



## POWER SECTION

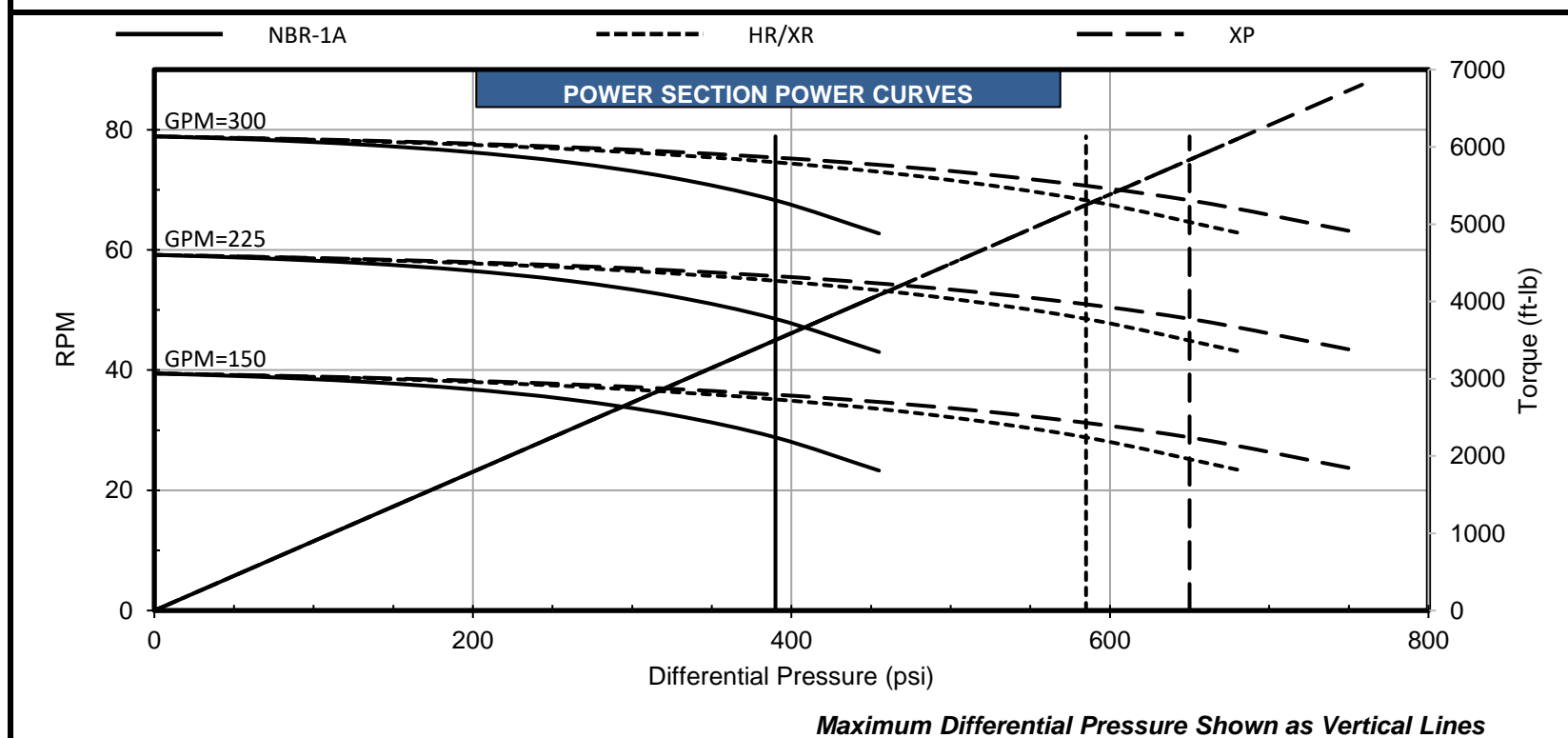
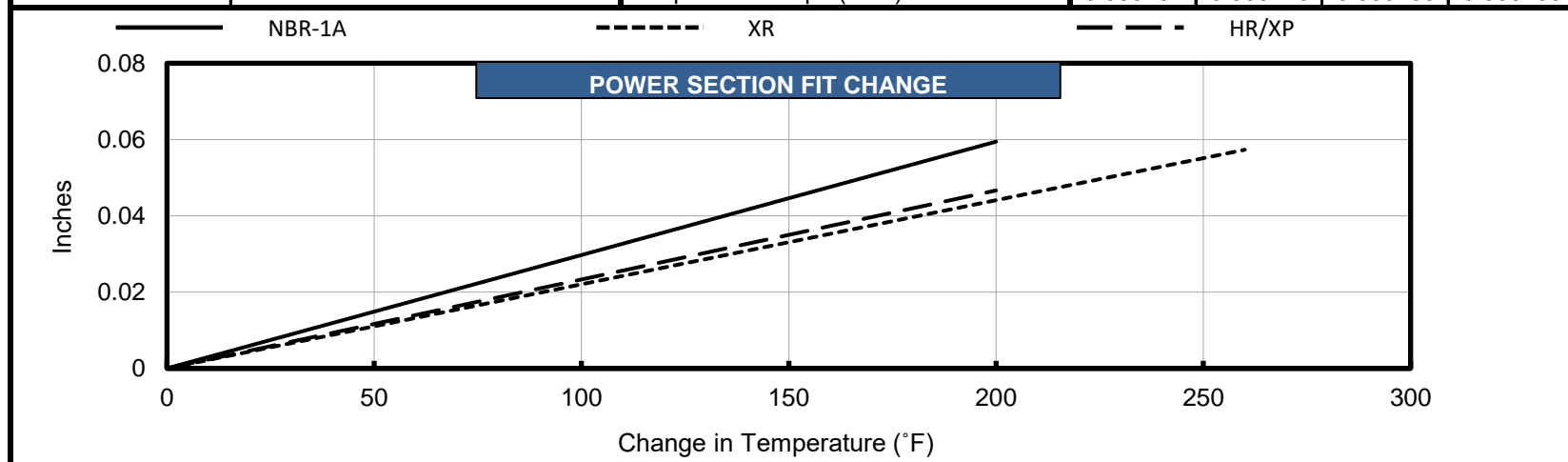
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			2.737	2.737*
Standard	2.738	2.760	2.752	2.752*
1 Oversize	2.757	2.758*	2.764	2.764*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.011	0.011*
Standard	0.010	-0.012	-0.004	-0.004*
1 Oversize	-0.009	-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.	5.00
Head Diameter	2.750	Tube I.D.	3.75
Weight (lb)	368	Weight (lb)	520
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	Max. Diff. Press. (psi)	390	590	590	650
Flow Range	150 to 300 GPM	Max. Torque (ft-lb)	3500	5250	5250	5830
