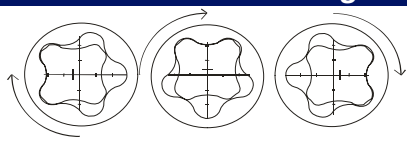
www.dyna-drill.com
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax:(281) 227-1255
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833
Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Model No: DD500783.8
5" 7/8 Lobes 3.8 Stages



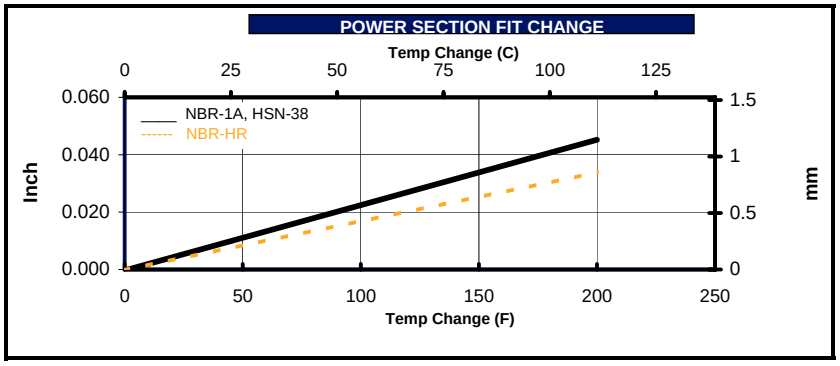
POWER SECTION

ROTOR SPECIFICATIONS	Inch	mm
Overall Length	178.0	4521
Contour Length	172.3	4375
Eccentricity	0.163	4.14
Major Diameter	2.945	74.80
Head Diameter	2.750	69.90
Weight	240 (lbs) 108.9 (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	187.0	4750
Rubber Cut Back	8.0	203
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Weight	485 (lbs) 220 (kg)	
Number of Stages	3.80	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

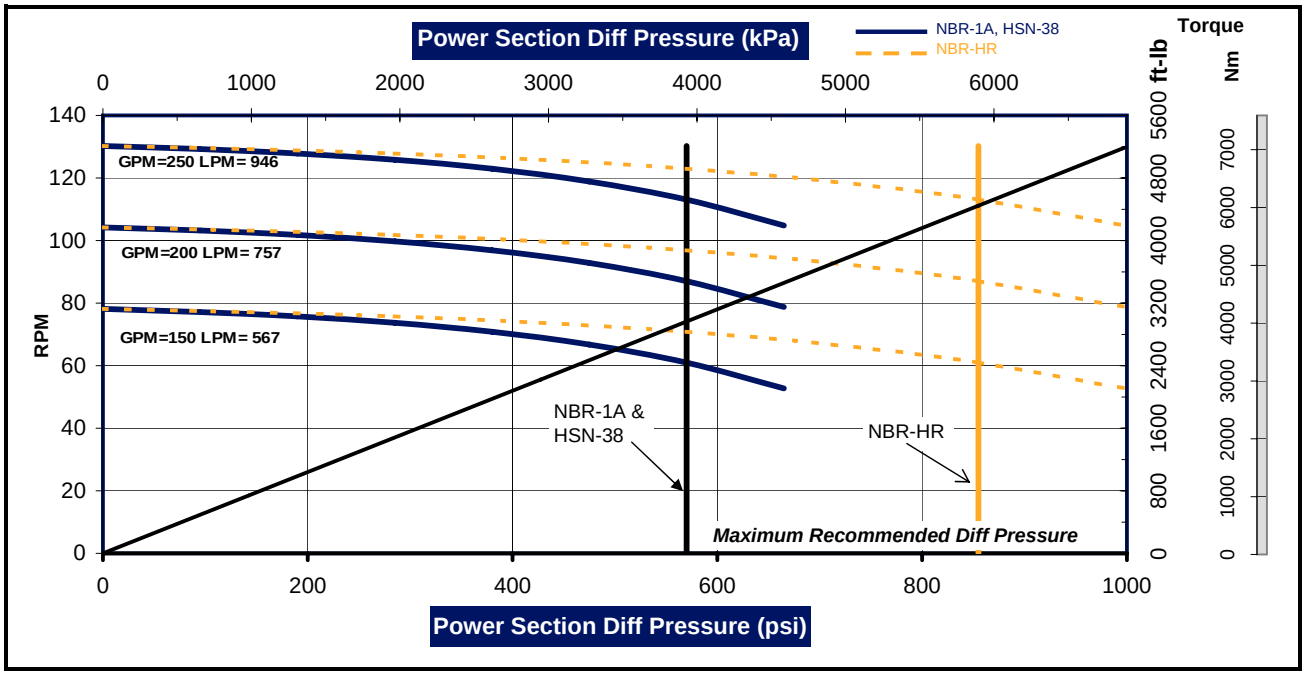
FIT INFORMATION NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.600	66.04
Oversize	2.622	66.60
Double Oversize	2.638	67.01
Nominal Fit at 75 F (25 C)		
Standard	0.019	0.48
Oversize	-0.003	-0.08
Double Oversize	-0.019	-0.48



FIT INFORMATION NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Standard	2.603	66.10
Oversize	2.619	66.50
Double Oversize	2.644	67.20
Nominal Fit at 75 F (25 C)		
Standard	0.016	0.41
Oversize	0.000	0.00
Double Oversize	-0.025	-0.64

PERFORMANCE SPECIFICATIONS	
Torque Slope	5.200 ft-lb/psi 1.023 Nm/kPa
Flow Range	150 to 250 GPM 570 to 950 Litre/min
Rotation	0.521 Rev/Gal 0.138 Rev/Litre
Speed Range	78 to 140 RPM
Off Bottom Press	68 psi 470 kPa

PERFORMANCE DETAILS	NBR-1A AND HSN-38	NBR-HR
Max Diff Press psi (kPa)	570 (3930)	860 (5900)
Max Torque ft-lb (Nm)	2960 (4020)	4450 (6030)
Stall Diff Press psi (kPa)	860 (5900)	1280 (8840)
Stall Torque ft-lb (Nm)	4450 (6030)	6670 (9050)
Max Recommended HP(kW)	65 (48)	104 (78)



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.