

POWER SECTION

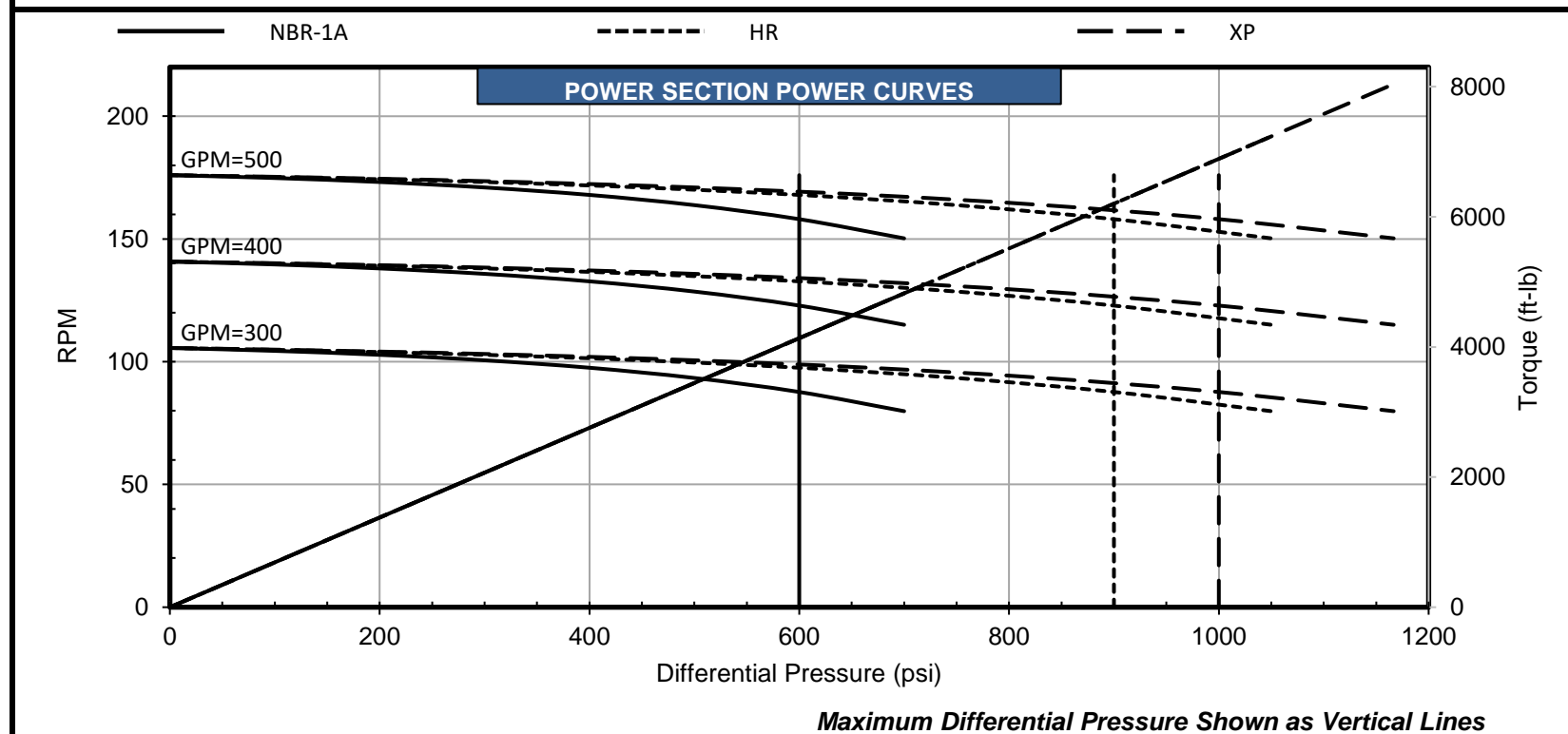
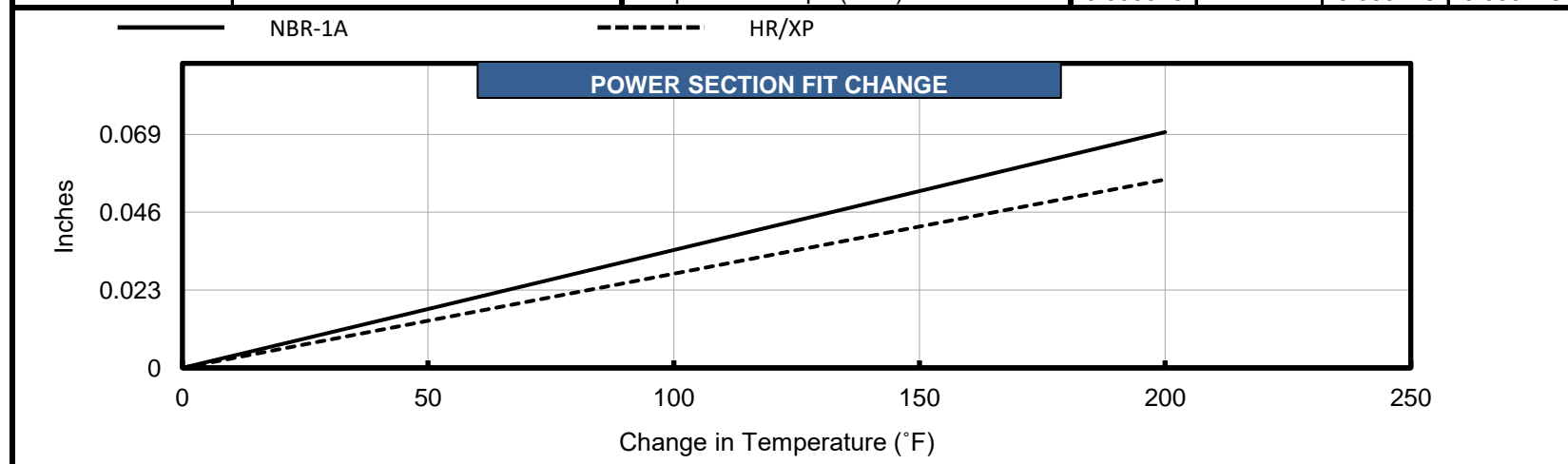
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			3.528	3.528*
1 Oversize	3.535			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.007	0.007*
1 Oversize	0.000			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	152.0	Overall Length	160.0
Contour Length	145.5	Rubber Cutback #1**	8.0
Eccentricity	0.220	Rubber Cutback #2**	8.0
Major Diameter	3.975	Tube O.D.	6.25
Head Diameter	3.625	Tube I.D.	5.00
Weight (lb)	388	Weight (lb)	550
Material	17-4SS	Number of Stages	4.0
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	6.891 ft-lb/psi	Max. Diff. Press. (psi)	600		900	1000
Flow Range	300 to 500 GPM	Max. Torque (ft-lb)	4130		6200	6890
