

POWER SECTION

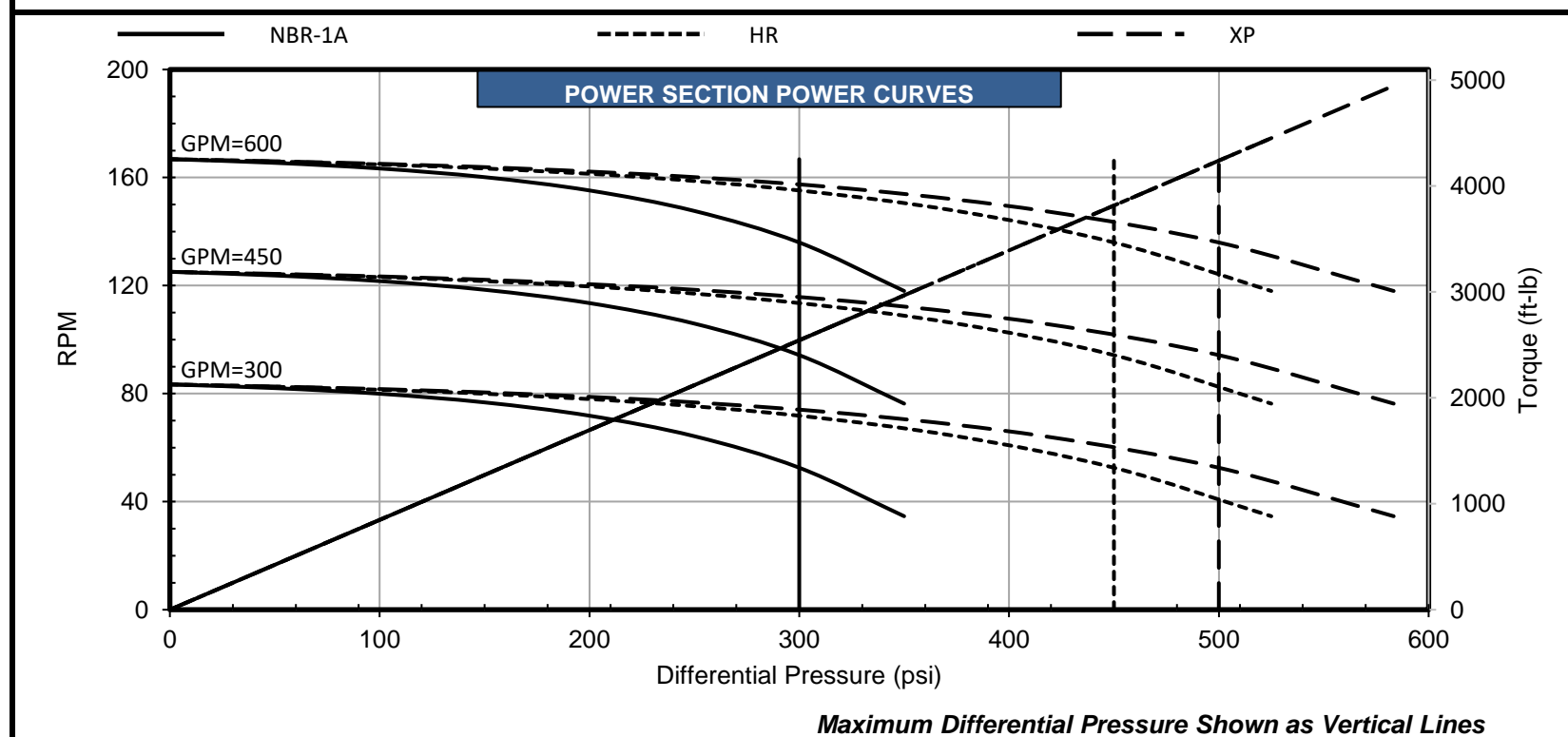
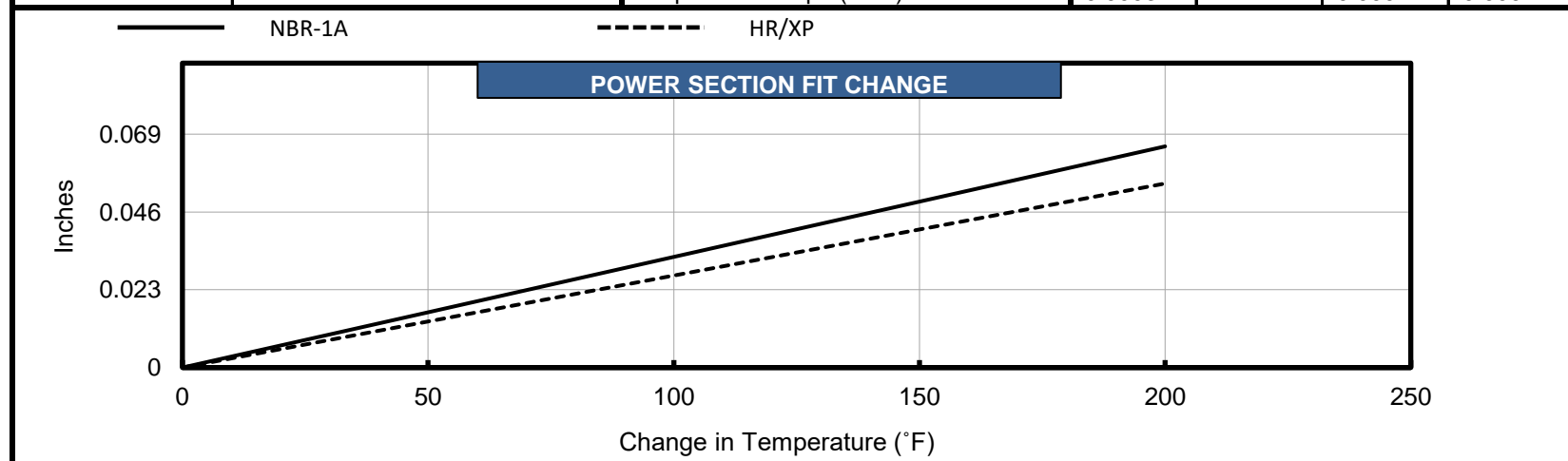
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			4.382	4.382*
Standard	4.389			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.026	0.026*
Standard	0.018			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	85.0	Overall Length	90.8
Contour Length	75.2	Rubber Cutback #1**	10.0
Eccentricity	0.211	Rubber Cutback #2**	10.0
Major Diameter	4.830	Tube O.D.	6.75
Head Diameter	4.060	Tube I.D.	5.59
Weight (lb)	357	Weight (lb)	293
Material	17-4SS	Number of Stages	2.0
Thread Form**	2 7/8 API REG		

