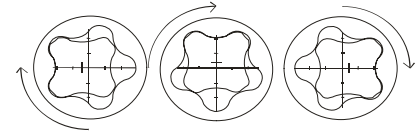




Model No: DD800903.0 ESX

8" 9/10 Lobes 3 Stages



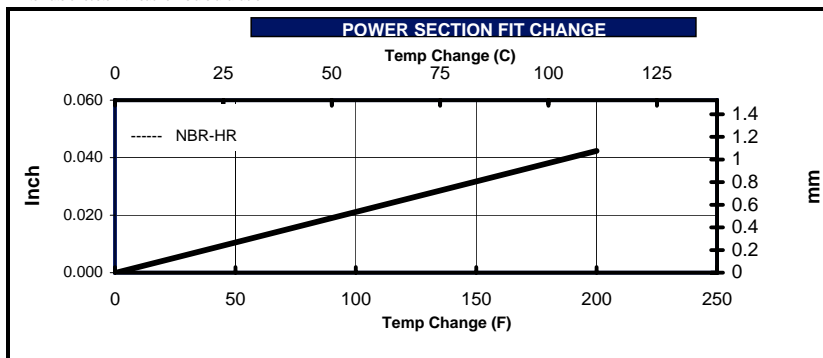
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	223.0	5664
Contour Length	214.0	5436
Eccentricity	0.238	6.05
Major Diameter	CONF	CONF
Head Diameter	4.750	120.70
Weight	1137 (lbs) 515.7 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	234.0	5944
Rubber Cut Back	11.0	279
Tube O.D.	8.00	203.2
Tube I.D.	6.50	165.1
Weight	1248 (lbs) 566 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

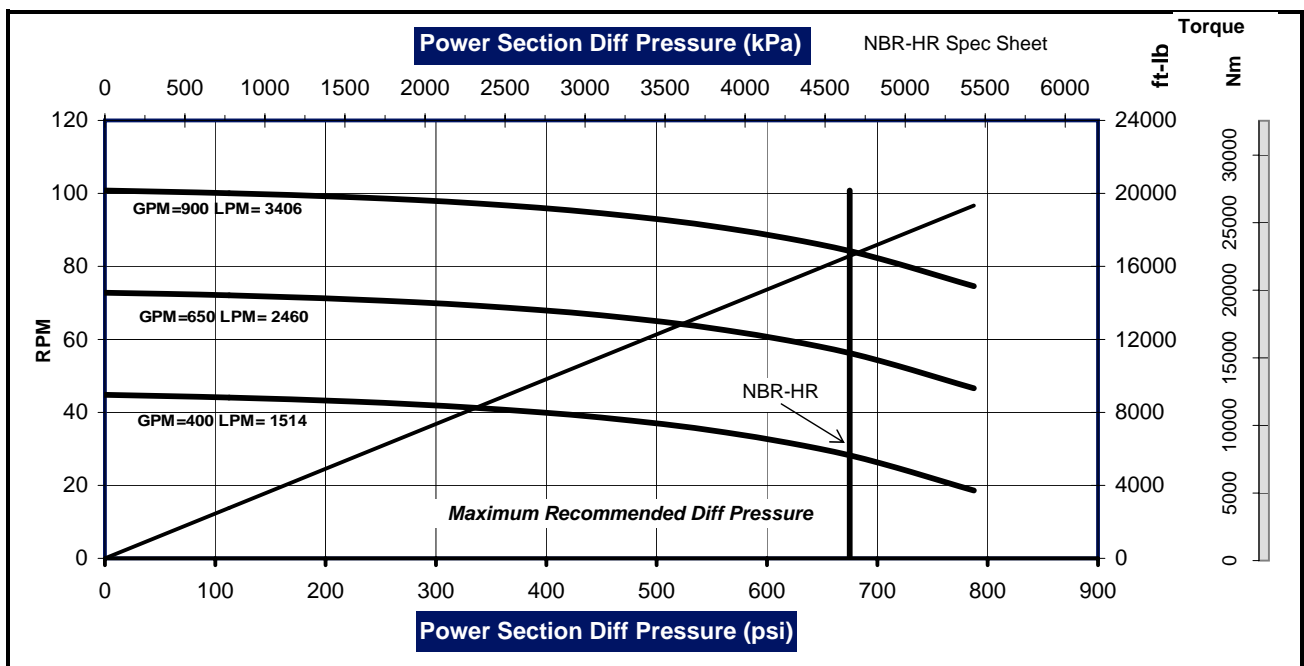
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
	Inch	mm
Stator Size	CONF	CONF
Standard		
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.001	0.03
Oversize		
Double Oversize		

* Alternate or custom thread forms are available



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

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	24.556 ft-lb/psi 4.829 Nm/kPa		Max Diff Press psi (kPa)	450 (3100)	680 (4650)
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min		Max Torque ft-lb (Nm)	11050 (14980)	16580 (22470)
Rotation	0.112 Rev/Gal 0.030 Rev/Litre		Stall Diff Press psi (kPa)	680 (4650)	1010 (6980)
Speed Range	44 to 101 RPM		Stall Torque ft-lb (Nm)	16580 (22470)	24860 (33710)
Off Bottom Press	86 psi 590 kPa		Max Recommended HP(kW)	172 (128)	298 (222)



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 2006 Dyna-Drill® Technologies, Inc. All rights reserved.