

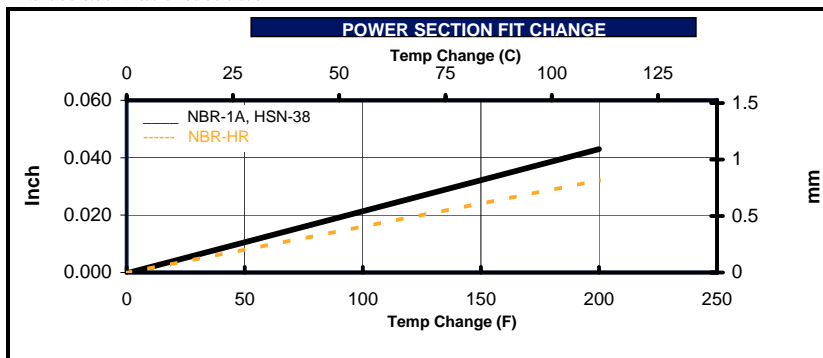
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	129.0	3277
Contour Length	124.0	3150
Eccentricity	0.127	3.23
Major Diameter	2.252	57.20
Head Diameter	1.880	47.80
Weight	113 (lbs) 51.3 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	141.0	3581
Rubber Cut Back	6.0	152
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	175 (lbs) 79 (kg)	
Number of Stages	2.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

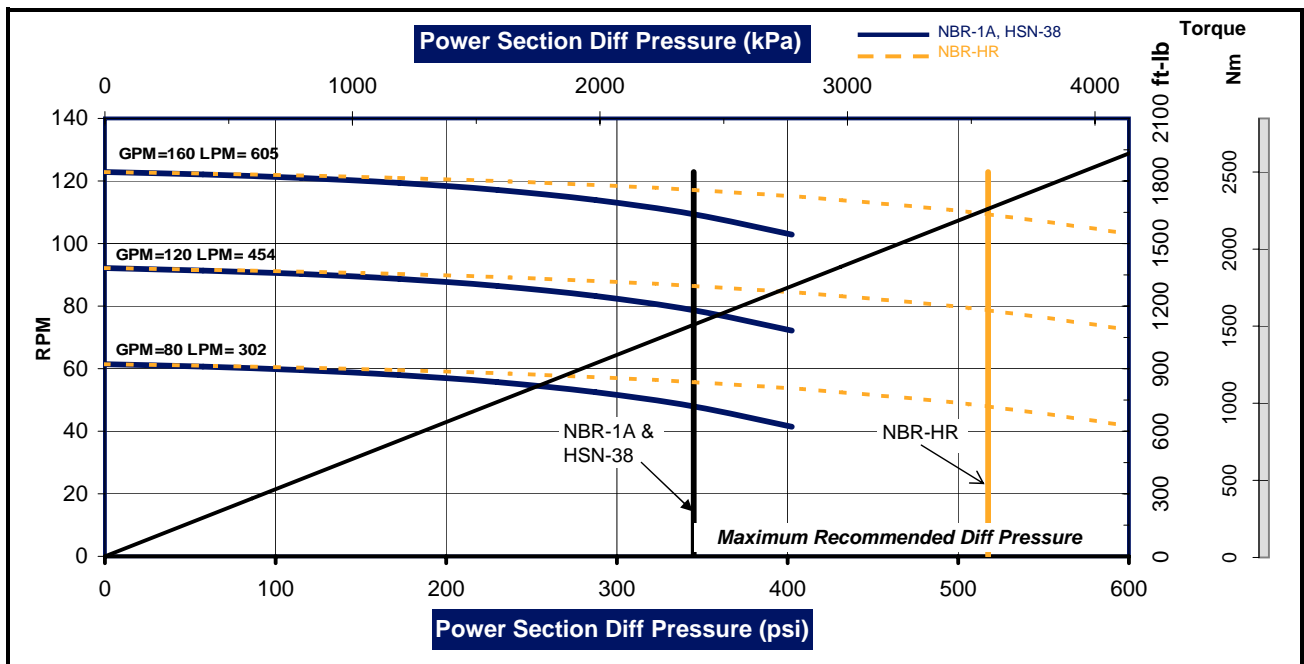
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	1.980	50.29
Oversize	1.999	50.77
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.019	0.48
Oversize	0.000	0.00
Double Oversize		

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	1.987	50.47
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	3.221 ft-lb/psi 0.633 Nm/kPa		Max Diff Press psi (kPa)	350 (2380)	520 (3570)
Flow Range	80 to 160 GPM 300 to 610 Litre/min		Max Torque ft-lb (Nm)	1110 (1510)	1670 (2260)
Rotation	0.768 Rev/Gal 0.203 Rev/Litre		Stall Diff Press psi (kPa)	520 (3570)	780 (5350)
Speed Range	61 to 130 RPM		Stall Torque ft-lb (Nm)	1670 (2260)	2500 (3390)
Off Bottom Press	110 psi 760 kPa		Max Recommended HP(kW)	18 (13)	37 (28)



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.