

POWER SECTION

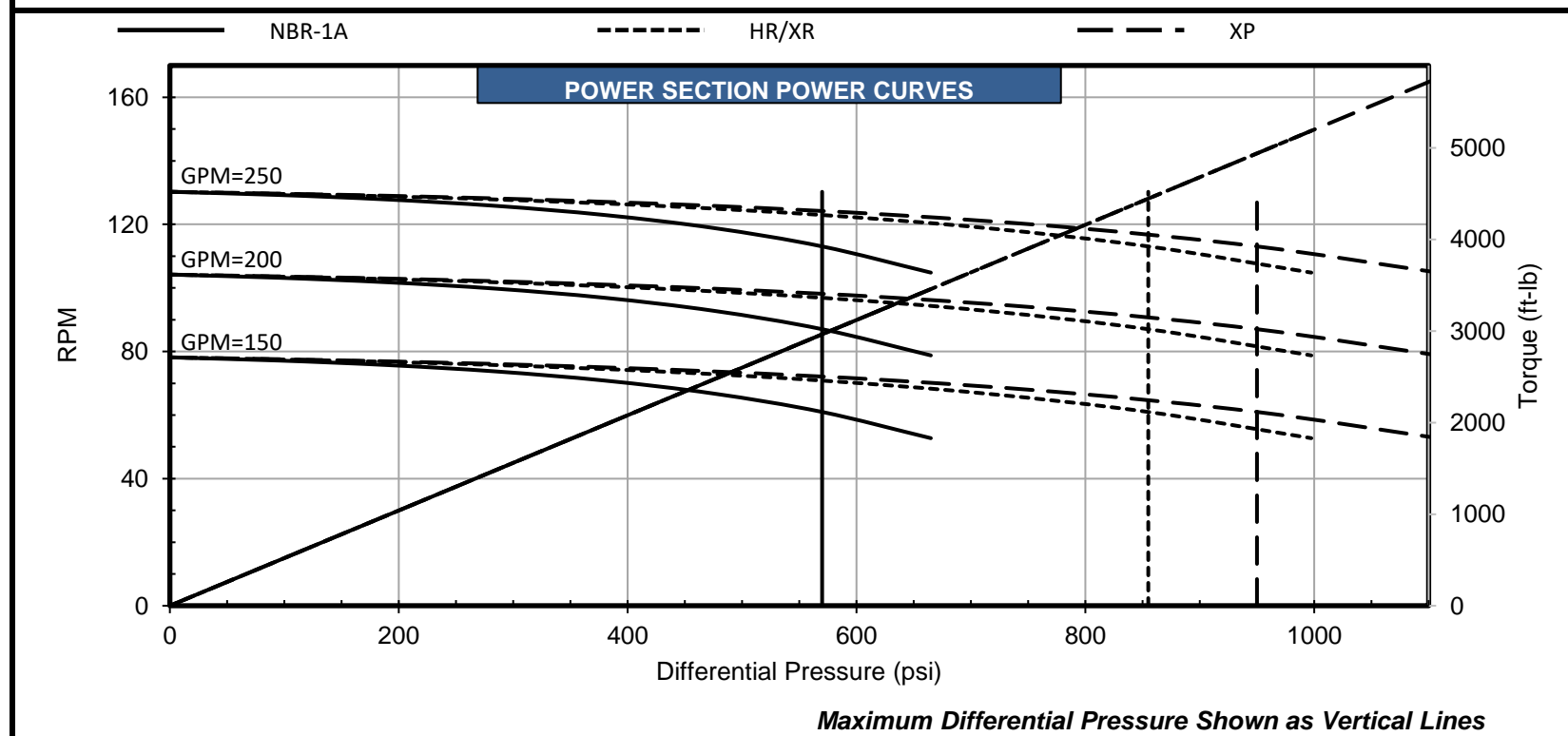
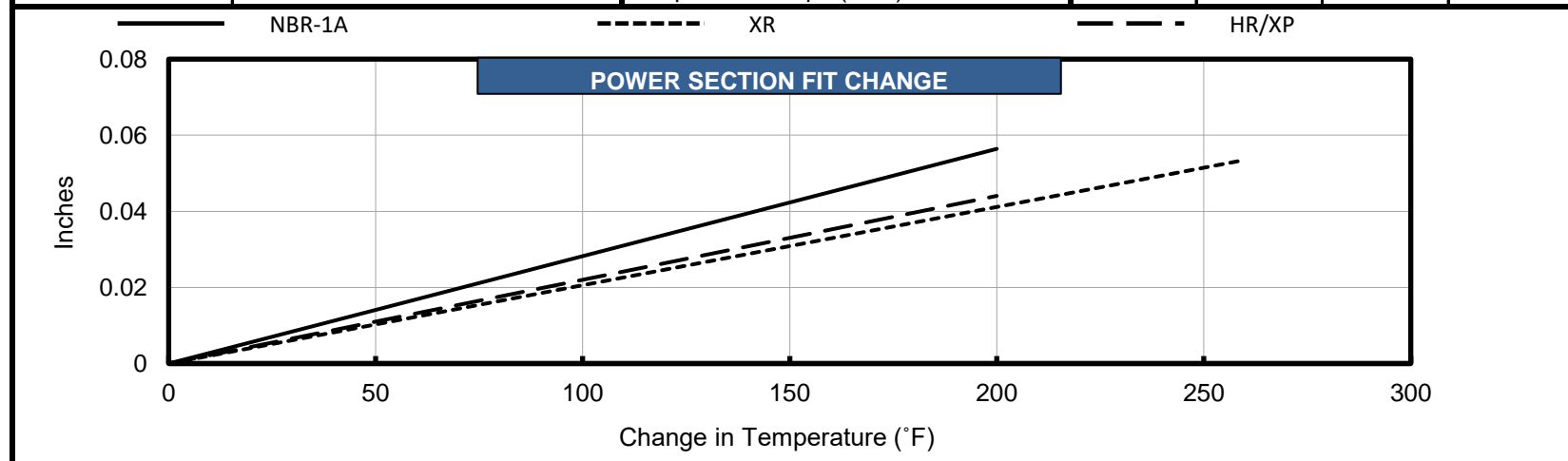
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			2.596	2.596*
Standard	2.606	2.620	2.610	2.610*
1 Oversize	2.622	2.634	2.624	2.624*
2 Oversize	2.638	2.651*	2.651	2.651*
3 Oversize	2.663			
Nominal Fit at 75°F				
1 Undersize			0.023	0.023*
Standard	0.013	-0.001	0.009	0.009*
1 Oversize	-0.003	-0.015	-0.005	-0.005*
2 Oversize	-0.019	-0.032*	-0.032	-0.032*
3 Oversize	-0.044			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	178.0	Overall Length	187.0
Contour Length	172.3	Rubber Cutback #1**	8.0
Eccentricity	0.163	Rubber Cutback #2**	8.0
Major Diameter	2.945	Tube O.D.	5.00
Head Diameter	2.750	Tube I.D.	3.75
Weight (lb)	277	Weight (lb)	485
Material	17-4SS	Number of Stages	3.8
Thread Form**	2 3/8 Hughes External Flush Mod Flat		

