



POWER SECTION

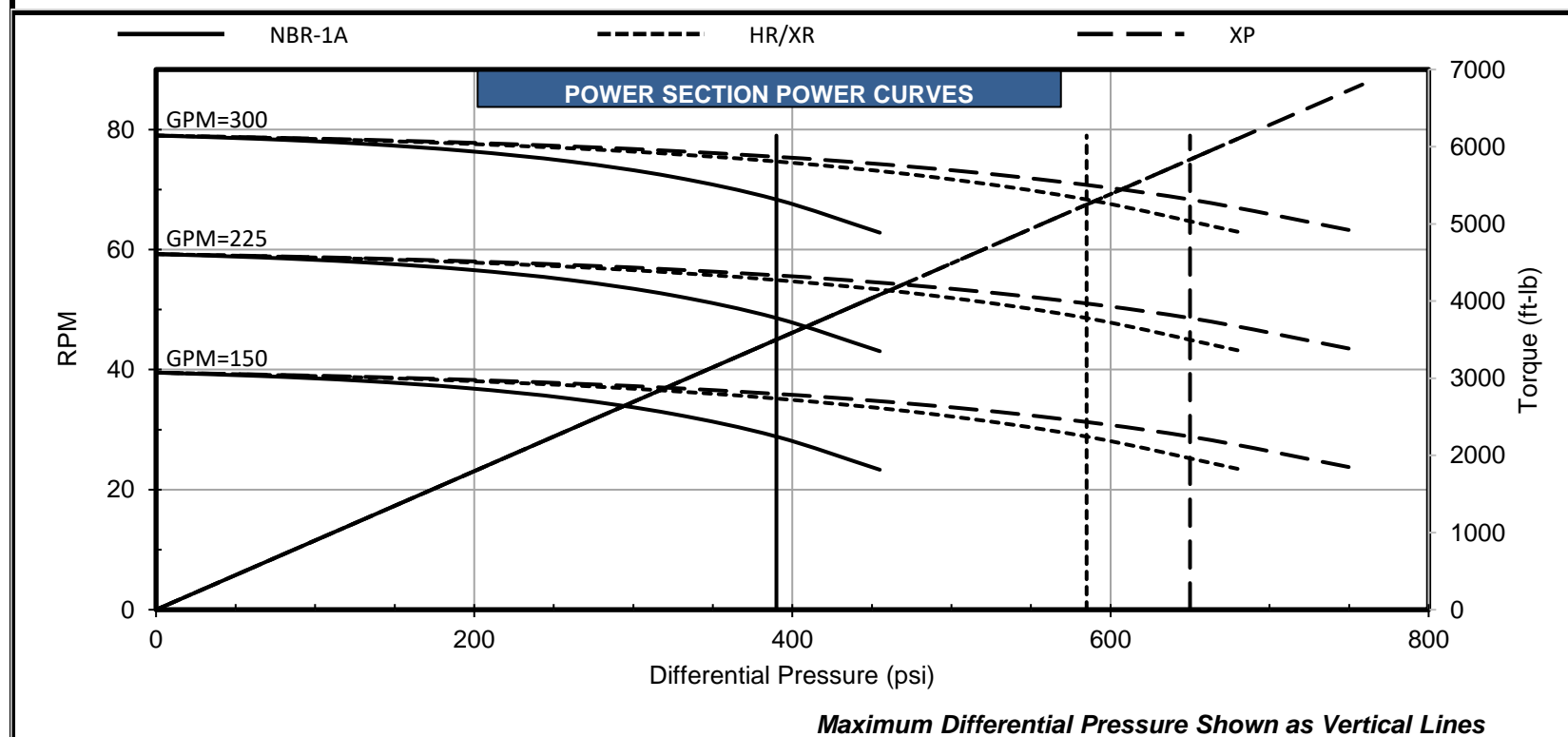
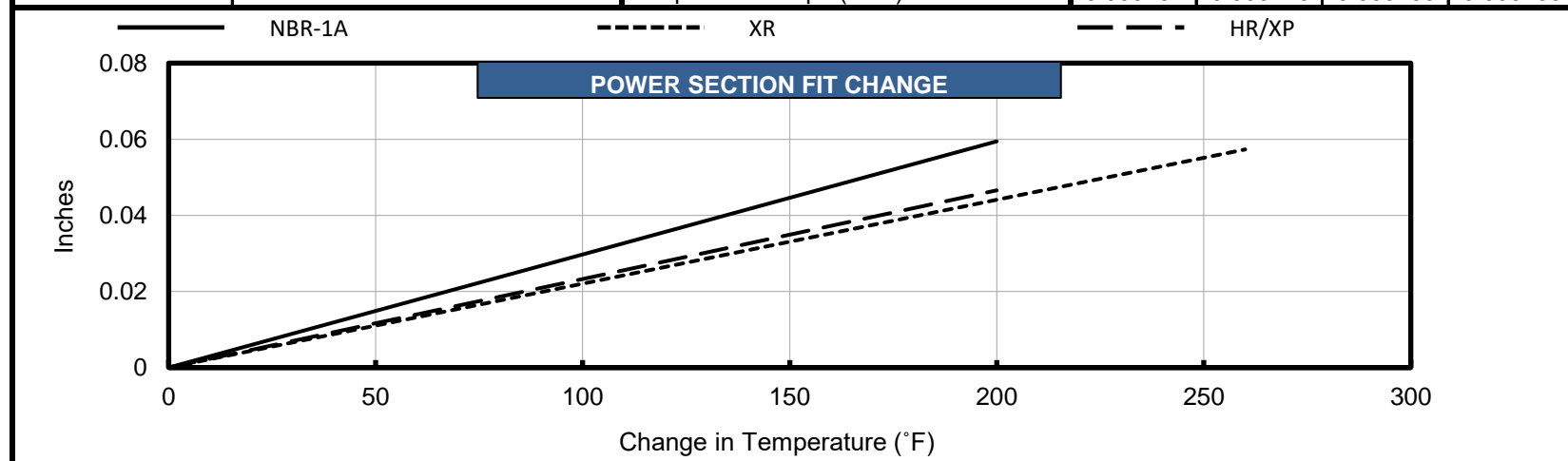
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			2.737	2.737*
Standard	2.738	2.760	2.752	2.752*
1 Oversize	2.757	2.758*	2.764	2.764*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.011	0.011*
Standard	0.010	-0.012	-0.004	-0.004*
1 Oversize	-0.009	-0.010*	-0.016	-0.016*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	220.0	Overall Length	229.3
Contour Length	214.3	Rubber Cutback #1**	8.0
Eccentricity	0.174	Rubber Cutback #2**	8.0
Major Diameter	3.095	Tube O.D.	4.75
Head Diameter	2.750	Tube I.D.	3.75
Weight (lb)	362	Weight (lb)	403
Material	17-4SS	Number of Stages	2.6
Thread Form**	2 3/8 Hughes External Flush Mod Flat		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	8.974 ft-lb/psi	390	590	590	650
Flow Range	150 to 300 GPM	3500	5250	5250	5830
RPG	0.263 rev/gal	590	880	880	980
Speed Range	39 to 79 RPM	5250	7880	7880	8750
Off Bottom Press.	46 psi	46	68	68	76
		150	225	225	250
		28	42	42	47
		0.000297	0.000220	0.000233	0.000233



