

## POWER SECTION

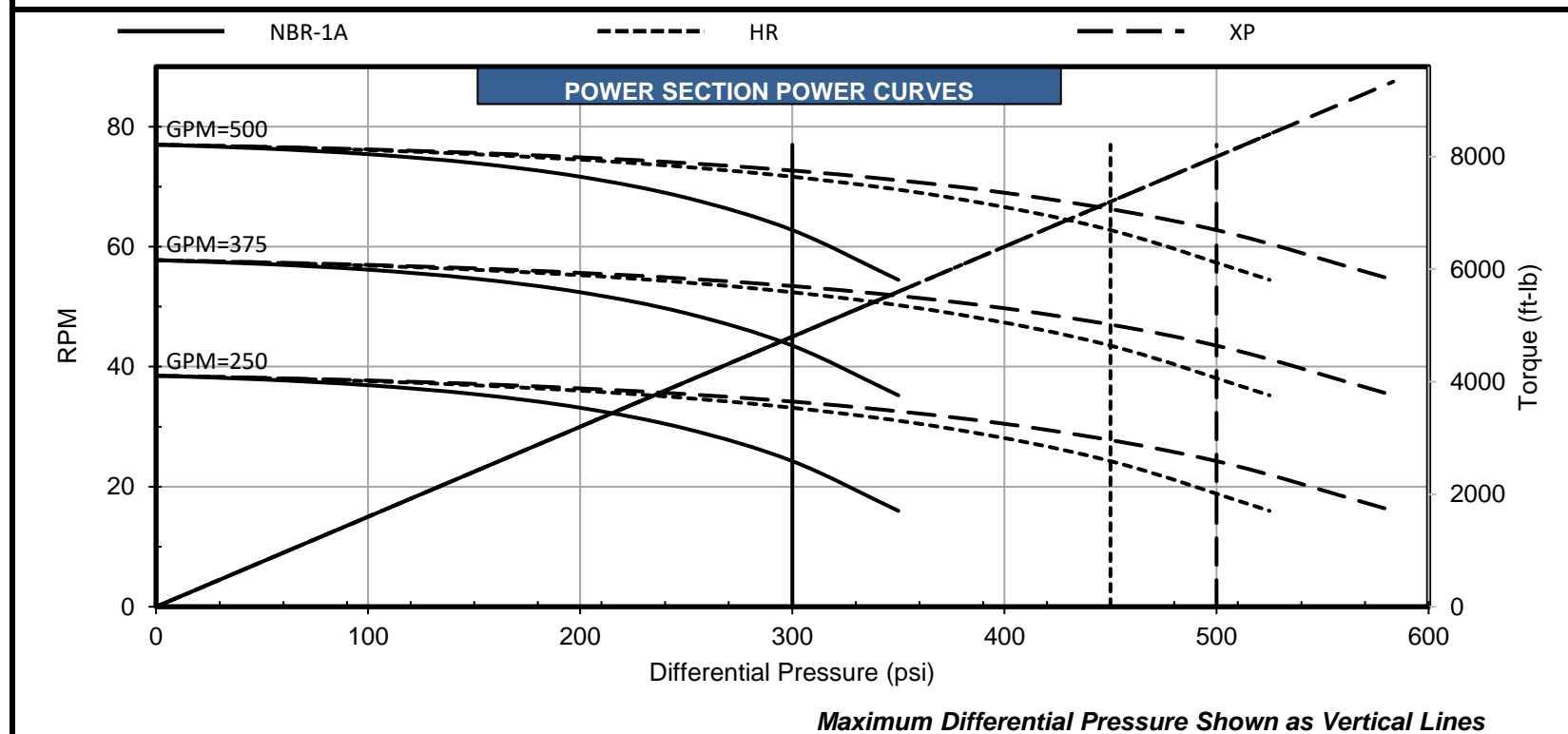
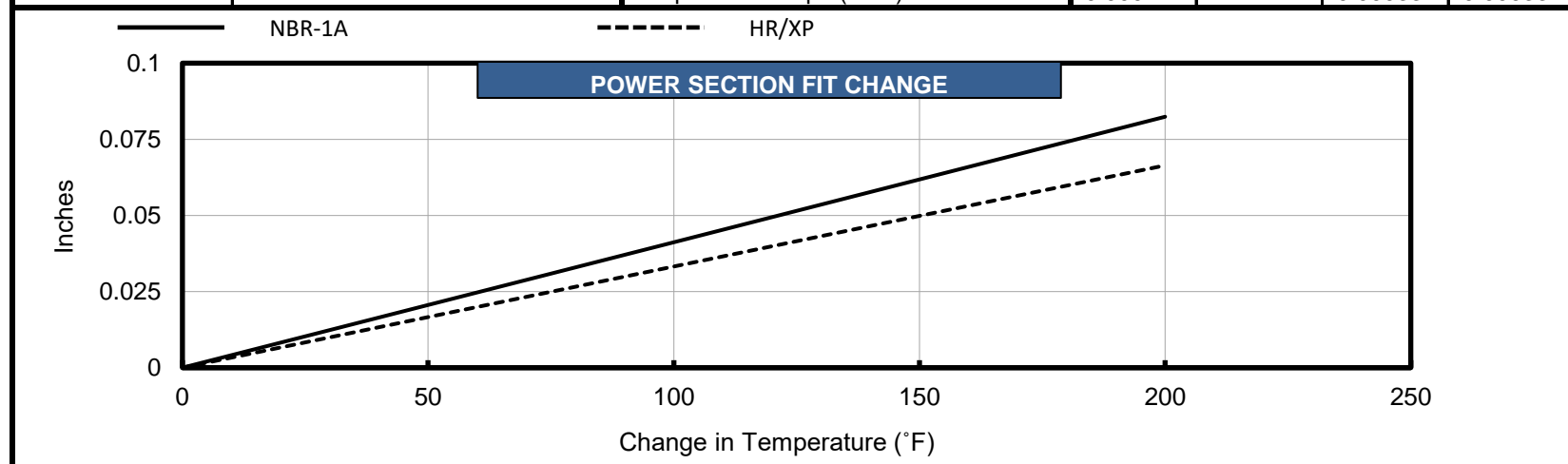
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			3.782	3.782*
Standard	3.805			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.034	0.034*
Standard	0.011			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	145.5	Overall Length	153.5
Contour Length	138.5	Rubber Cutback #1**	8.0
Eccentricity	0.251	Rubber Cutback #2**	8.0
Major Diameter	4.318	Tube O.D.	6.75
Head Diameter	4.000	Tube I.D.	5.50
Weight (lb)	550	Weight (lb)	578
Material	17-4SS	Number of Stages	2.0
Thread Form**	2 7/8 API REG		

