

POWER SECTION

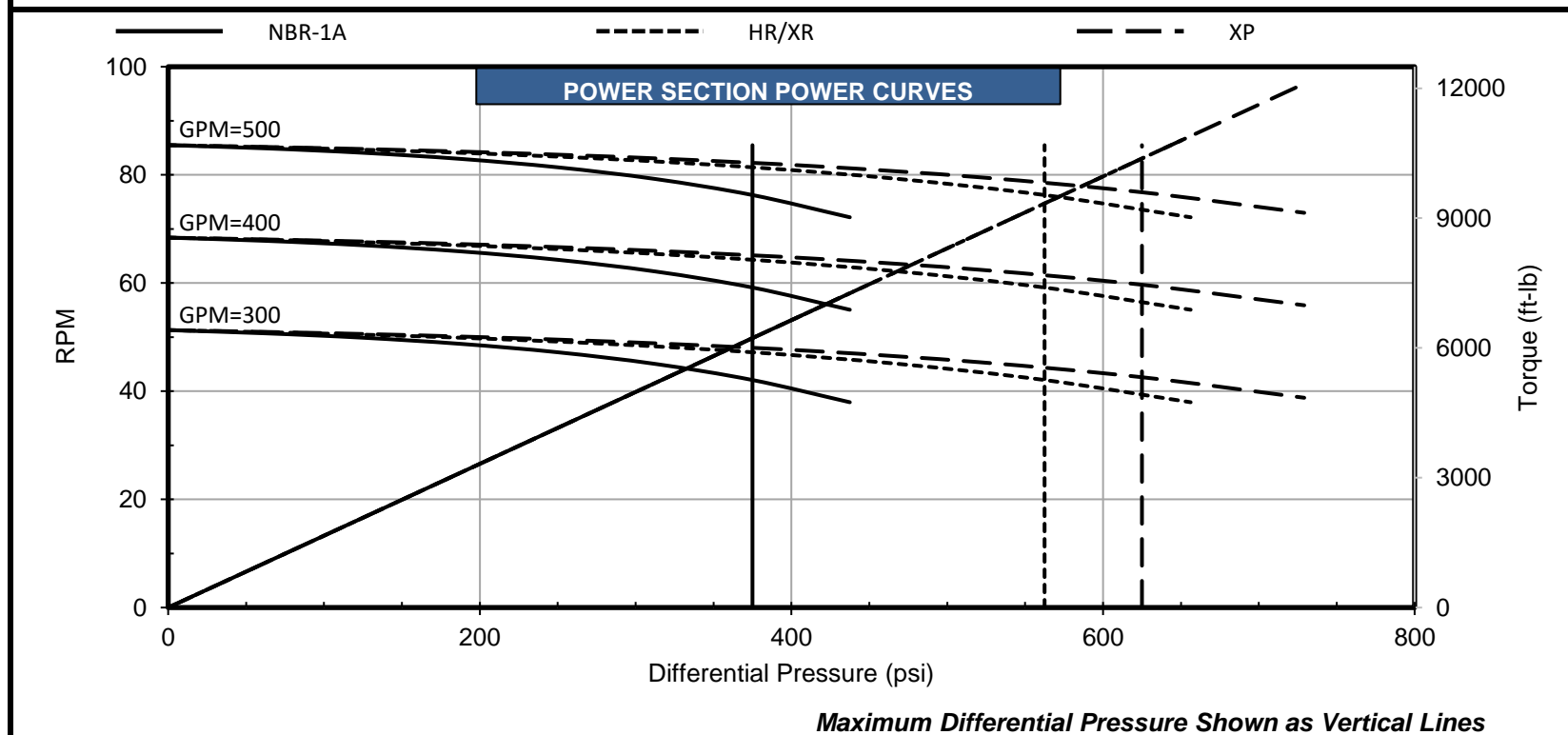
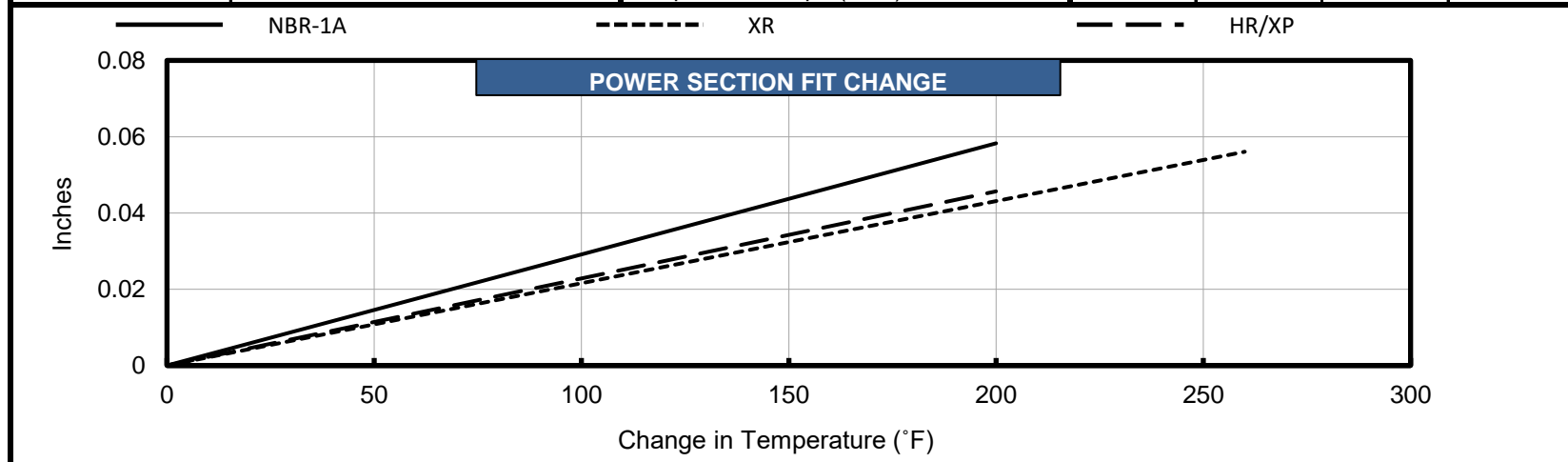
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	3.680	3.688*	3.688	3.688*
1 Oversize	3.700			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.015	0.007*	0.007	0.007*
1 Oversize	-0.005			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	197.5	Overall Length	203.2
Contour Length	191.0	Rubber Cutback #1**	7.5
Eccentricity	0.230	Rubber Cutback #2**	7.5
Major Diameter	4.155	Tube O.D.	6.25
Head Diameter	3.500	Tube I.D.	5.00
Weight (lb)	547	Weight (lb)	685
Material	17-4SS	Number of Stages	2.5
Thread Form**	2 3/8 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	16.606 ft-lb/psi	Max. Diff. Press. (psi)	380	560	560	630
Flow Range	300 to 500 GPM	Max. Torque (ft-lb)	6230	9340	9340	10380
RPG	0.171 rev/gal	Stall Diff. Press. (psi)	560	840	840	940
Speed Range	51 to 86 RPM	Stall Torque (ft-lb)	9340	14010	14010	15570
Off Bottom Press.	135 psi	Max. Recommended (HP)	90	136	137	152
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	29	43	43	48
		Temperature Slope (in/°F)	0.000291	0.000216	0.000229	0.000229