RPG	0.263 rev/gal	Stall Diff. Press. (psi)	590	880	880	980
Speed Range	39 to 79 RPM	Stall Torque (ft-lb)	5250	7870	7870	8750
Off Bottom Press.	46 psi	Max. Recommended (HP)	45	68	68	76
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	28	42	42	47
		Temperature Slope (in/°F)	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

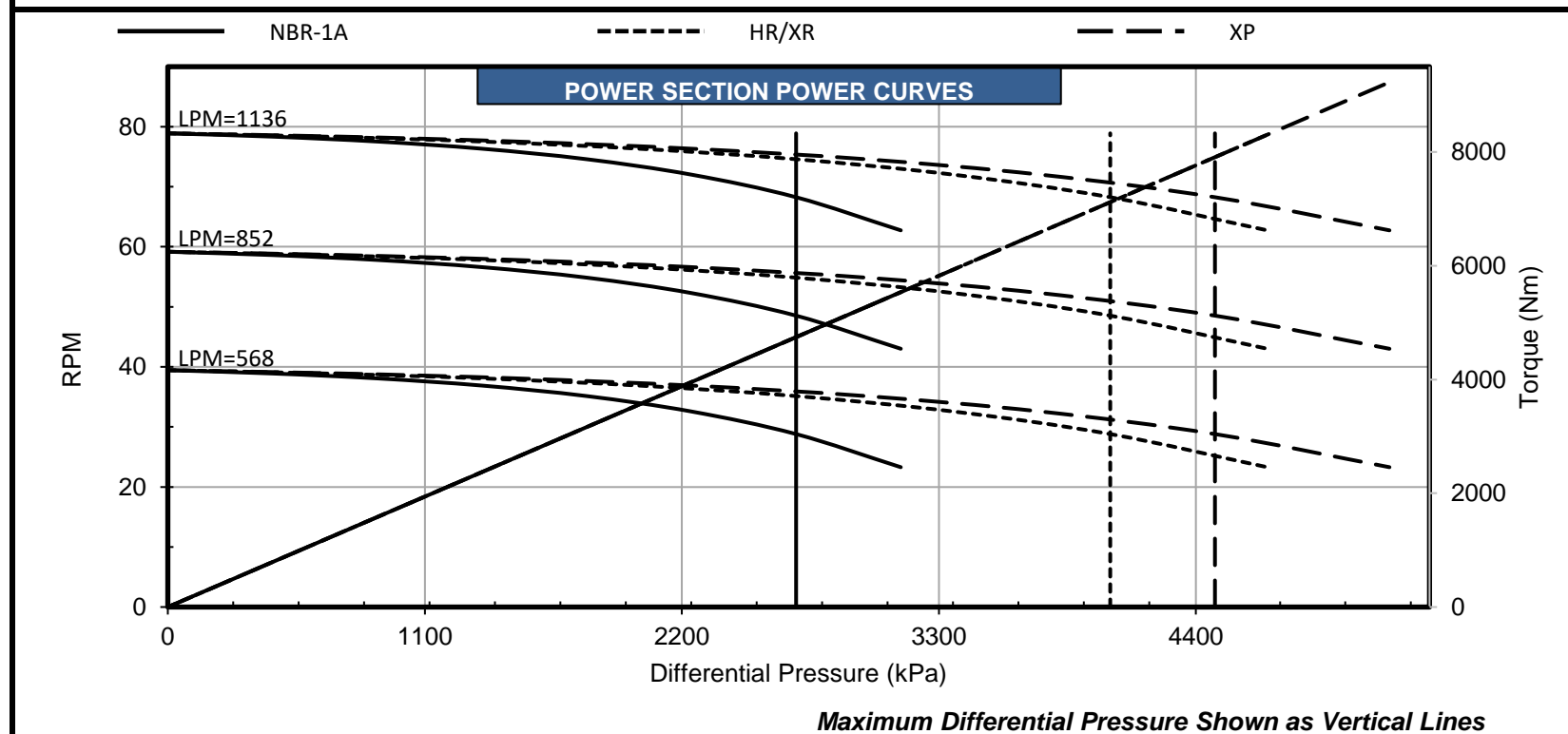
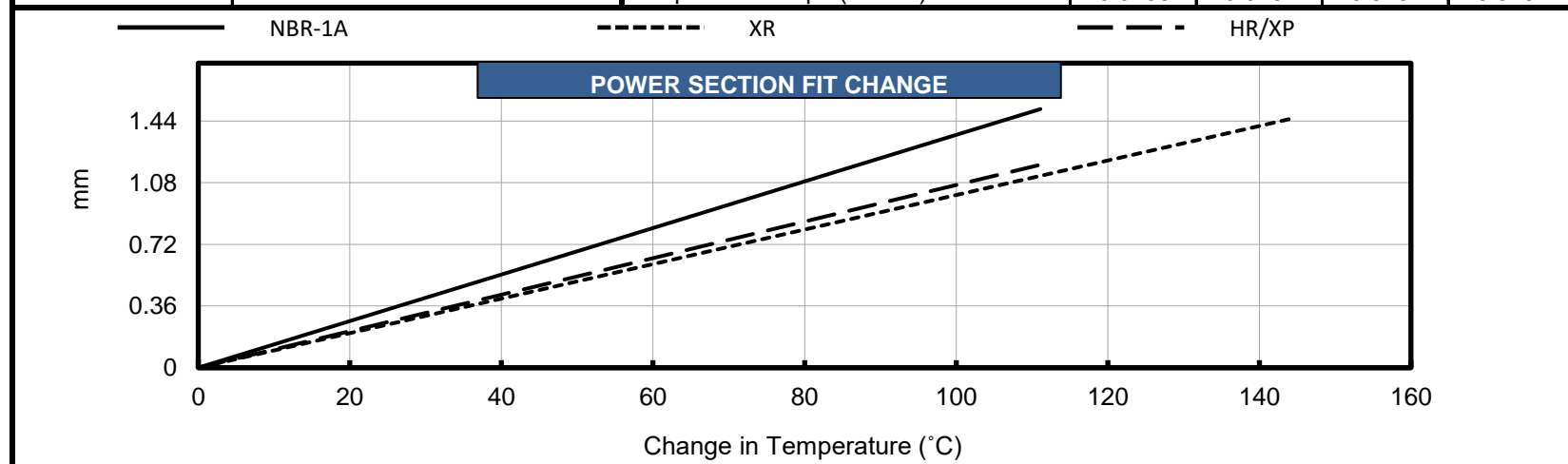
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			69.52	69.52*
Standard	69.55	70.10	69.90	69.90*
1 Oversize	70.03	70.05*	70.21	70.21*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.28	0.28*
Standard	0.25	-0.30	-0.10	-0.10*
1 Oversize	-0.23	-0.25*	-0.41	-0.41*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5588.0	Overall Length	5824.2
Contour Length	5443.2	Rubber Cutback #1**	203.2
Eccentricity	4.41	Rubber Cutback #2**	203.2
Major Diameter	78.61	Tube O.D.	127.0
Head Diameter	69.85	Tube I.D.	95.3
Weight (kg)	167	Weight (kg)	236
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	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	0.069 rev/litre	Stall Diff. Press. (kPa)	4068	6067	6067	6757
Speed Range	39 to 79 RPM	Stall Torque (Nm)	7118	10670	10670	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	0.0107	0.0107



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.