*Pending production measurements

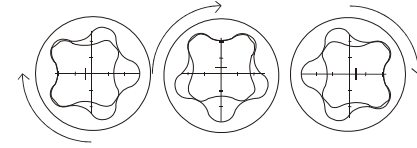
** Alternate or custom thread forms and cutbacks are available upon request

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	5.200 ft-lb/psi	Max. Diff. Press. (psi)	570	860	860	950
Flow Range	150 to 250 GPM	Max. Torque (ft-lb)	2960	4450	4450	4940
RPG	0.521 rev/gal	Stall Diff. Press. (psi)	860	1280	1280	1430
Speed Range	78 to 130 RPM	Stall Torque (ft-lb)	4450	6670	6670	7410
Off Bottom Press.	71 psi	Max. Recommended (HP)	64	96	96	106
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	24	37	37	41
		Temperature Slope (in/°F)	0.000282	0.000206	0.000220	0.000220



Maximum Differential Pressure Shown as Vertical Lines

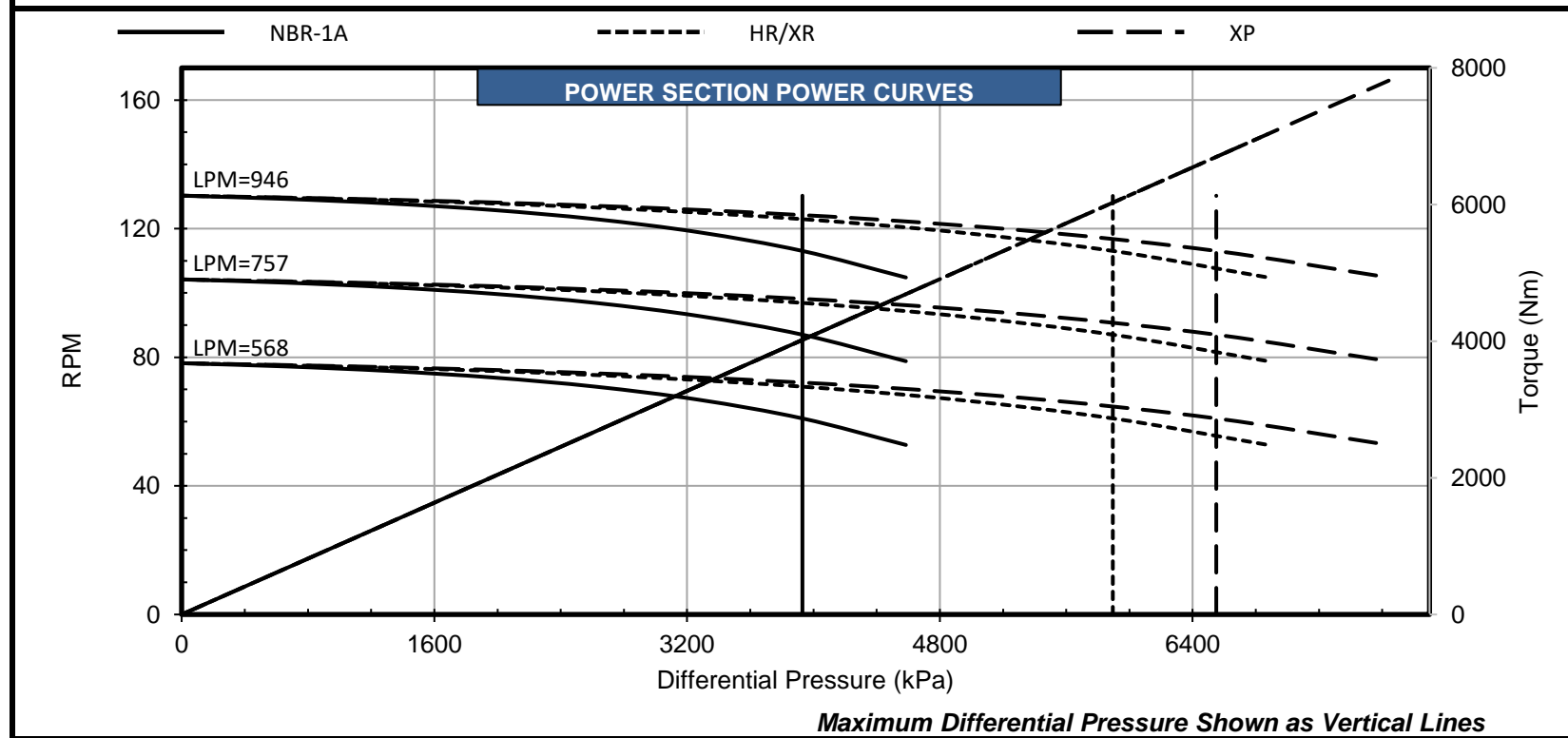
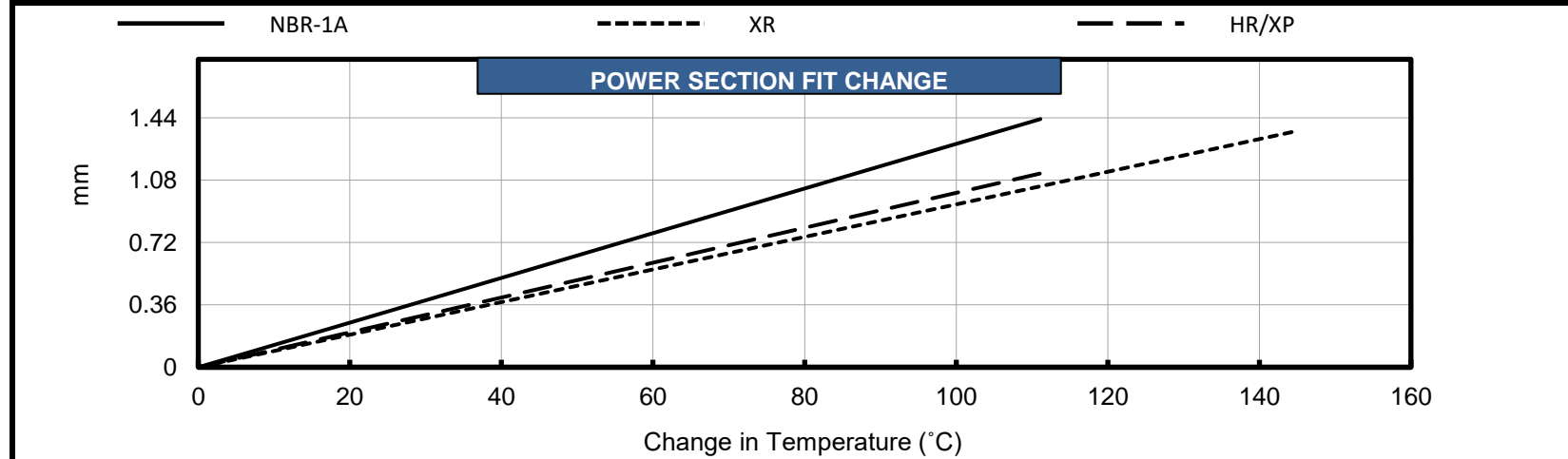
Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance curves are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice. Power calculation is based on maximum RPM and full torque. Stator sizes subject to change without notice.



POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)	(mm)	(mm)	(mm)
		XR	HR	XP				
1 Undersize			65.94	65.94*	Overall Length	4521.2	Overall Length	4749.8
Standard	66.19	66.55	66.29	66.29*	Contour Length	4376.4	Rubber Cutback #1**	203.2
1 Oversize	66.60	66.90	66.65	66.65*	Eccentricity	4.14	Rubber Cutback #2**	203.2
2 Oversize	67.01	67.34*	67.34	67.34*	Major Diameter	74.80	Tube O.D.	127.0
3 Oversize	67.64				Head Diameter	69.85	Tube I.D.	95.3
Nominal Fit at 75°F					Weight (kg)	126	Weight (kg)	220
1 Undersize			0.58	0.58*	Material	17-4SS	Number of Stages	3.8
Standard	0.33	-0.03	0.23	0.23*	Thread	2 3/8 Hughes External Flush Mod Flat		
1 Oversize	-0.08	-0.38	-0.13	-0.13*	*Pending production measurements			
2 Oversize	-0.48	-0.81*	-0.81	-0.81*	** Alternate or custom thread forms and cutbacks are available upon request			
3 Oversize	-1.12							

PERFORMANCE SPECIFICATIONS							
			NBR-1A	XR	HR	XP	
Torque Slope	1.023 Nm/kPa	Max. Diff. Press. (kPa)	3930	5929	5929	6550	
Flow Range	568 to 946 Litre/min	Max. Torque (Nm)	4013	6033	6033	6698	
RPG	0.138 rev/litre	Stall Diff. Press. (kPa)	5929	8825	8825	9860	
Speed Range	78 to 130 RPM	Stall Torque (Nm)	6033	9043	9043	10047	
Off Bottom Press.	490 kPa	Max. Recommended (kW)	48	71	71	79	
		kPa Per Stage	1034	1551	1551	1724	
		kPa Per Cavity	165	255	255	283	
		Temperature Slope (mm/°C)	0.0129	0.0094	0.0101	0.0101	



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