

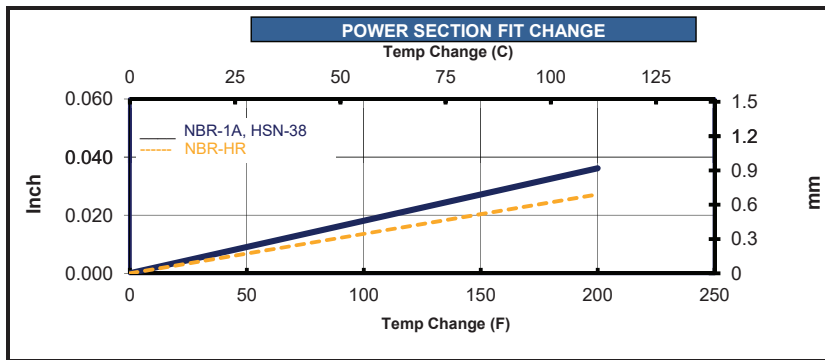
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.0	5588
Contour Length	214.3	5442
Eccentricity	0.174	4.42
Major Diameter	3.095	78.61
Head Diameter	2.750	69.90
Weight	323 (lbs)	146.5 (kg)
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

* Alternate or custom thread forms are available

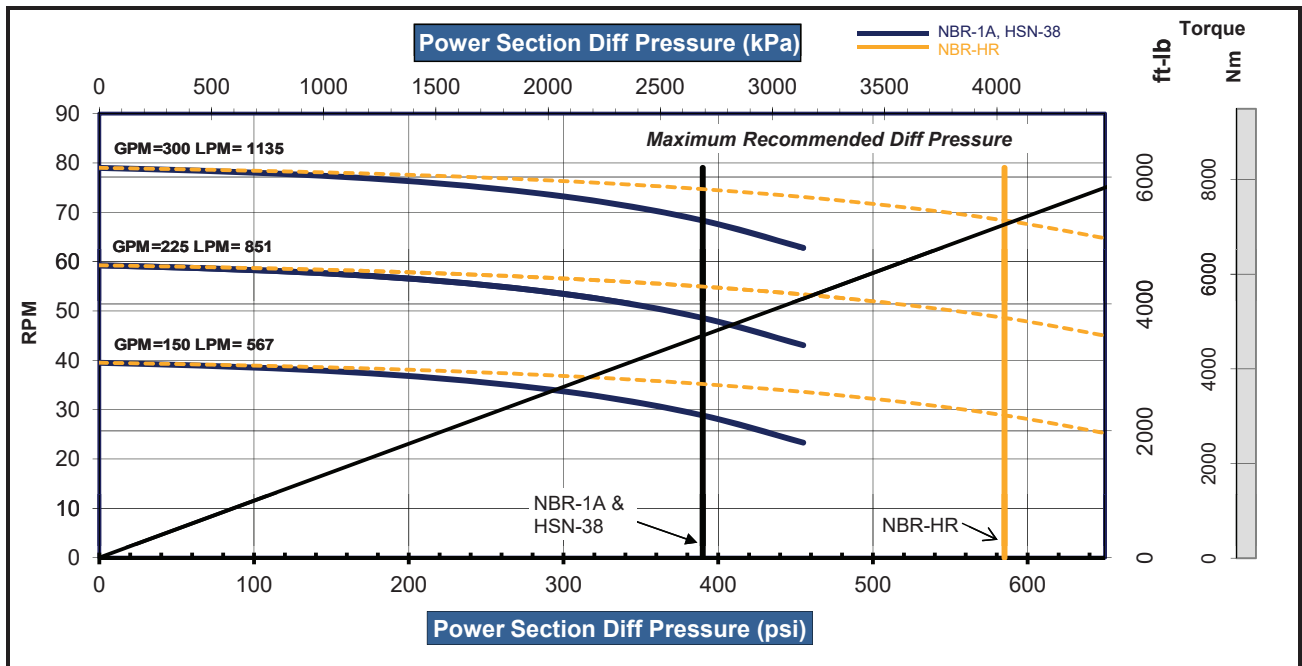
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.3	5823
Rubber Cut Back	8.0	203
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Alternate Length	122	3099
Weight	520 (lbs)	236 (kg)
Number of Stages	2.6	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.738	69.55
Oversize	2.762	70.15
Second Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.011	0.28
Oversize	-0.013	-0.33
Second Oversize		



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize	2.722	69.14
Standard	2.746	69.75
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize	0.027	0.69
Standard	0.003	0.08
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
Torque Slope	8.974 ft-lb/psi	1.765 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 390 (2690)	NBR-HR 590 (4030)
Flow Range	150 to 300 GPM	570 to 1140 Litre/min	Max Torque ft-lb (Nm)	3500 (4750)	5250 (7120)
Rotation	0.263 Rev/Gal	0.070 Rev/Litre	Stall Diff Press psi (kPa)	590 (4030)	880 (6050)
Speed Range	39 to 79 RPM		Stall Torque ft-lb (Nm)	5250 (7120)	7880 (10680)
Off Bottom Press	46 psi	320 kPa	Max Recommended HP(kW)	53 (39)	75 (56)



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.