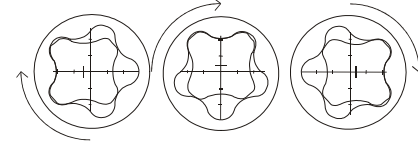
*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	8.480 ft-lb/psi	Max. Diff. Press. (psi)	300		450	500
Flow Range	300 to 600 GPM	Max. Torque (ft-lb)	2540		3820	4240
RPG	0.278 rev/gal	Stall Diff. Press. (psi)	450		680	750
Speed Range	83 to 167 RPM	Stall Torque (ft-lb)	3820		5720	6360
Off Bottom Press.	107 psi	Max. Recommended (HP)	66		99	110
		PSI Per Stage	150		225	250
		PSI Per Cavity	27		41	45
		Temperature Slope (in/°F)	0.000327		0.000272	0.000272



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

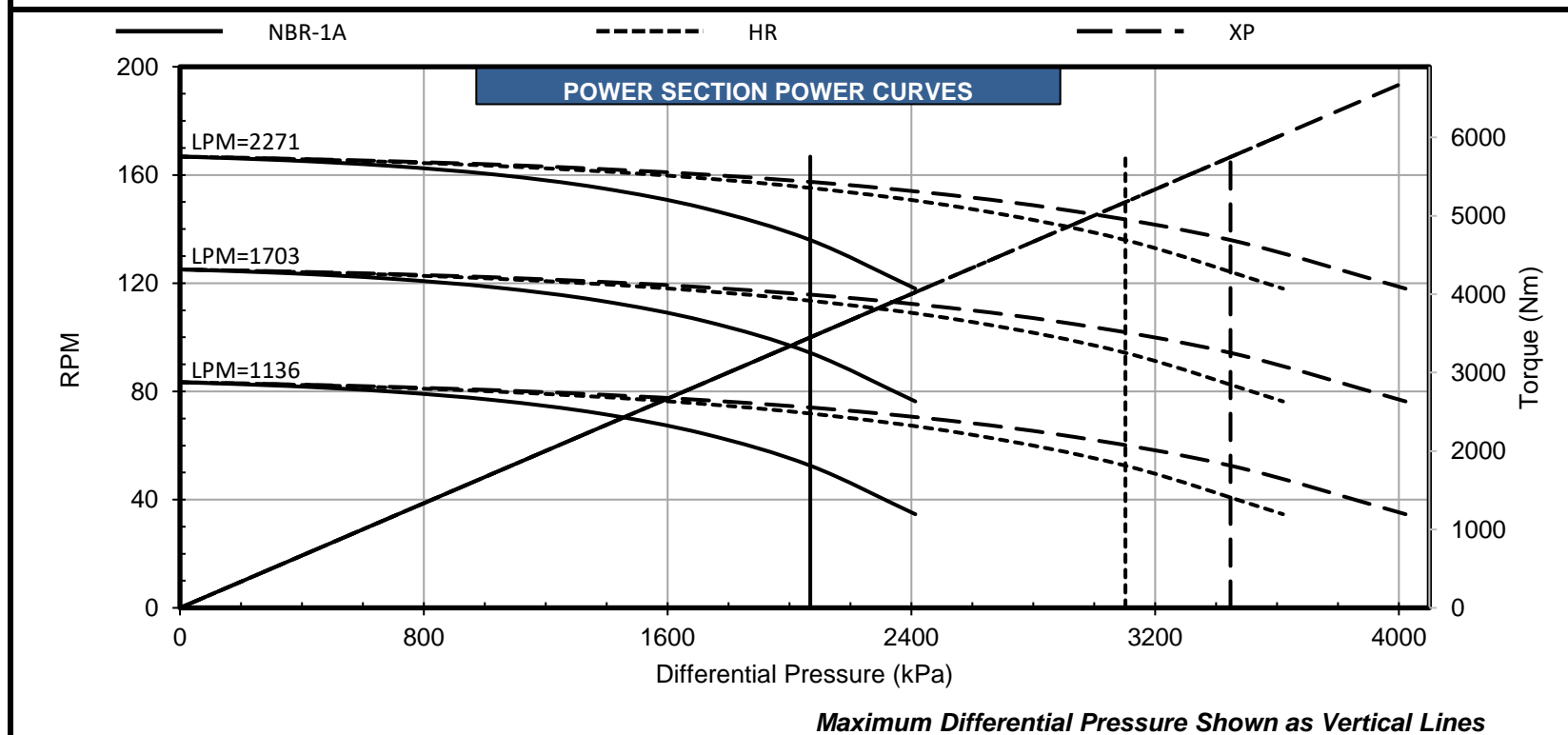
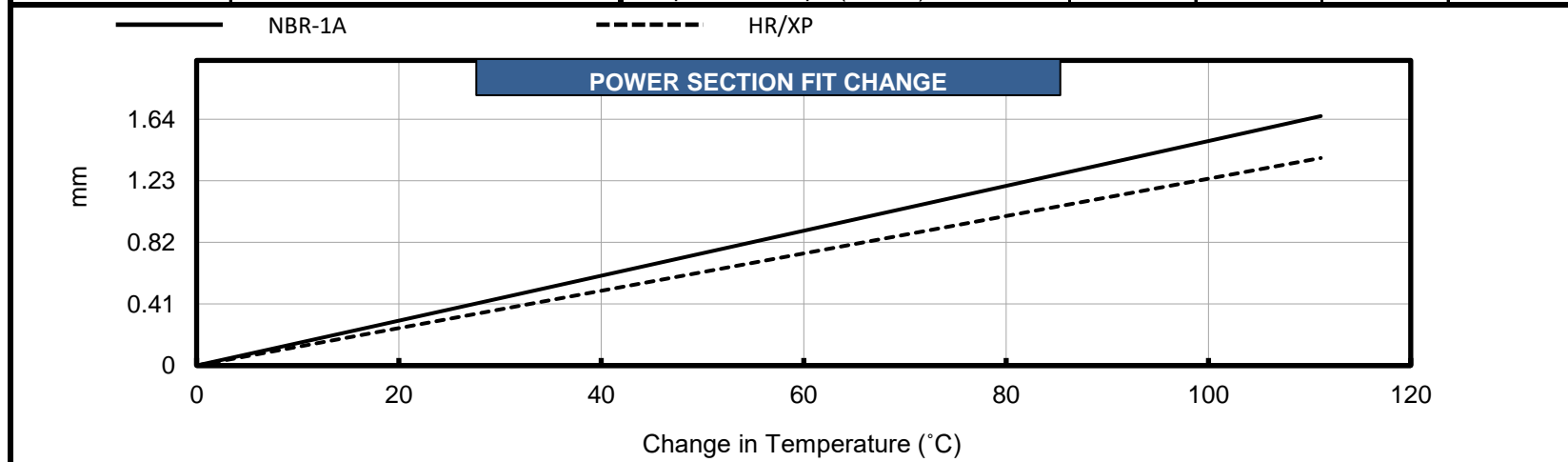
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			111.30	111.30*
Standard	111.48			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.66	0.66*
Standard	0.46			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	2159.0	Overall Length	2306.3
Contour Length	1910.1	Rubber Cutback #1**	254.0
Eccentricity	5.37	Rubber Cutback #2**	254.0
Major Diameter	122.68	Tube O.D.	171.5
Head Diameter	103.12	Tube I.D.	142.0
Weight (kg)	162	Weight (kg)	133
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	1.668 Nm/kPa	Max. Diff. Press. (kPa)	2068		3103	3447
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)	3444		5179	5749
RPG	0.073 rev/litre	Stall Diff. Press. (kPa)	3103		4688	5171
Speed Range	83 to 167 RPM	Stall Torque (Nm)	5179		7755	8623
Off Bottom Press.	738 kPa	Max. Recommended (kW)	49		74	82
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	186		283	310
		Temperature Slope (mm/°C)	0.0149		0.0124	0.0124



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.