

## POWER SECTION

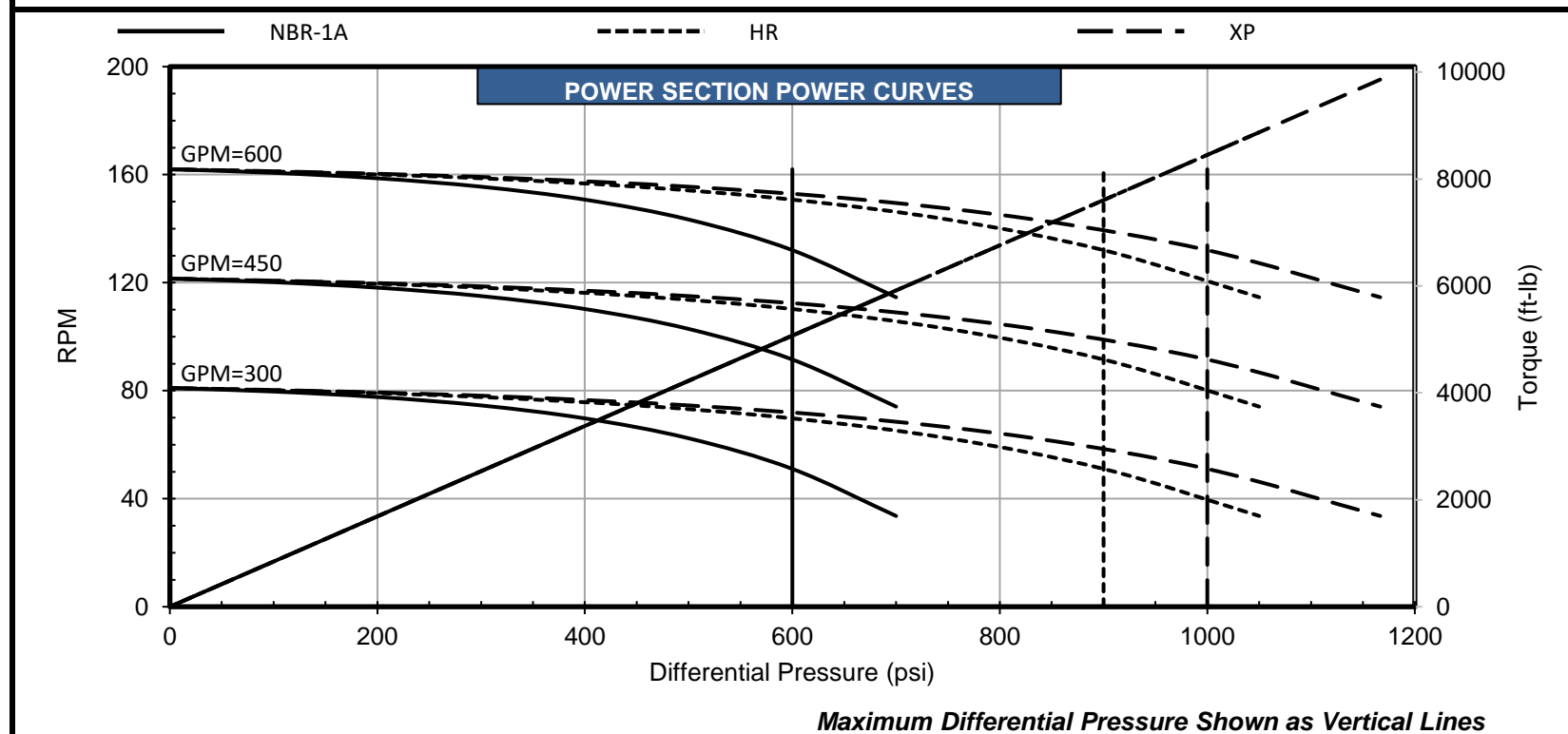
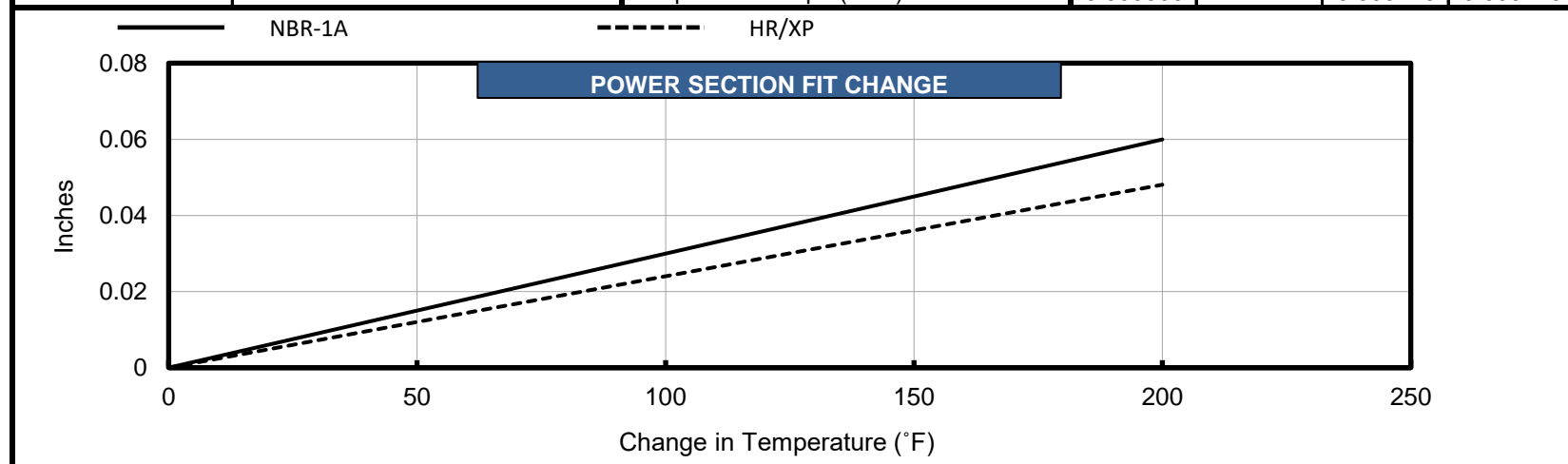
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			4.517	4.517*
Standard	4.535			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.025	0.025*
Standard	0.007			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	152.0	Overall Length	157.8
Contour Length	143.5	Rubber Cutback #1**	10.0
Eccentricity	0.201	Rubber Cutback #2**	10.0
Major Diameter	4.943	Tube O.D.	6.75
Head Diameter	4.120	Tube I.D.	5.59
Weight (lb)	685	Weight (lb)	527
Material	17-4SS	Number of Stages	4.0
Thread Form**	2 7/8 API REG		

