



POWER SECTION

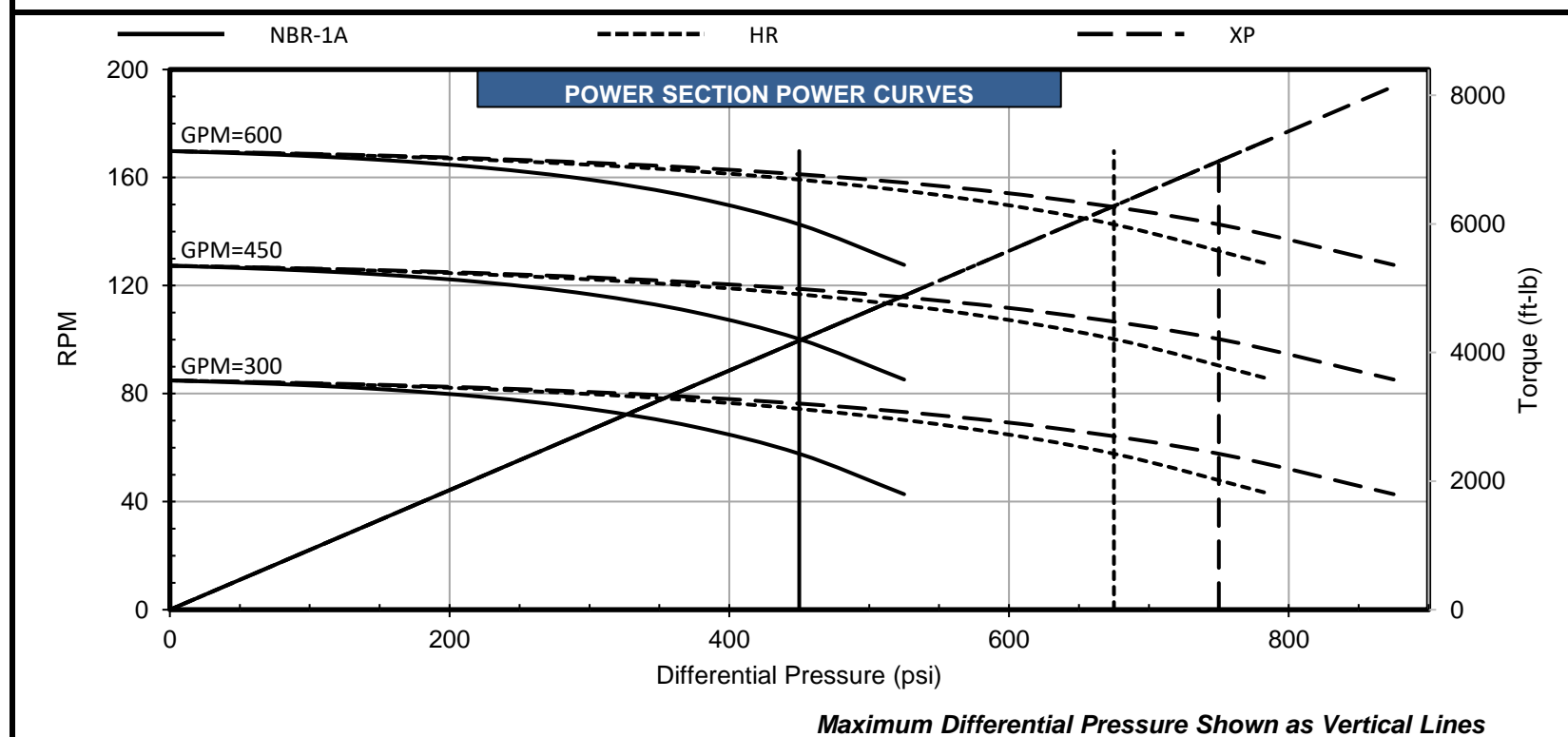
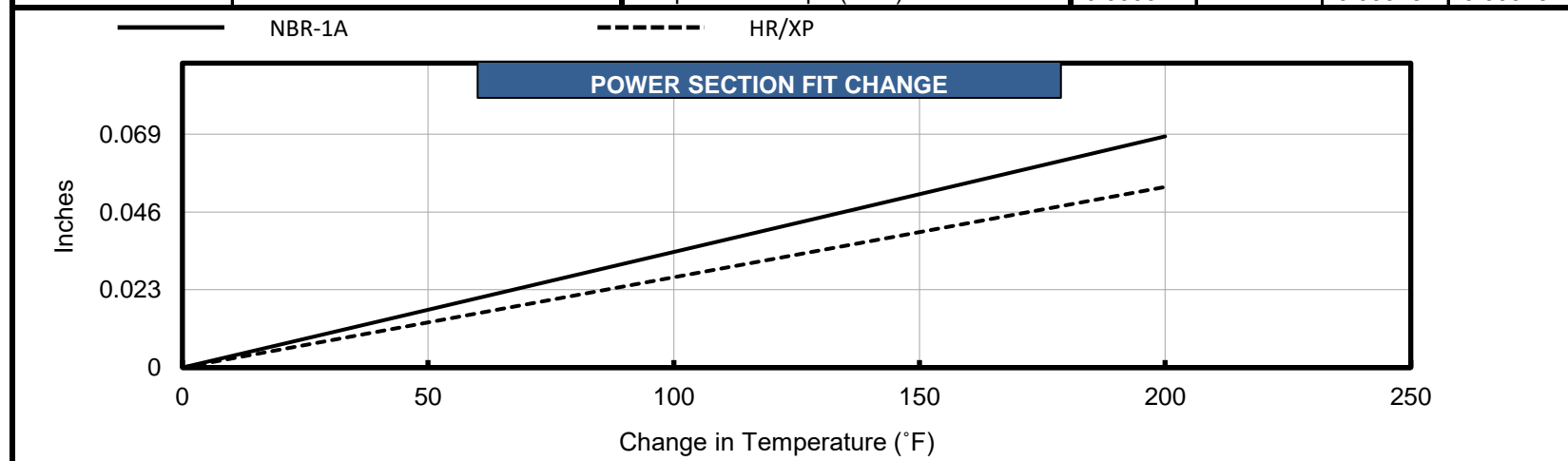
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			3.973	3.973*
Standard	3.985		3.995	3.995*
1 Oversize	4.003		4.012	4.012*
2 Oversize	4.037			
Nominal Fit at 75°F				
1 Undersize			0.035	0.035*
Standard	0.023		0.013	0.013*
1 Oversize	0.005		-0.004	-0.004*
2 Oversize	-0.029			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	118.5	Overall Length	125.0
Contour Length	111.8	Rubber Cutback #1**	7.3
Eccentricity	0.256	Rubber Cutback #2**	7.3
Major Diameter	4.520	Tube O.D.	6.75
Head Diameter	4.000	Tube I.D.	5.50
Weight (lb)	357	Weight (lb)	463
Material	17-4SS	Number of Stages	3.0
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	9.300 ft-lb/psi	450		680	750
Flow Range	300 to 600 GPM	4190		6280	6980
RPG	0.283 rev/gal	680		1010	1130
Speed Range	85 to 170 RPM	6280		9420	10460
Off Bottom Press.	133 psi	114		171	189
		150		225	250
		26		40	44
	Temperature Slope (in/°F)	0.000342		0.000267	0.000267



