



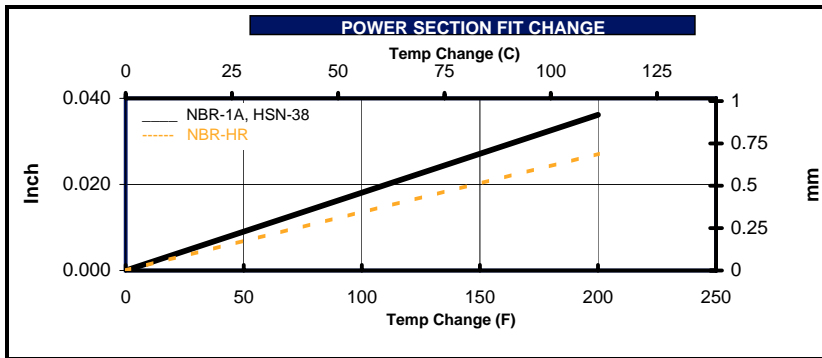
POWER SECTION

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

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.3	5823
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	396 (lbs) 180 (kg)	
Number of Stages	2.60	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

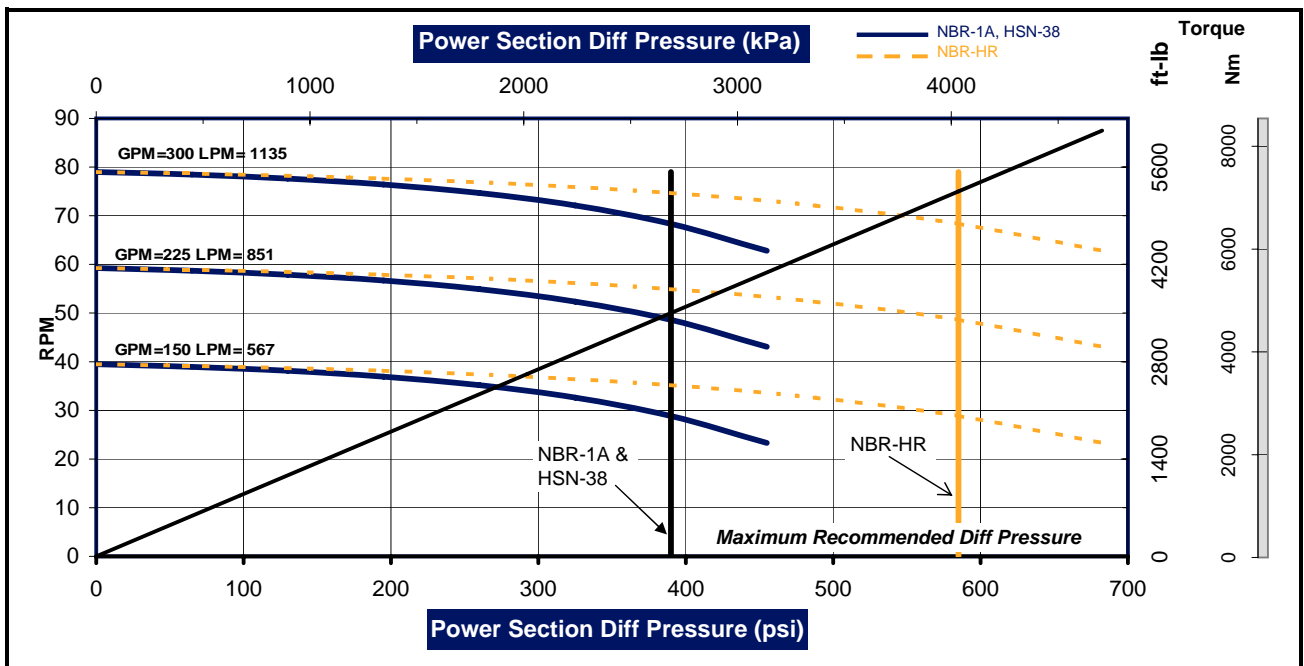
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
	Inch	mm
Stator Size	CONF	CONF
Standard	CONF	CONF
Oversize	CONF	CONF
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.011	0.28
Oversize	-0.013	-0.33
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
	Inch	mm
Stator Size	CONF	CONF
Undersize		
Standard	CONF	CONF
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.003	0.08
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38		NBR-HR
Torque Slope	8.974 ft-lb/psi	1.765 Nm/kPa	Max Diff Press psi (kPa)	390 (2690)	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)	46 (35)	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 2008 Dyna-Drill® Technologies, Inc. All rights reserved.