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.



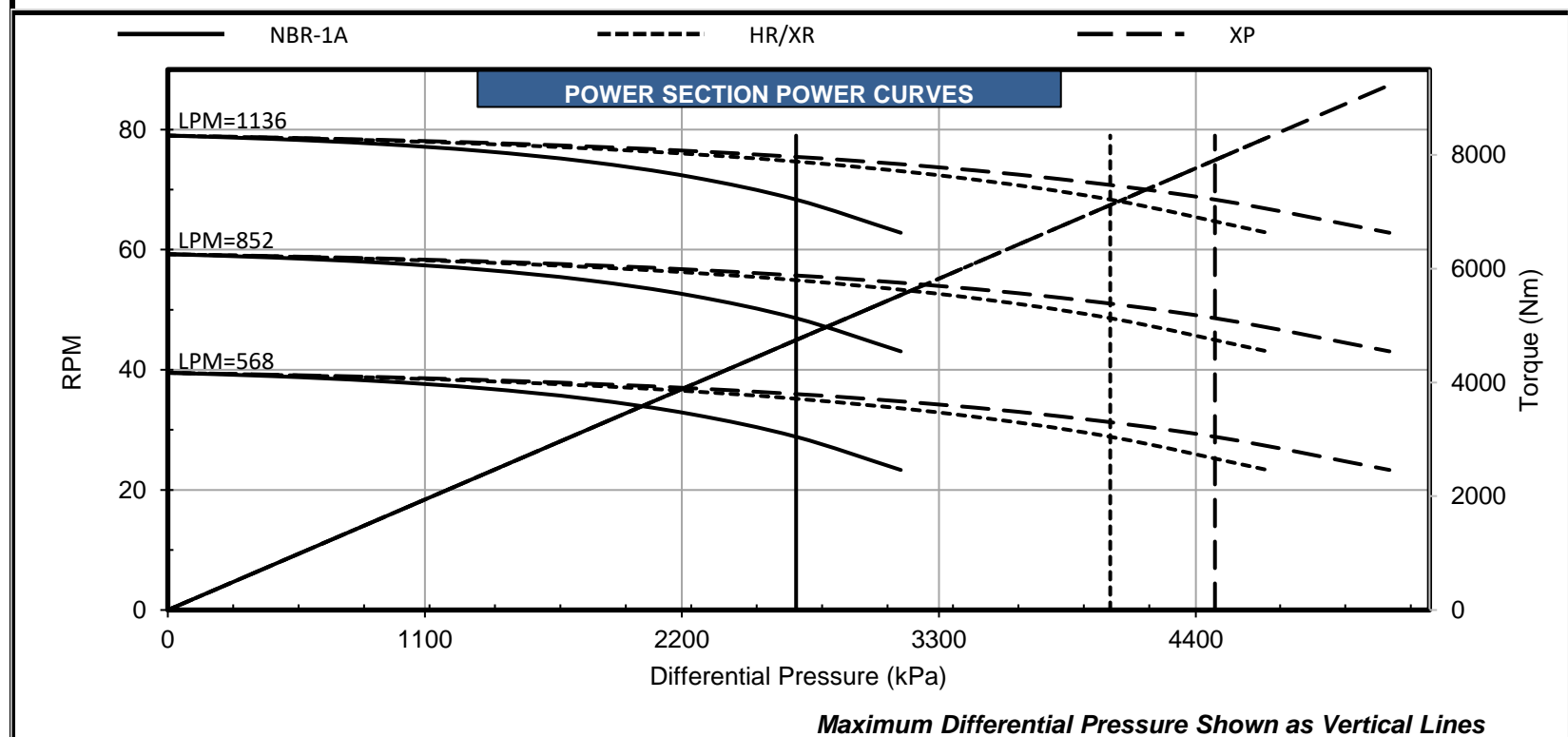
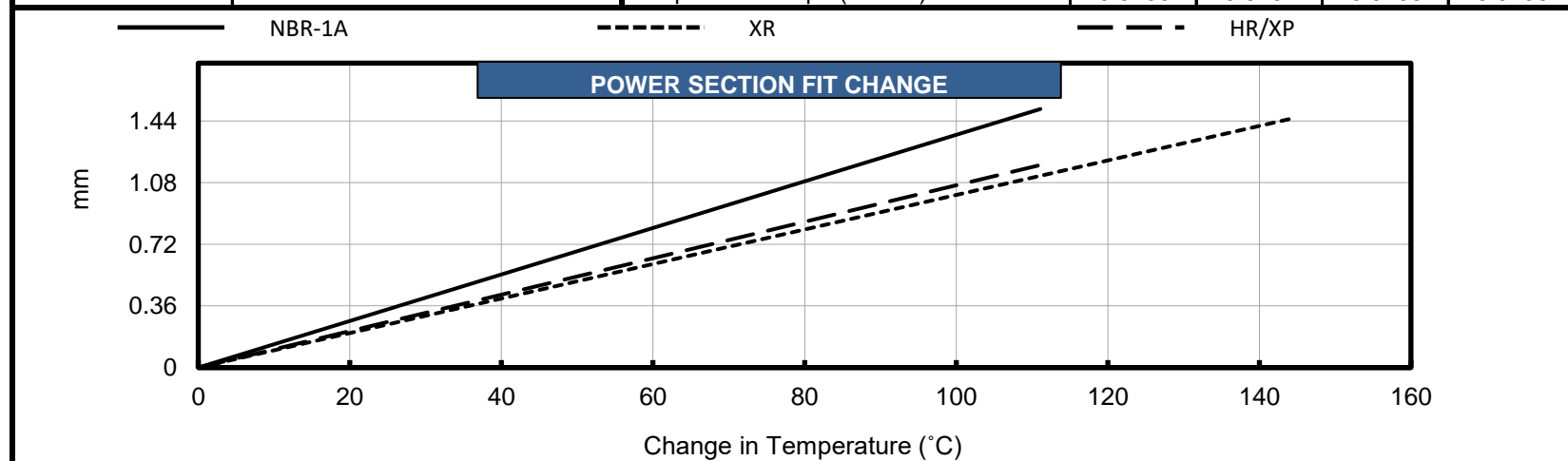
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)	(mm)	(mm)	(mm)
		XR	HR	XP				
1 Undersize			69.52	69.52*	Overall Length	5588.0	Overall Length	5824.2
Standard	69.55	70.10	69.90	69.90*	Contour Length	5443.2	Rubber Cutback #1**	203.2
1 Oversize	70.03	70.05*	70.21	70.21*	Eccentricity	4.41	Rubber Cutback #2**	203.2
2 Oversize					Major Diameter	78.61	Tube O.D.	120.7
Nominal Fit at 75°F					Head Diameter	69.85	Tube I.D.	95.3
1 Undersize			0.28	0.28*	Weight (kg)	164	Weight (kg)	183
Standard	0.25	-0.30	-0.10	-0.10*	Material	17-4SS	Number of Stages	2.6
1 Oversize	-0.23	-0.25*	-0.41	-0.41*	Thread Form**	2 3/8 Hughes External Flush Mod Flat		
2 Oversize								

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.765 Nm/kPa	Max. Diff. Press. (kPa)	2689	4068	4068	4482
Flow Range	568 to 1136 Litre/min	Max. Torque (Nm)	4745	7118	7118	7904
RPG	0.070 rev/litre	Stall Diff. Press. (kPa)	4068	6067	6067	6757
Speed Range	39 to 79 RPM	Stall Torque (Nm)	7118	10684	10684	11863
Off Bottom Press.	317 kPa	Max. Recommended (kW)	34	51	51	57
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	193	290	290	324
		Temperature Slope (mm/°C)	0.0136	0.0101	0.0106	0.0106



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