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

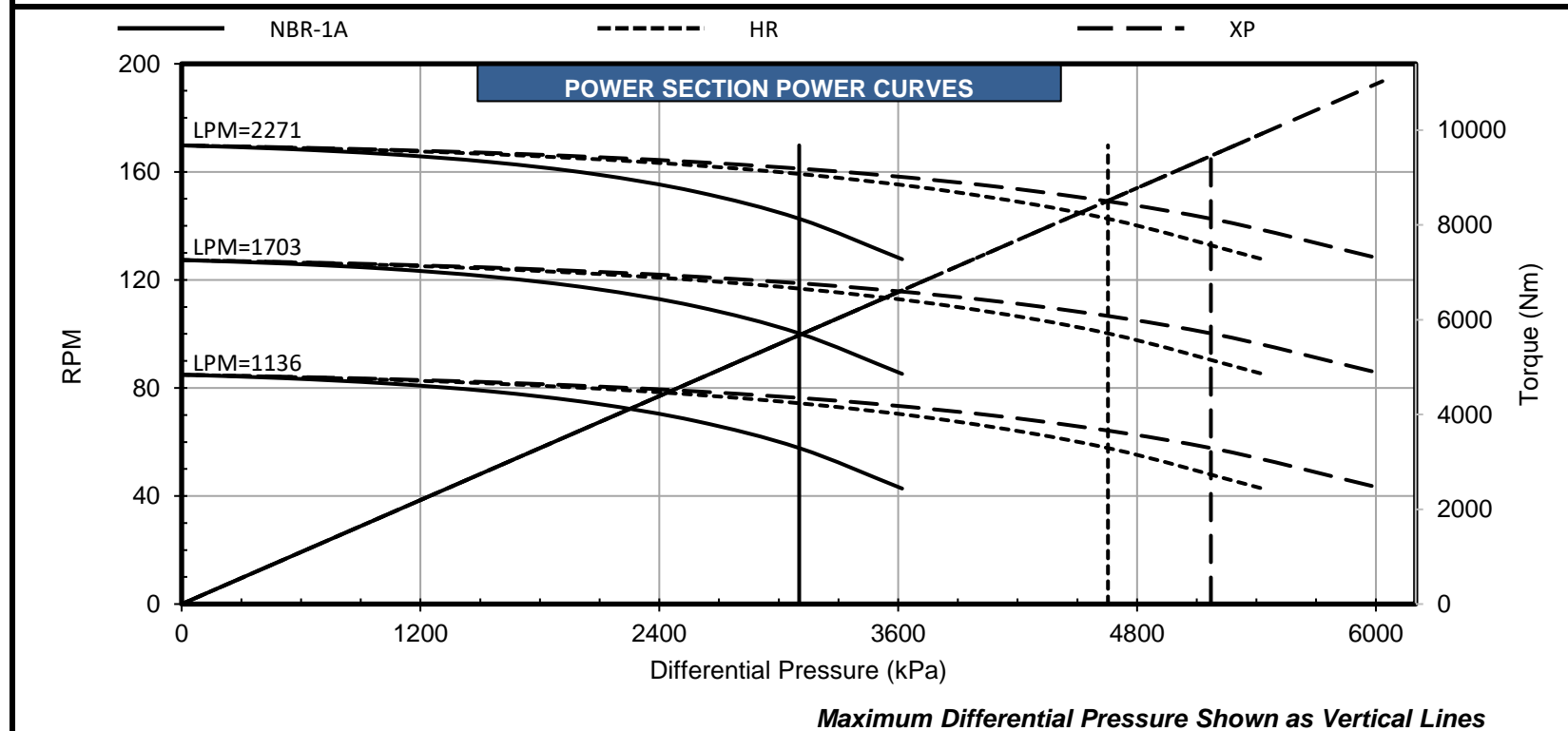
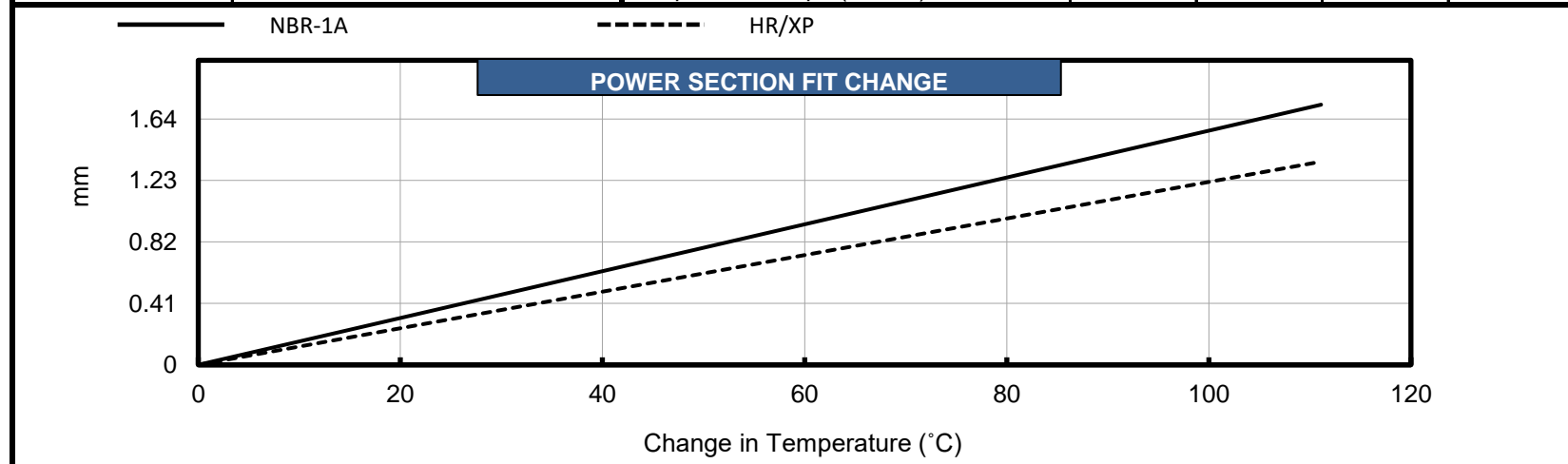
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			100.91	100.91*
Standard	101.22		101.47	101.47*
1 Oversize	101.68		101.90	101.90*
2 Oversize	102.54			
Nominal Fit at 75°F				
1 Undersize			0.89	0.89*
Standard	0.58		0.33	0.33*
1 Oversize	0.13		-0.10	-0.10*
2 Oversize	-0.74			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	3009.9	Overall Length	3175.0
Contour Length	2839.7	Rubber Cutback #1**	185.4
Eccentricity	6.50	Rubber Cutback #2**	185.4
Major Diameter	114.81	Tube O.D.	171.5
Head Diameter	101.60	Tube I.D.	139.7
Weight (kg)	162	Weight (kg)	210
Material	17-4SS	Number of Stages	3.0
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	1.829 Nm/kPa	Max. Diff. Press. (kPa)	3103		4688	5171
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)	5681		8515	9464
RPG	0.075 rev/litre	Stall Diff. Press. (kPa)	4688		6964	7791
Speed Range	85 to 170 RPM	Stall Torque (Nm)	8515		12772	14182
Off Bottom Press.	917 kPa	Max. Recommended (kW)	85		127	141
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	179		276	303
		Temperature Slope (mm/°C)	0.0156		0.0122	0.0122



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.