

## POWER SECTION

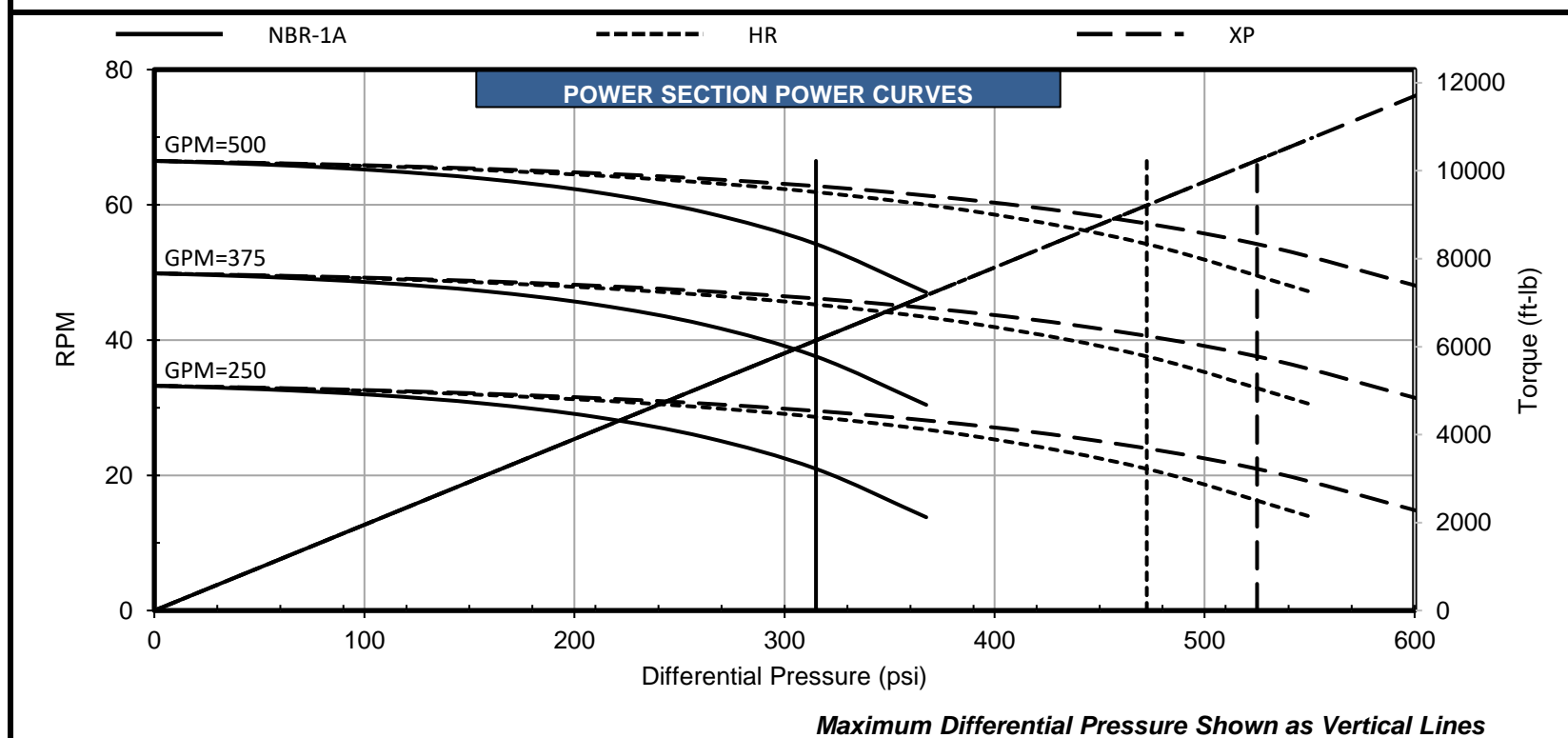
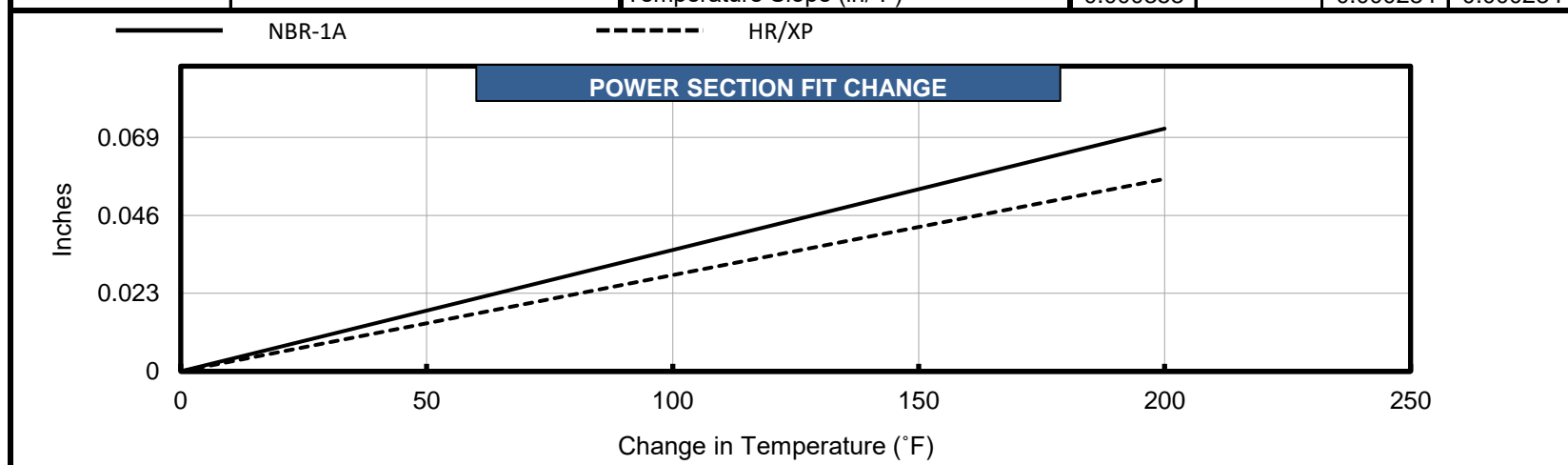
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			3.790	3.790*
Standard	3.812		3.819	3.819*
1 Oversize	3.829			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.027	0.027*
Standard	0.006		-0.002	-0.002*
1 Oversize	-0.012			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	221.0	Overall Length	230.0
Contour Length	213.0	Rubber Cutback #1**	25.0
Eccentricity	0.224	Rubber Cutback #2**	9.0
Major Diameter	4.265	Tube O.D.	6.54
Head Diameter	4.000	Tube I.D.	5.31
Weight (lb)	655	Weight (lb)	832
Material	17-4SS	Number of Stages	2.1
Thread Form**	2 7/8 API REG		