RPG	0.352 rev/gal	Stall Diff. Press. (psi)	900		1350	1500
Speed Range	106 to 176 RPM	Stall Torque (ft-lb)	6200		9300	10340
Off Bottom Press.	102 psi	Max. Recommended (HP)	124		187	207
		PSI Per Stage	150		225	250
		PSI Per Cavity	24		36	40
		Temperature Slope (in/°F)	0.000348		0.000278	0.000278



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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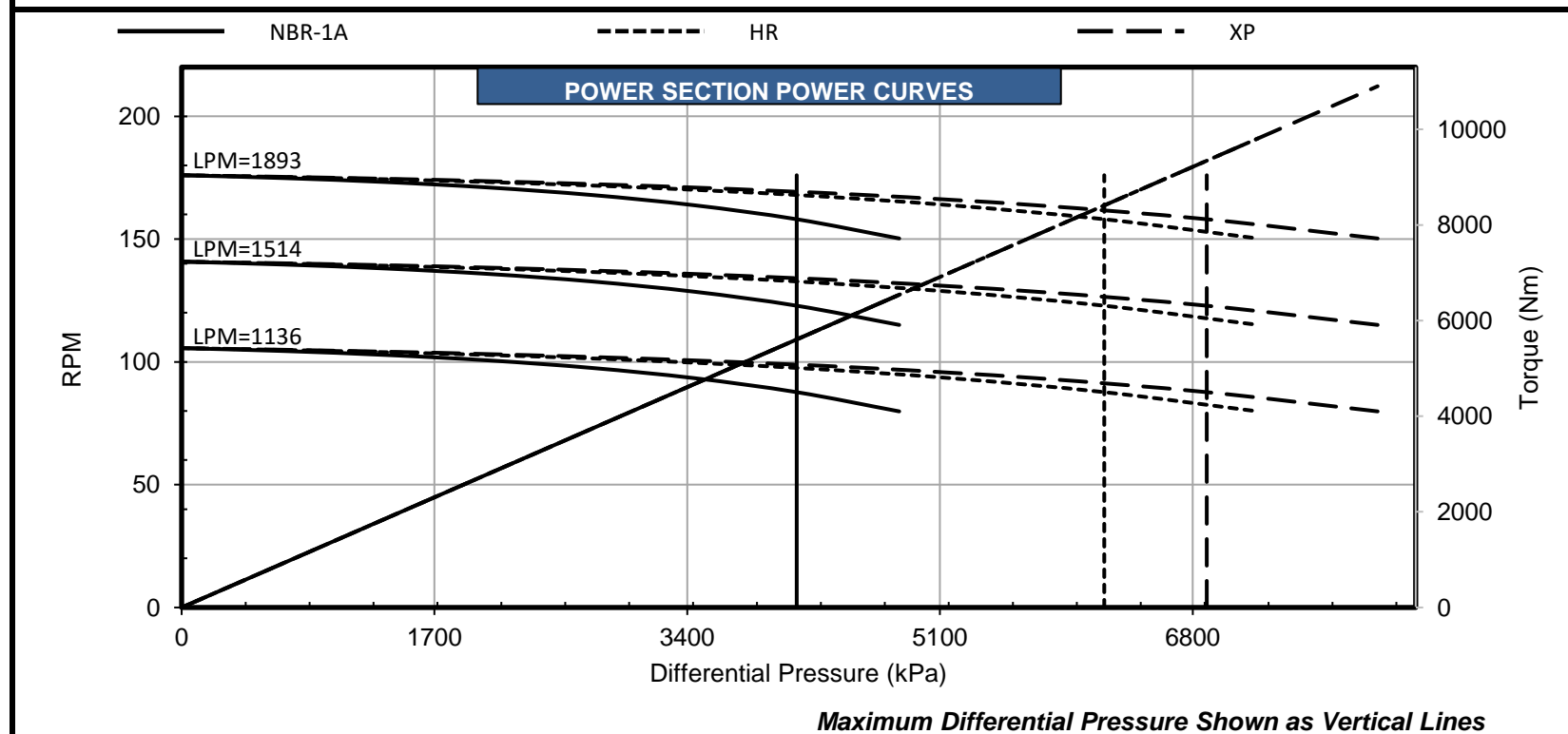
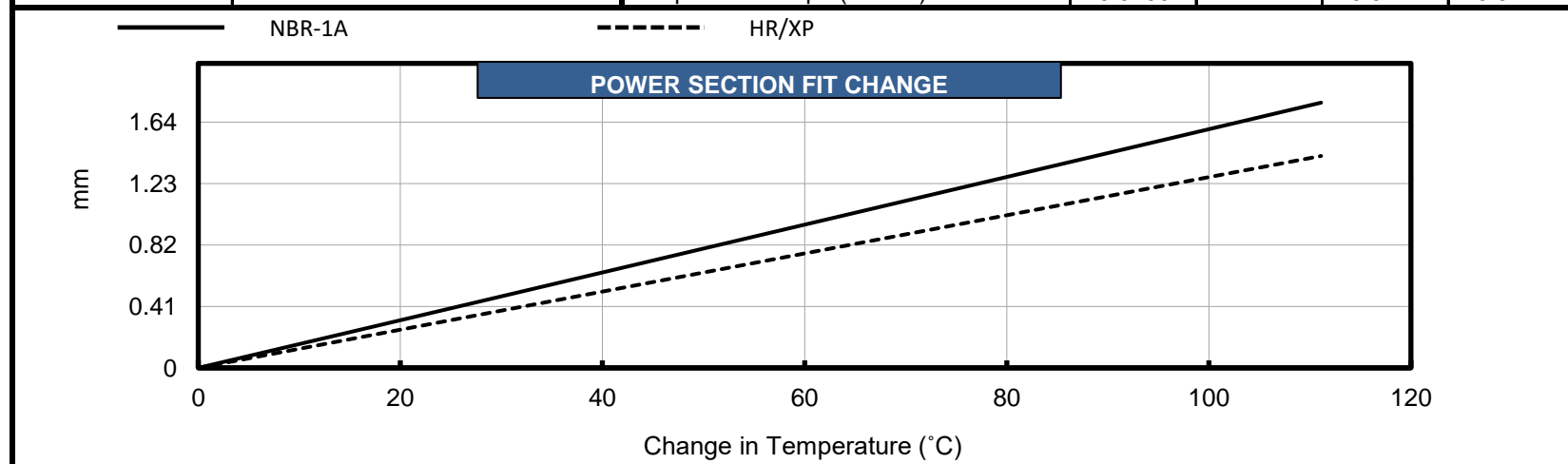
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			89.61	89.61*
1 Oversize	89.79			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.18	0.18*
1 Oversize	0.00			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	3860.8	Overall Length	4064.0
Contour Length	3695.7	Rubber Cutback #1**	203.2
Eccentricity	5.58	Rubber Cutback #2**	203.2
Major Diameter	100.97	Tube O.D.	158.8
Head Diameter	92.08	Tube I.D.	127.0
Weight (kg)	176	Weight (kg)	249
Material	17-4SS	Number of Stages	4.0
Thread Form**	2 7/8" API REG		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.355 Nm/kPa	Max. Diff. Press. (kPa)	4137		6205	6895
Flow Range	1136 to 1893 Litre/min	Max. Torque (Nm)	5600		8406	9342
RPG	0.093 rev/litre	Stall Diff. Press. (kPa)	6205		9308	10342
Speed Range	106 to 176 RPM	Stall Torque (Nm)	8406		12609	14019
Off Bottom Press.	703 kPa	Max. Recommended (kW)	93		139	155
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	165		248	276
		Temperature Slope (mm/°C)	0.0159		0.0127	0.0127



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