



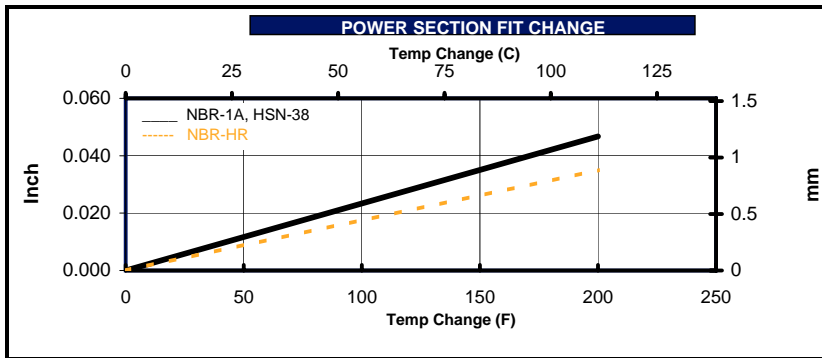
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	197.5	5017
Contour Length	191.0	4851
Eccentricity	0.23	5.84
Major Diameter	4.155	105.54
Head Diameter	3.500	88.90
Weight	561 (lbs) 254.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.2	5161
Rubber Cut Back	7.5	191
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	691 (lbs) 313 (kg)	
Number of Stages	2.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

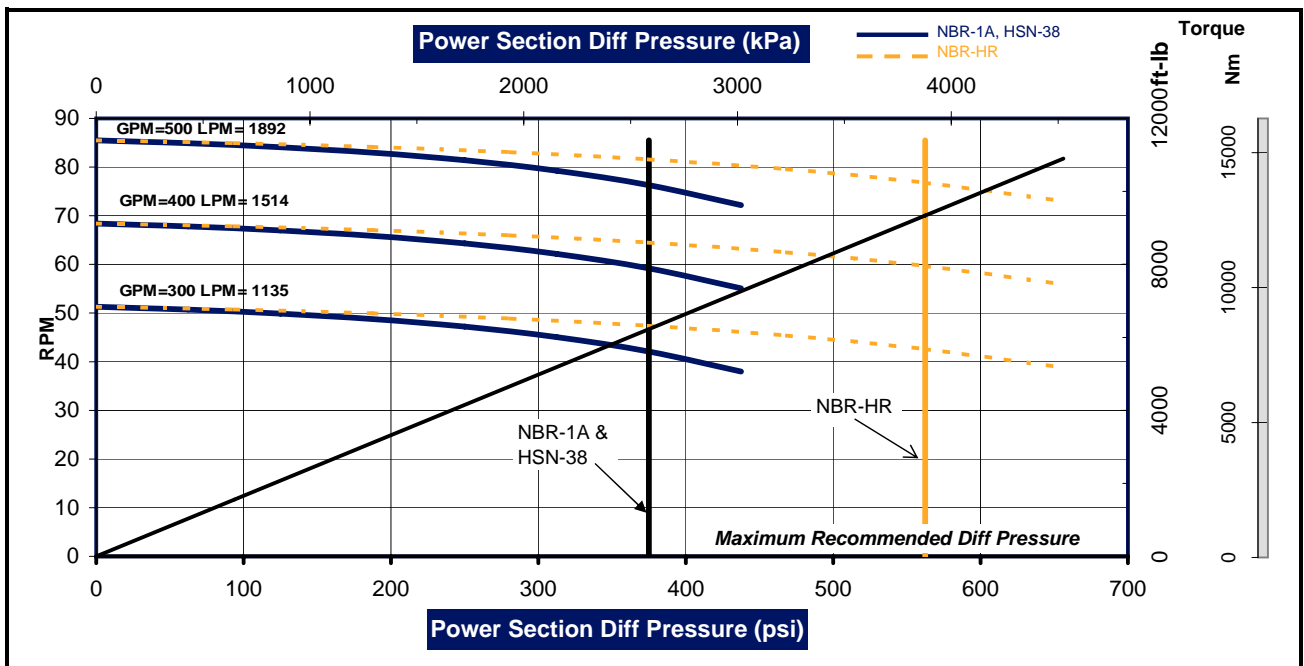
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.680	93.47
Oversize	3.700	93.98
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.015	0.38
Oversize	-0.005	-0.13
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	3.683	93.55
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.012	0.30
Oversize		

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	16.606 ft-lb/psi 3.265 Nm/kPa		Max Diff Press psi (kPa)	380 (2590)	560 (3880)
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min		Max Torque ft-lb (Nm)	6230 (8440)	9340 (12660)
Rotation	0.171 Rev/Gal 0.045 Rev/Litre		Stall Diff Press psi (kPa)	560 (3880)	840 (5820)
Speed Range	51 to 86 RPM		Stall Torque ft-lb (Nm)	9340 (12660)	14010 (18990)
Off Bottom Press	135 psi 930 kPa		Max Recommended HP(kW)	65 (48)	145 (108)



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.