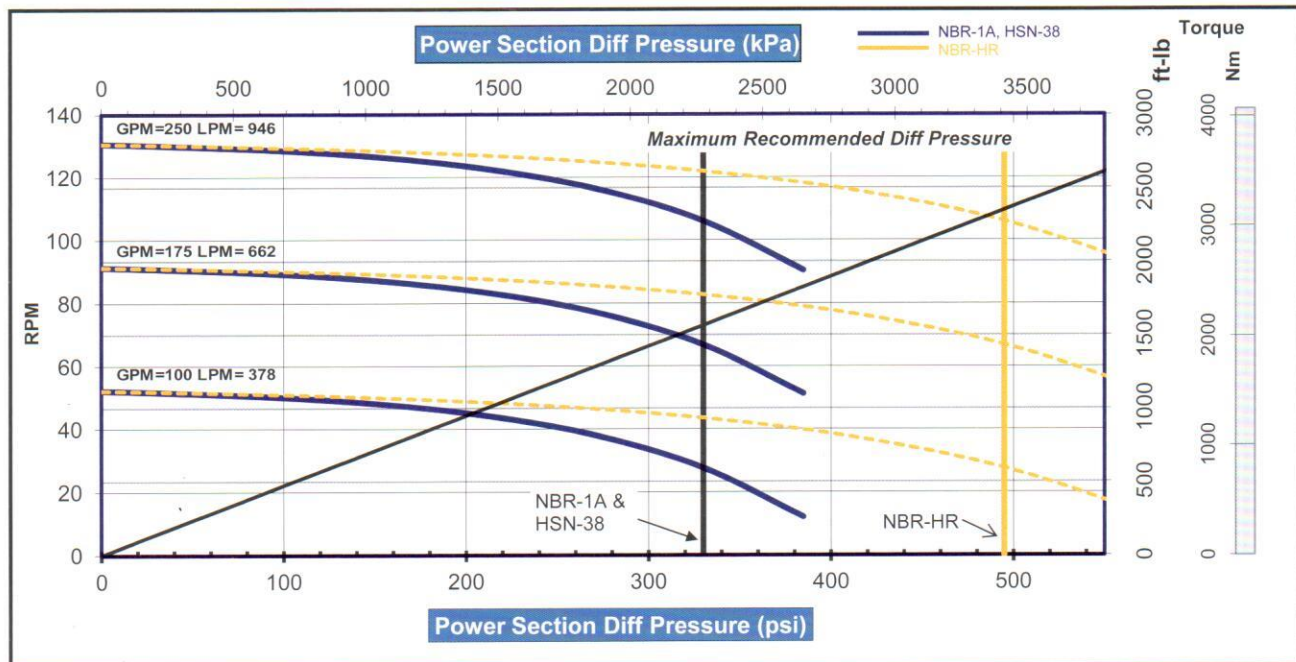
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.581	65.56
OverSize	2.602	66.09
Second OverSize		
Nominal Fit at 75 F (25 C)		
Standard	0.019	0.48
OverSize	-0.002	-0.05
Second OverSize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	2.584	65.63
OverSize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.016	0.41
OverSize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS	
Torque Slope	4.738 ft-lb/psi	0.932 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 250 GPM	380 to 950 Litre/min	Max Diff Press psi (kPa)	330 (2280) 500 (3410)
Rotation	0.522 Rev/Gal	0.138 Rev/Litre	Max Torque ft-lb (Nm)	1560 (2120) 2350 (3180)
Speed Range	52 to 140 RPM		Stall Diff Press psi (kPa)	500 (3410) 740 (5120)
Off Bottom Press	52 psi	360 kPa	Stall Torque ft-lb (Nm)	2350 (3180) 3520 (4770)
			Max Recommended HP(kW)	39 (29) 54 (40)



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 2011 Dyna-Drill® Technologies, Inc. All rights reserved.