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

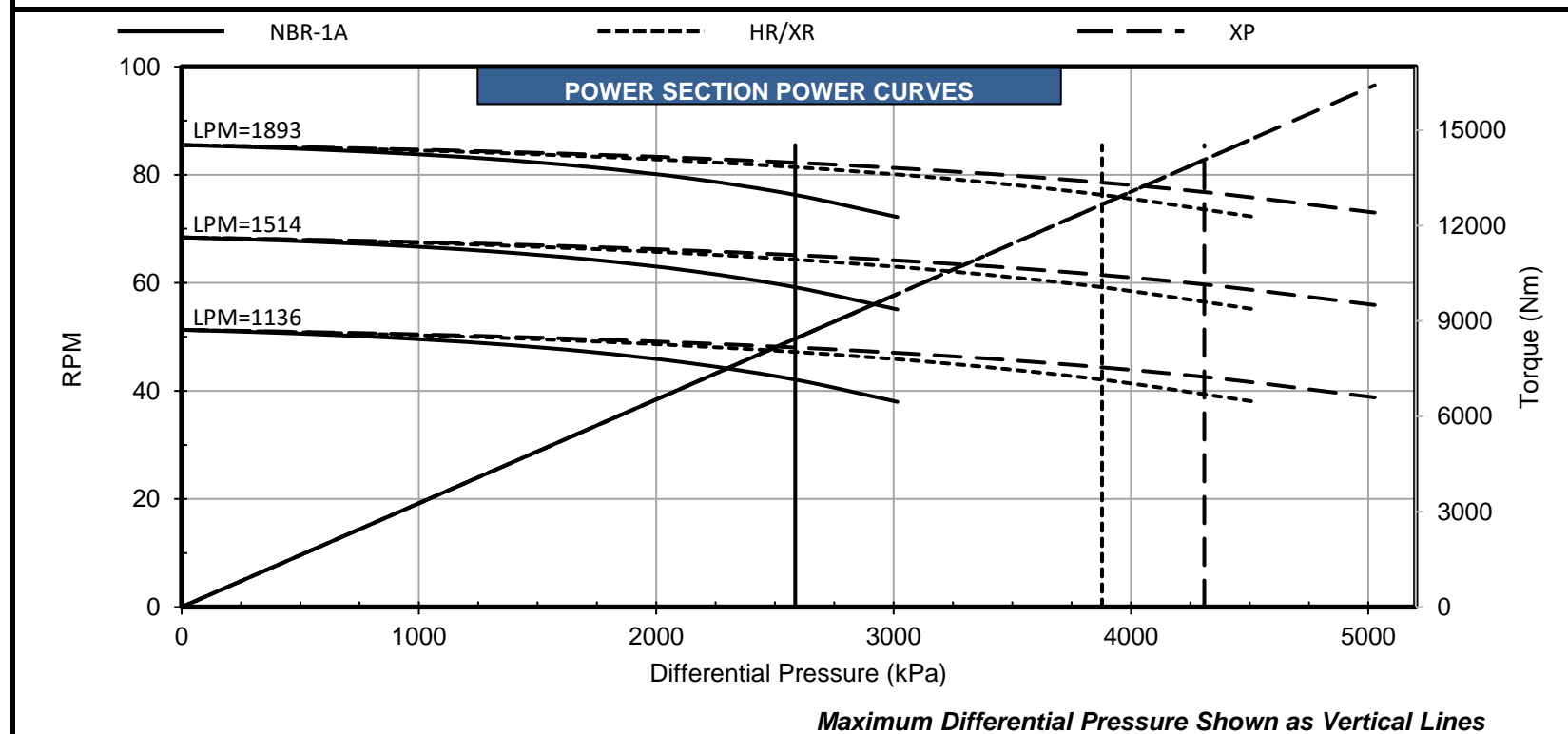
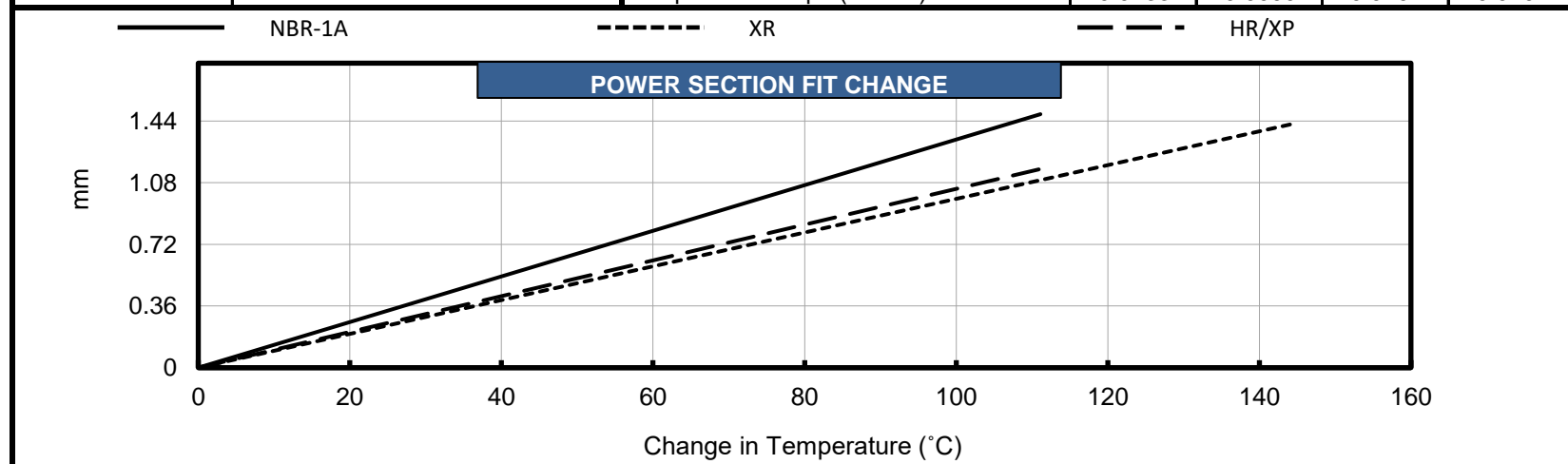
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	93.47	93.68*	93.68	93.68*
1 Oversize	93.98			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.38	0.18*	0.18	0.18*
1 Oversize	-0.13			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5016.5	Overall Length	5161.3
Contour Length	4851.4	Rubber Cutback #1**	190.5
Eccentricity	5.84	Rubber Cutback #2**	190.5
Major Diameter	105.54	Tube O.D.	158.8
Head Diameter	88.90	Tube I.D.	127.0
Weight (kg)	248	Weight (kg)	311
Material	17-4SS	Number of Stages	2.5
Thread Form**	2 3/8 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	3.265 Nm/kPa	Max. Diff. Press. (kPa)	2620	3861	3861	4344
Flow Range	1136 to 1893 Litre/min	Max. Torque (Nm)	8447	12663	12663	14073
RPG	0.045 rev/litre	Stall Diff. Press. (kPa)	3861	5792	5792	6481
Speed Range	51 to 86 RPM	Stall Torque (Nm)	12663	18995	18995	21110
Off Bottom Press.	931 kPa	Max. Recommended (kW)	67	101	102	113
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	200	296	296	331
		Temperature Slope (mm/°C)	0.0133	0.0099	0.0104	0.0104



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.