



POWER SECTION

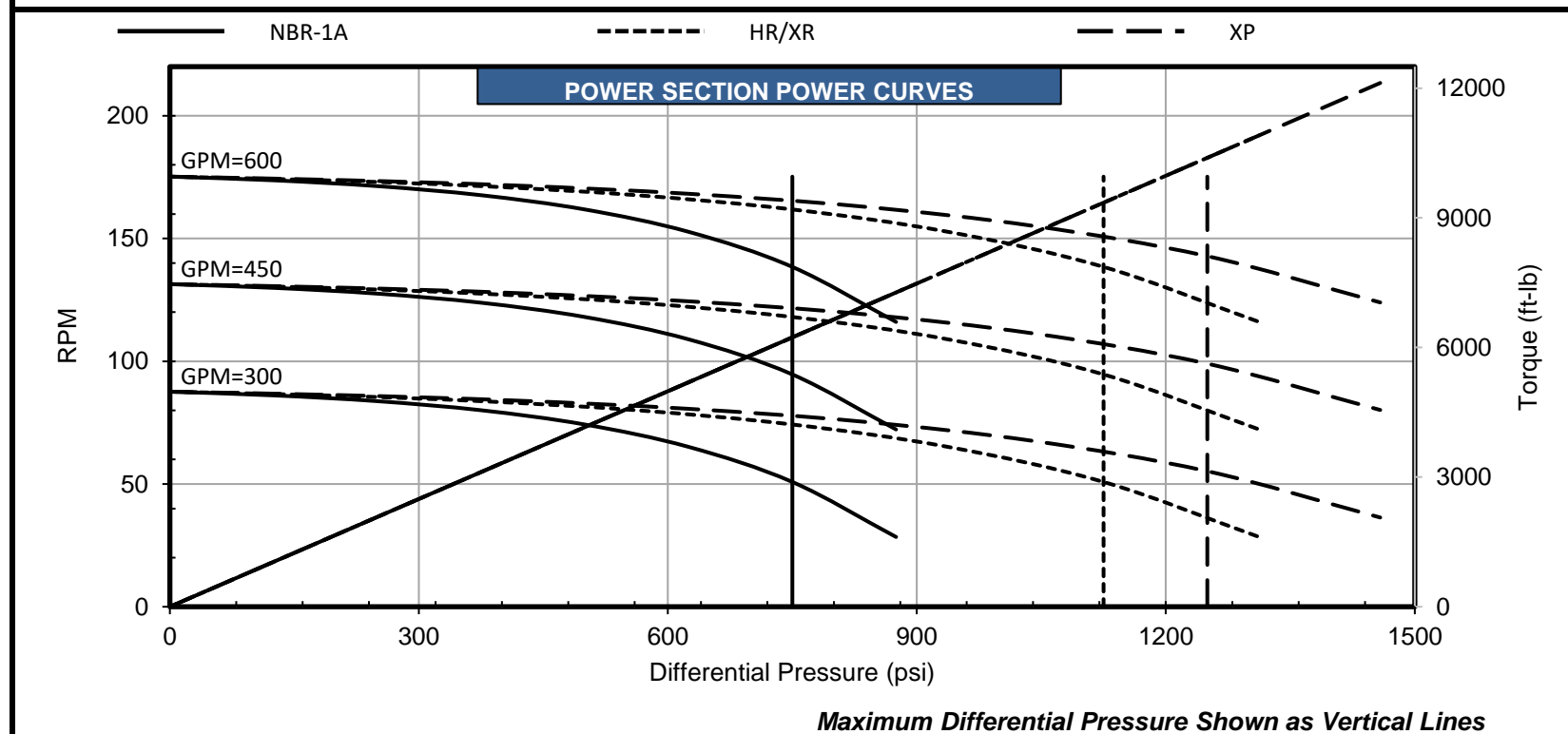
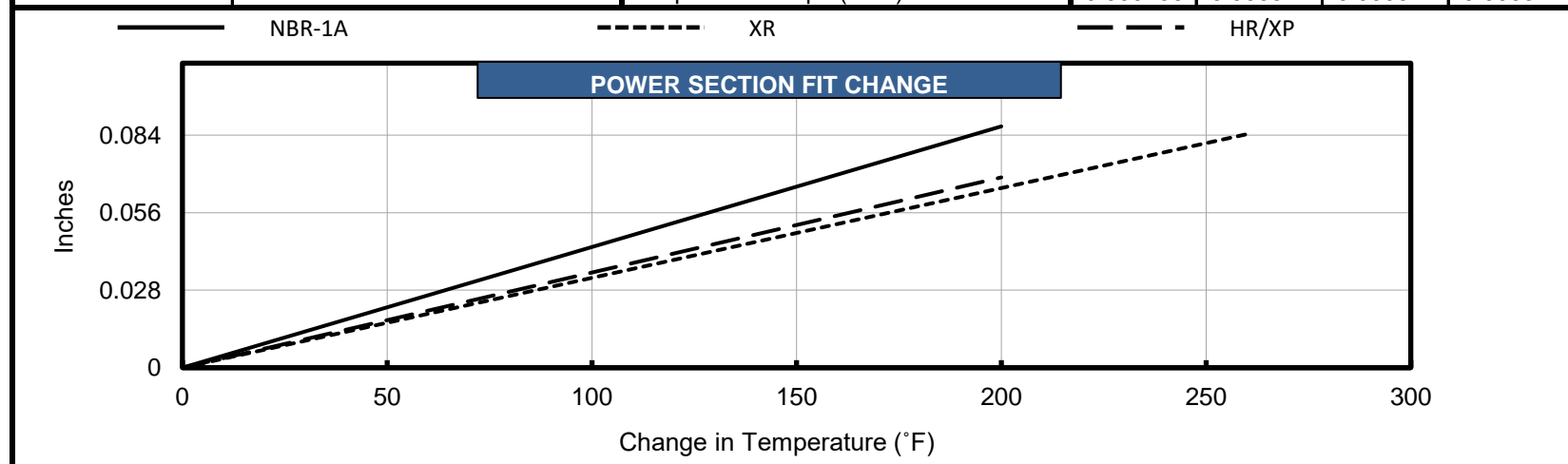
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			3.712	3.712*
Standard	3.737	3.745	3.744	3.744*
1 Oversize	3.759		3.750	3.750*
2 Oversize			3.770	3.770*
Nominal Fit at 75°F				
1 Undersize			0.027	0.027*
Standard	0.002	-0.006	-0.005	-0.005*
1 Oversize	-0.020		-0.011	-0.011*
2 Oversize			-0.031	-0.031*