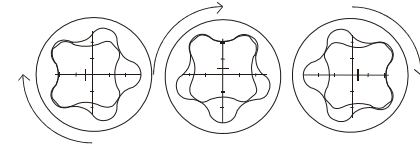
\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	16.000 ft-lb/psi	Max. Diff. Press. (psi)	300		450	500
Flow Range	250 to 500 GPM	Max. Torque (ft-lb)	4800		7200	8000
RPG	0.154 rev/gal	Stall Diff. Press. (psi)	450		680	750
Speed Range	39 to 77 RPM	Stall Torque (ft-lb)	7200		10800	12000
Off Bottom Press.	74 psi	Max. Recommended (HP)	57		86	96
		PSI Per Stage	150		225	250
		PSI Per Cavity	33		50	56
		Temperature Slope (in/°F)	0.000412		0.000332	0.000332



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.



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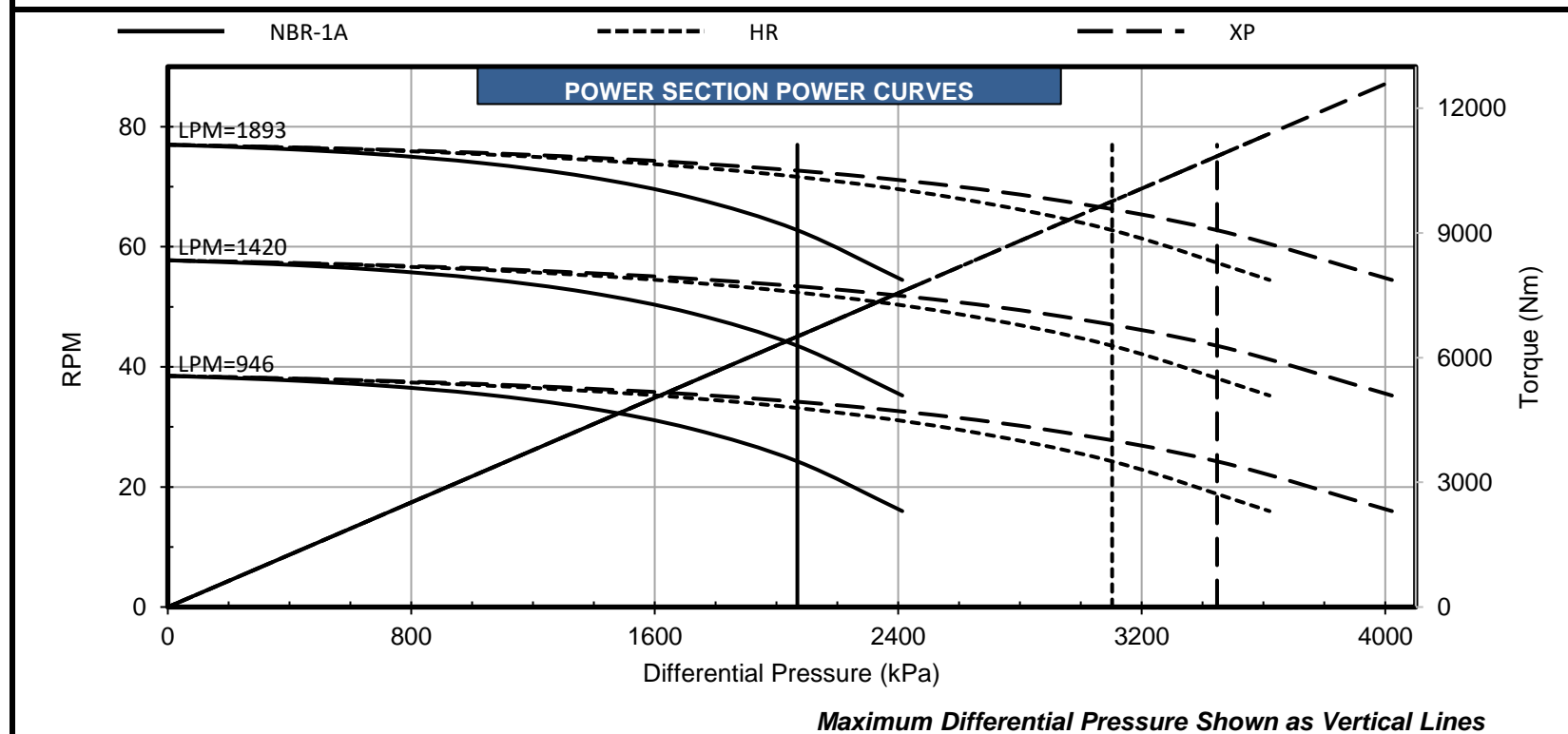
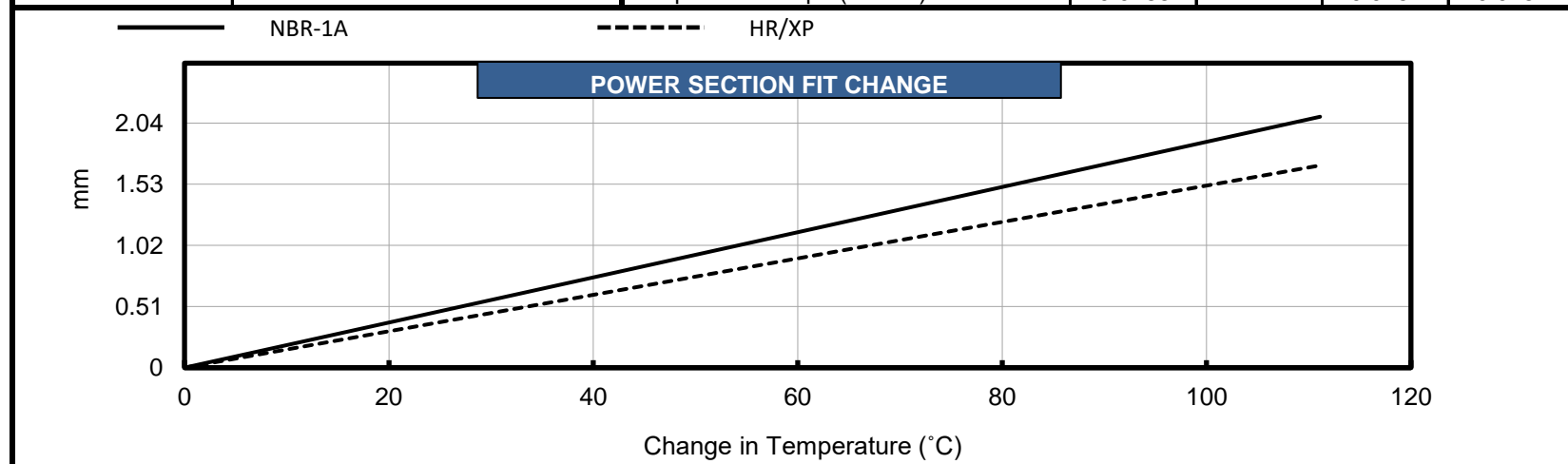
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			96.06	96.06*
Standard	96.65			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.86	0.86*
Standard	0.28			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	3695.7	Overall Length	3898.9
Contour Length	3517.9	Rubber Cutback #1**	203.2
Eccentricity	6.38	Rubber Cutback #2**	203.2
Major Diameter	109.68	Tube O.D.	171.5
Head Diameter	101.60	Tube I.D.	139.7
Weight (kg)	249	Weight (kg)	262
Material	17-4SS	Number of Stages	2.0
Thread Form**	2 7/8 API REG		

\*Pending production measurements

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PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	3.146 Nm/kPa	2068		3103	3447
Flow Range	946 to 1893 Litre/min	6508		9762	10847
RPG	0.041 rev/litre	3103		4688	5171
Speed Range	39 to 77 RPM	9762		14643	16270
Off Bottom Press.	510 kPa	43		64	71
		kPa Per Stage	1034	1551	1724
		kPa Per Cavity	228	345	386
		Temperature Slope (mm/°C)	0.0188	0.0152	0.0152



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