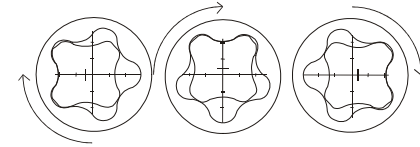
\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	19.500 ft-lb/psi	Max. Diff. Press. (psi)	320		470	530
Flow Range	250 to 500 GPM	Max. Torque (ft-lb)	6140		9210	10240
RPG	0.133 rev/gal	Stall Diff. Press. (psi)	470		710	790
Speed Range	33 to 67 RPM	Stall Torque (ft-lb)	9210		13820	15360
Off Bottom Press.	62 psi	Max. Recommended (HP)	63		95	106
		PSI Per Stage	150		225	250
		PSI Per Cavity	32		48	54
		Temperature Slope (in/°F)	0.000358		0.000284	0.000284



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.



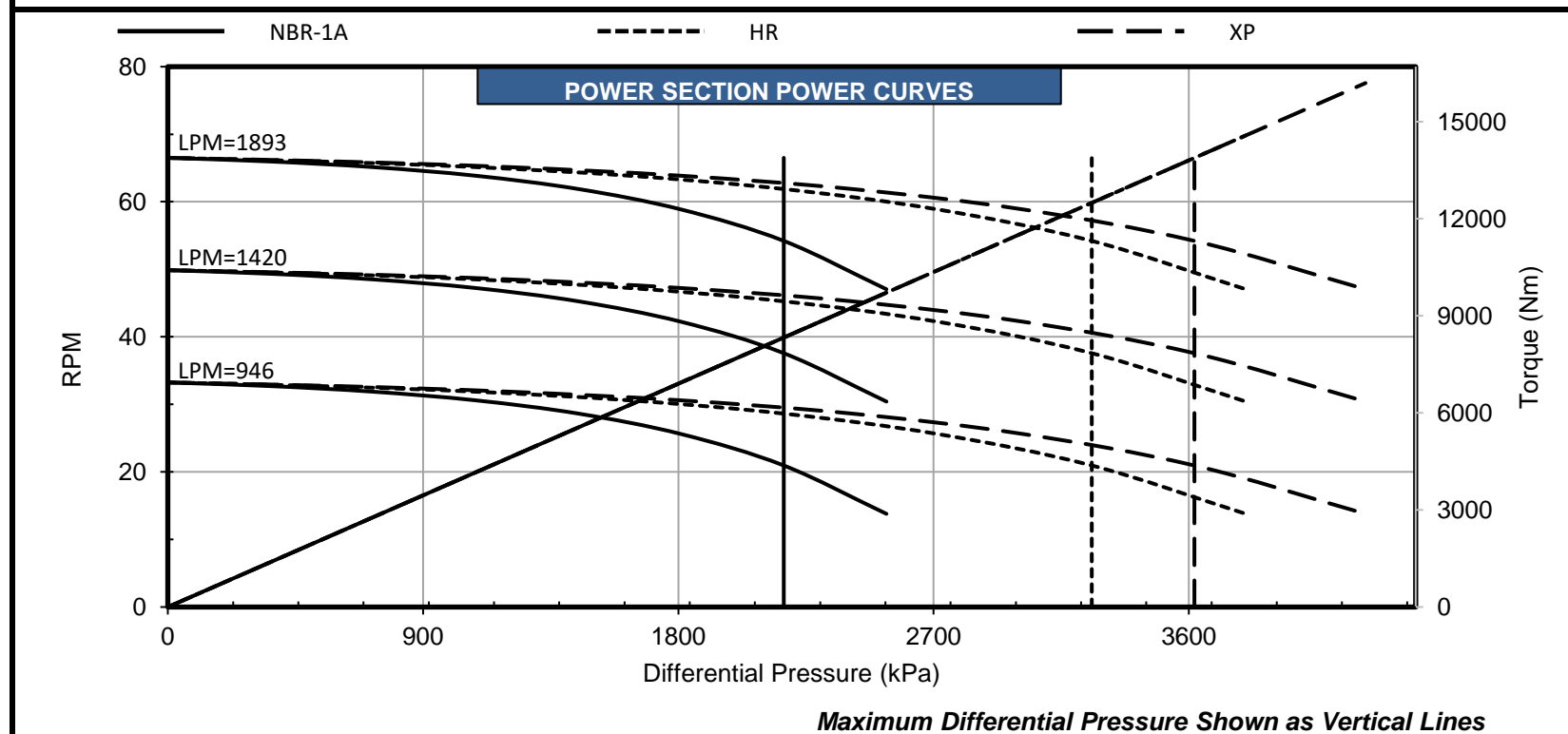
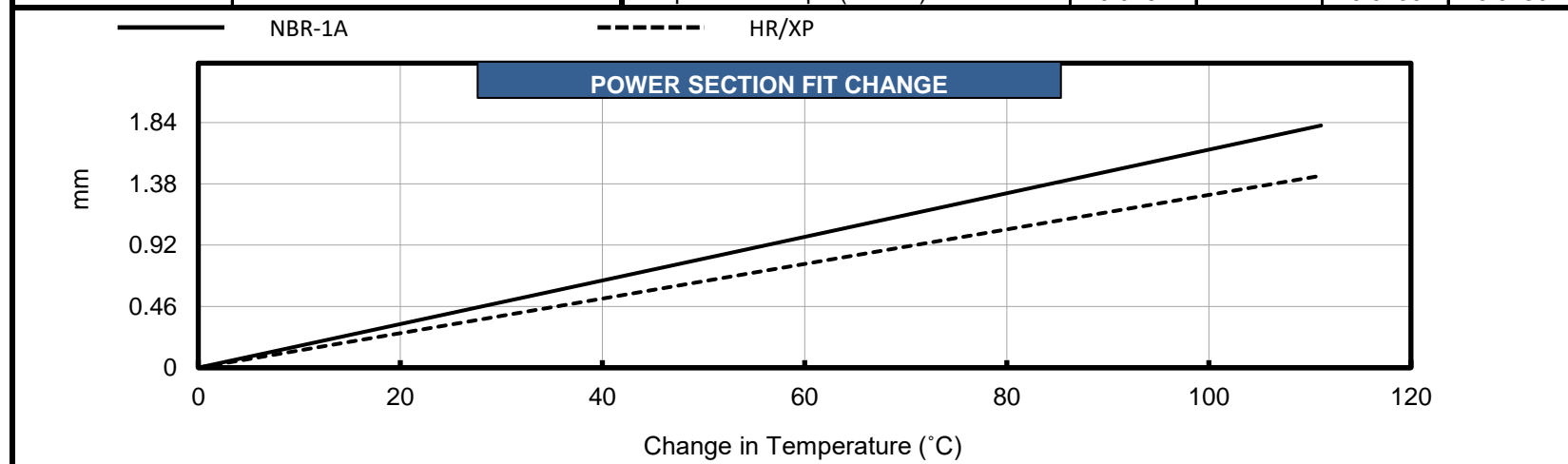
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FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)	(mm)	(mm)	(mm)
		XR	HR	XP				
1 Undersize			96.27	96.27*	Overall Length	5613.4	Overall Length	5842.0
Standard	96.82		97.00	97.00*	Contour Length	5410.2	Rubber Cutback #1**	635.0
1 Oversize	97.26				Eccentricity	5.68	Rubber Cutback #2**	228.6
2 Oversize					Major Diameter	108.33	Tube O.D.	166.1
Nominal Fit at 75°F					Head Diameter	101.60	Tube I.D.	134.9
1 Undersize			0.69	0.69*	Weight (kg)	297	Weight (kg)	377
Standard	0.15		-0.05	-0.05*	Material	17-4SS	Number of Stages	2.1
1 Oversize	-0.30				Thread Form**	2 7/8 API REG		
2 Oversize								

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.835 Nm/kPa	Max. Diff. Press. (kPa)	2206		3241	3654
Flow Range	946 to 1893 Litre/min	Max. Torque (Nm)	8325		12487	13884
RPG	0.035 rev/litre	Stall Diff. Press. (kPa)	3241		4895	5447
Speed Range	33 to 67 RPM	Stall Torque (Nm)	12487		18737	20825
Off Bottom Press.	427 kPa	Max. Recommended (kW)	47		71	79
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	221		331	372
		Temperature Slope (mm/°C)	0.0164		0.0130	0.0130



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