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	194.0	Overall Length	200.0
Contour Length	188.0	Rubber Cutback #1**	7.3
Eccentricity	0.288	Rubber Cutback #2**	7.3
Major Diameter	4.316	Tube O.D.	6.75
Head Diameter	4.000	Tube I.D.	5.50
Weight (lb)	521	Weight (lb)	755
Material	17-4SS	Number of Stages	5.0
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	8.313 ft-lb/psi	Max. Diff. Press. (psi)	750	1130	1130	1250	
Flow Range	300 to 600 GPM	Max. Torque (ft-lb)	6230	9350	9350	10390	
RPG	0.292 rev/gal	Stall Diff. Press. (psi)	1130	1690	1690	1880	
Speed Range	88 to 175 RPM	Stall Torque (ft-lb)	9350	14030	14030	15590	
Off Bottom Press.	137 psi	Max. Recommended (HP)	164	246	254	283	
		PSI Per Stage	150	225	225	250	
		PSI Per Cavity	26	39	39	43	
		Temperature Slope (in/°F)	0.000436	0.000324	0.000344	0.000344	



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.



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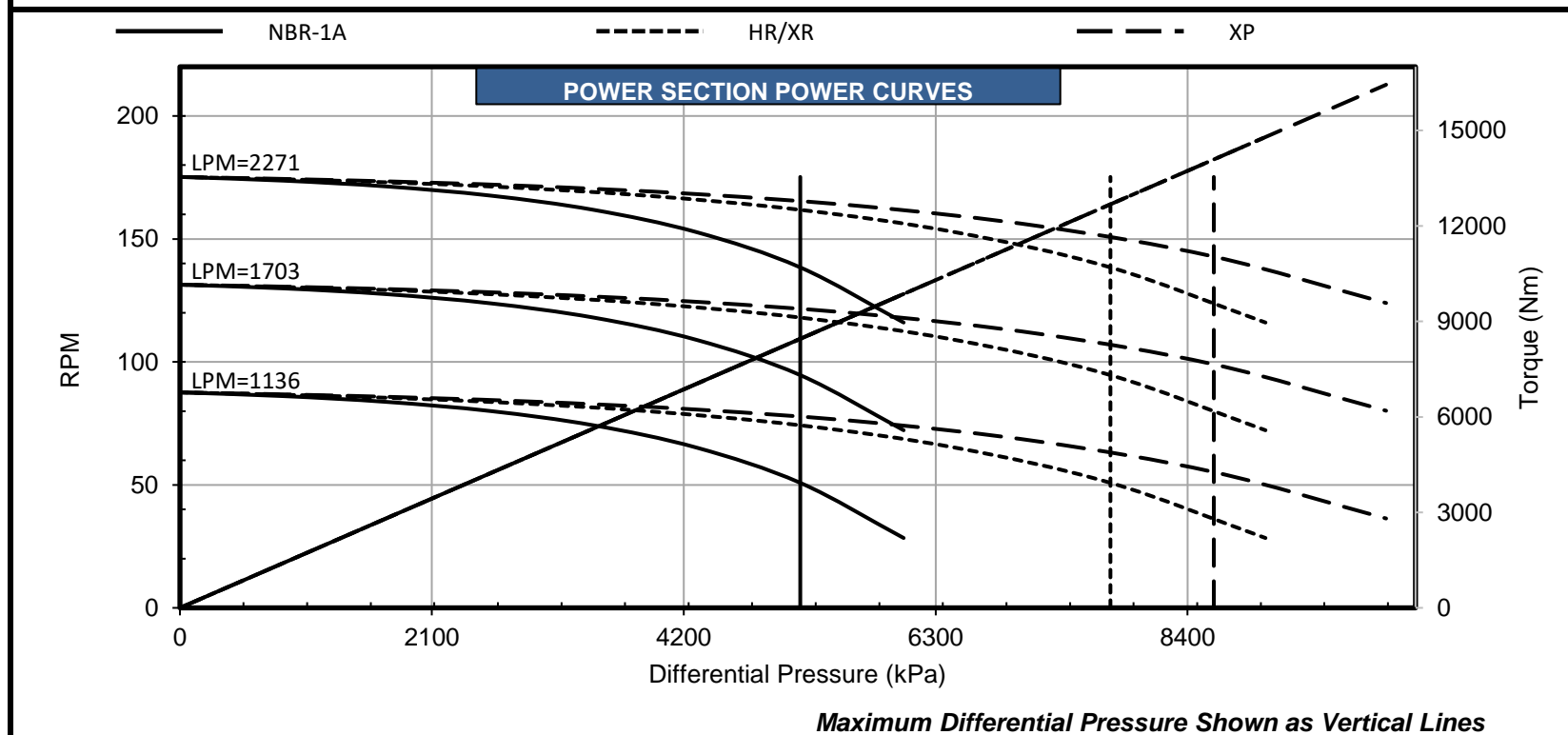
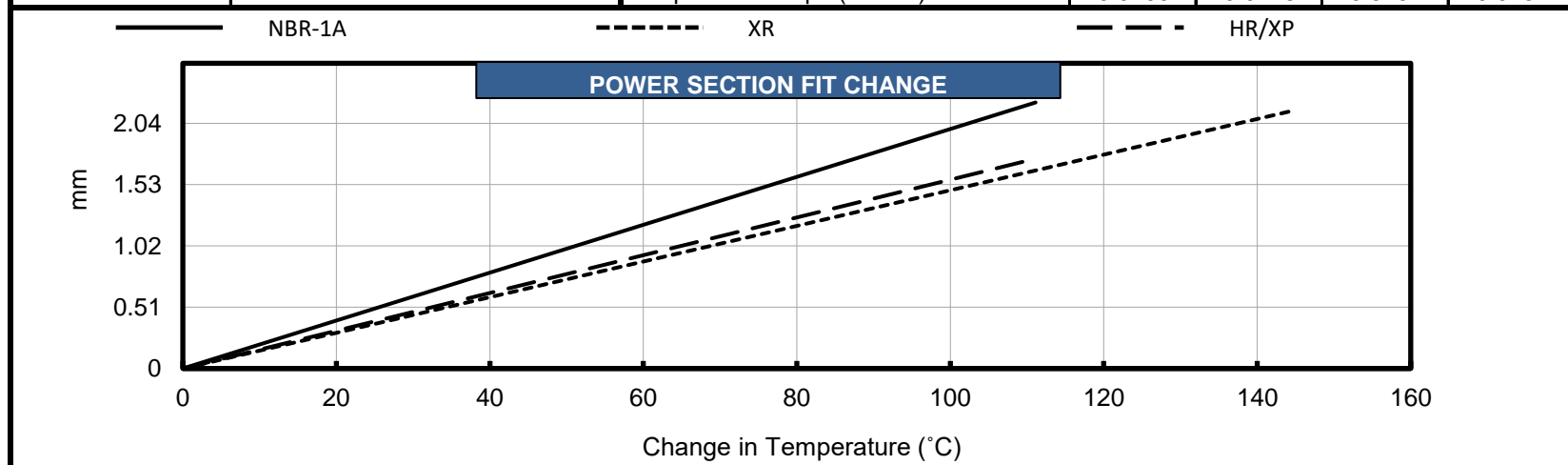
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			94.28	94.28*
Standard	94.92	95.12	95.10	95.10*
1 Oversize	95.48		95.25	95.25*
2 Oversize			95.76	95.76*
Nominal Fit at 75°F				
1 Undersize			0.69	0.69*
Standard	0.05	-0.15	-0.13	-0.13*
1 Oversize	-0.51		-0.28	-0.28*
2 Oversize			-0.79	-0.79*

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	4927.6	Overall Length	5080.0
Contour Length	4775.2	Rubber Cutback #1**	185.4
Eccentricity	7.32	Rubber Cutback #2**	185.4
Major Diameter	109.63	Tube O.D.	171.5
Head Diameter	101.60	Tube I.D.	139.7
Weight (kg)	236	Weight (kg)	342
Material	17-4SS	Number of Stages	5.0
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	1.635 Nm/kPa	Max. Diff. Press. (kPa)	5171	7791	7791	8618
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)	8447	12677	12677	14087
RPG	0.077 rev/litre	Stall Diff. Press. (kPa)	7791	11652	11652	12962
Speed Range	88 to 175 RPM	Stall Torque (Nm)	12677	19022	19022	21137
Off Bottom Press.	945 kPa	Max. Recommended (kW)	123	184	190	211
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	179	269	269	296
		Temperature Slope (mm/°C)	0.0199	0.0148	0.0157	0.0157



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