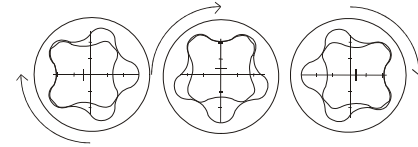
\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	8.450 ft-lb/psi	Max. Diff. Press. (psi)	600		900	1000
Flow Range	300 to 600 GPM	Max. Torque (ft-lb)	5070		7610	8450
RPG	0.270 rev/gal	Stall Diff. Press. (psi)	900		1350	1500
Speed Range	81 to 162 RPM	Stall Torque (ft-lb)	7610		11410	12680
Off Bottom Press.	121 psi	Max. Recommended (HP)	127		191	212
		PSI Per Stage	150		225	250
		PSI Per Cavity	19		29	32
		Temperature Slope (in/°F)	0.000300		0.000240	0.000240



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.



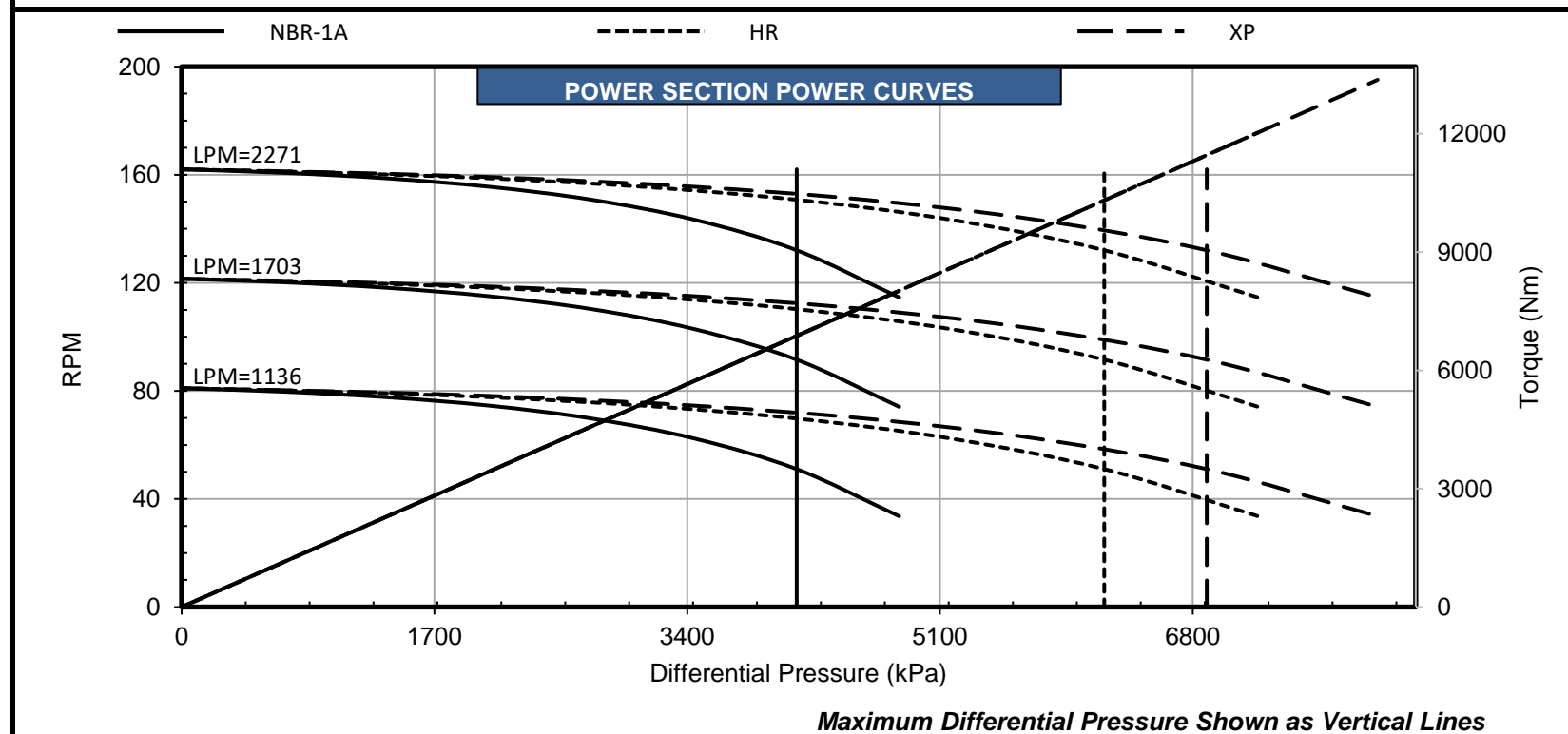
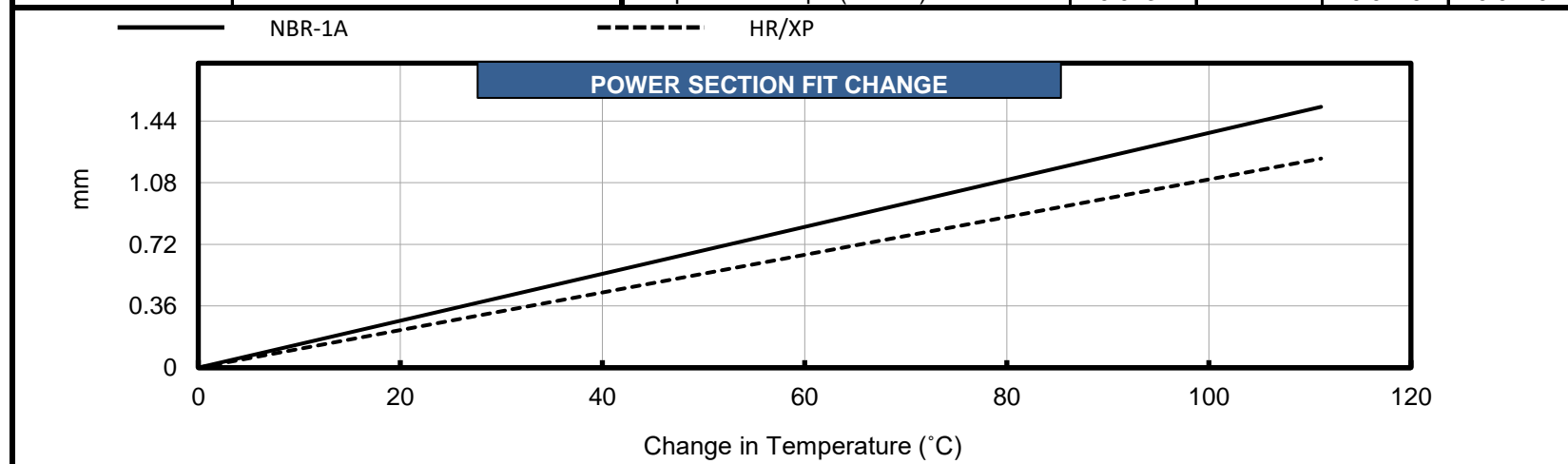
## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)	(mm)	(mm)	(mm)
		XR	HR	XP				
1 Undersize			114.73	114.73*	Overall Length	3860.8	Overall Length	4008.1
Standard	115.19				Contour Length	3644.9	Rubber Cutback #1**	254.0
1 Oversize					Eccentricity	5.09	Rubber Cutback #2**	254.0
2 Oversize					Major Diameter	125.55	Tube O.D.	171.5
Nominal Fit at 75°F					Head Diameter	104.65	Tube I.D.	142.0
1 Undersize			0.64	0.64*	Weight (kg)	311	Weight (kg)	239
Standard	0.18				Material	17-4SS	Number of Stages	4.0
1 Oversize					Thread Form**	2 7/8 API REG		
2 Oversize								

\*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.662 Nm/kPa	Max. Diff. Press. (kPa)	4137		6205	6895
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)	6874		10318	11457
RPG	0.071 rev/litre	Stall Diff. Press. (kPa)	6205		9308	10342
Speed Range	81 to 162 RPM	Stall Torque (Nm)	10318		15470	17192
Off Bottom Press.	834 kPa	Max. Recommended (kW)	95		143	158
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	131		200	221
		Temperature Slope (mm/°C)	0.0137		0.0110	0.0110



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.