



POWER SECTION

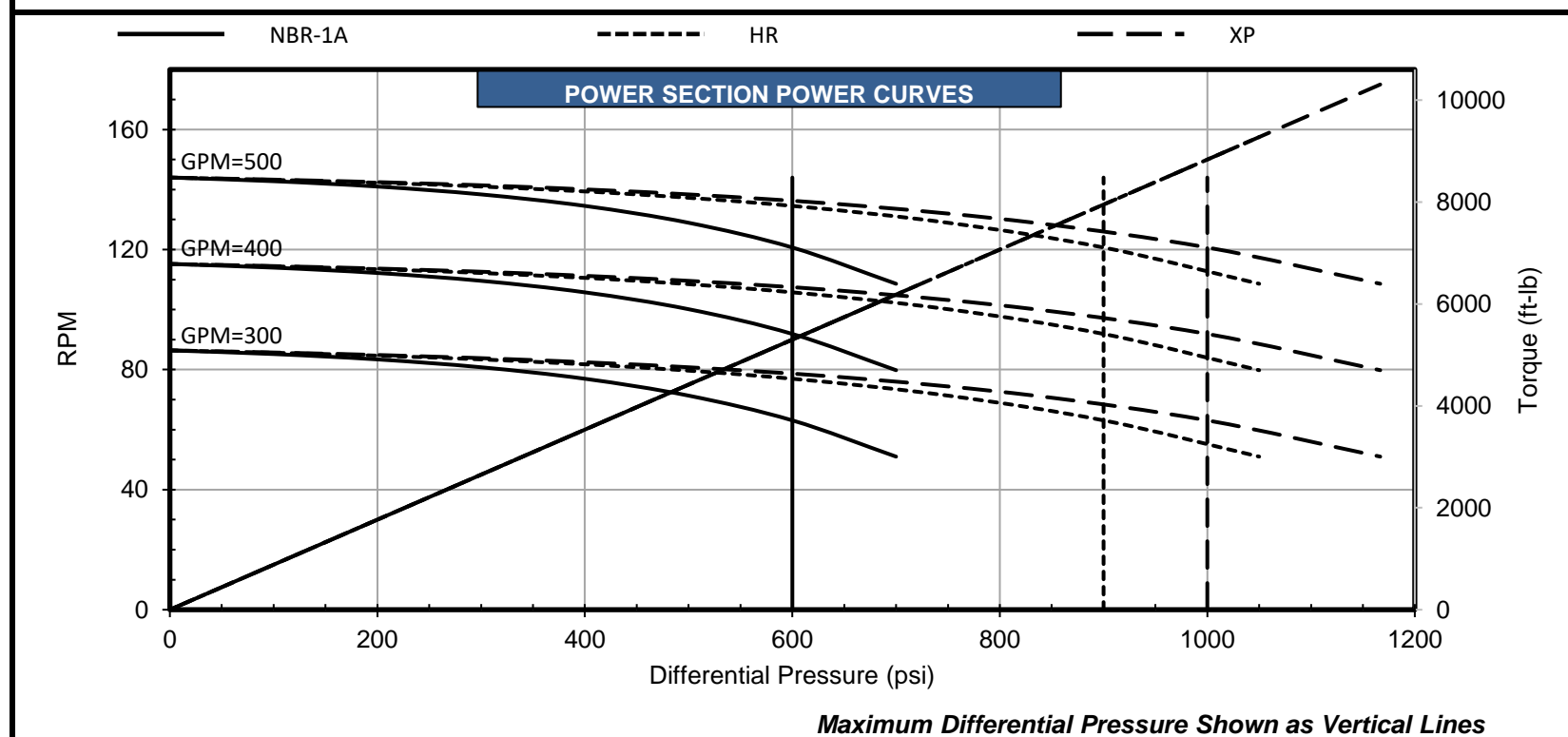
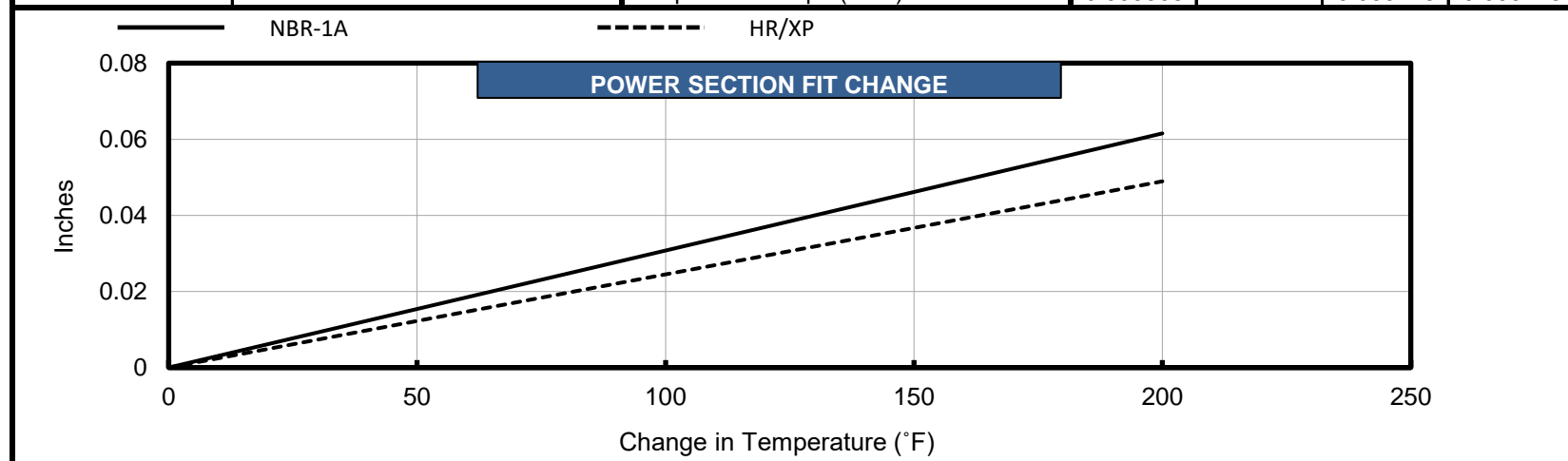
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			3.875	3.875*
1 Oversize	3.892			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.013	0.013*
1 Oversize	-0.004			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	152.0	Overall Length	170.0
Contour Length	146.0	Rubber Cutback #1**	8.0
Eccentricity	0.217	Rubber Cutback #2**	8.0
Major Diameter	4.322	Tube O.D.	6.50
Head Diameter	3.750	Tube I.D.	5.25
Weight (lb)	511	Weight (lb)	600
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	8.833 ft-lb/psi	Max. Diff. Press. (psi)	600		900	1000
Flow Range	300 to 500 GPM	Max. Torque (ft-lb)	5300		7950	8830
RPG	0.288 rev/gal	Stall Diff. Press. (psi)	900		1350	1500
Speed Range	86 to 144 RPM	Stall Torque (ft-lb)	7950		11920	13250
Off Bottom Press.	97 psi	Max. Recommended (HP)	122		183	203
		PSI Per Stage	150		225	250
		PSI Per Cavity	21		32	36
		Temperature Slope (in/°F)	0.000308		0.000245	0.000245



Maximum Differential Pressure Shown as Vertical Lines

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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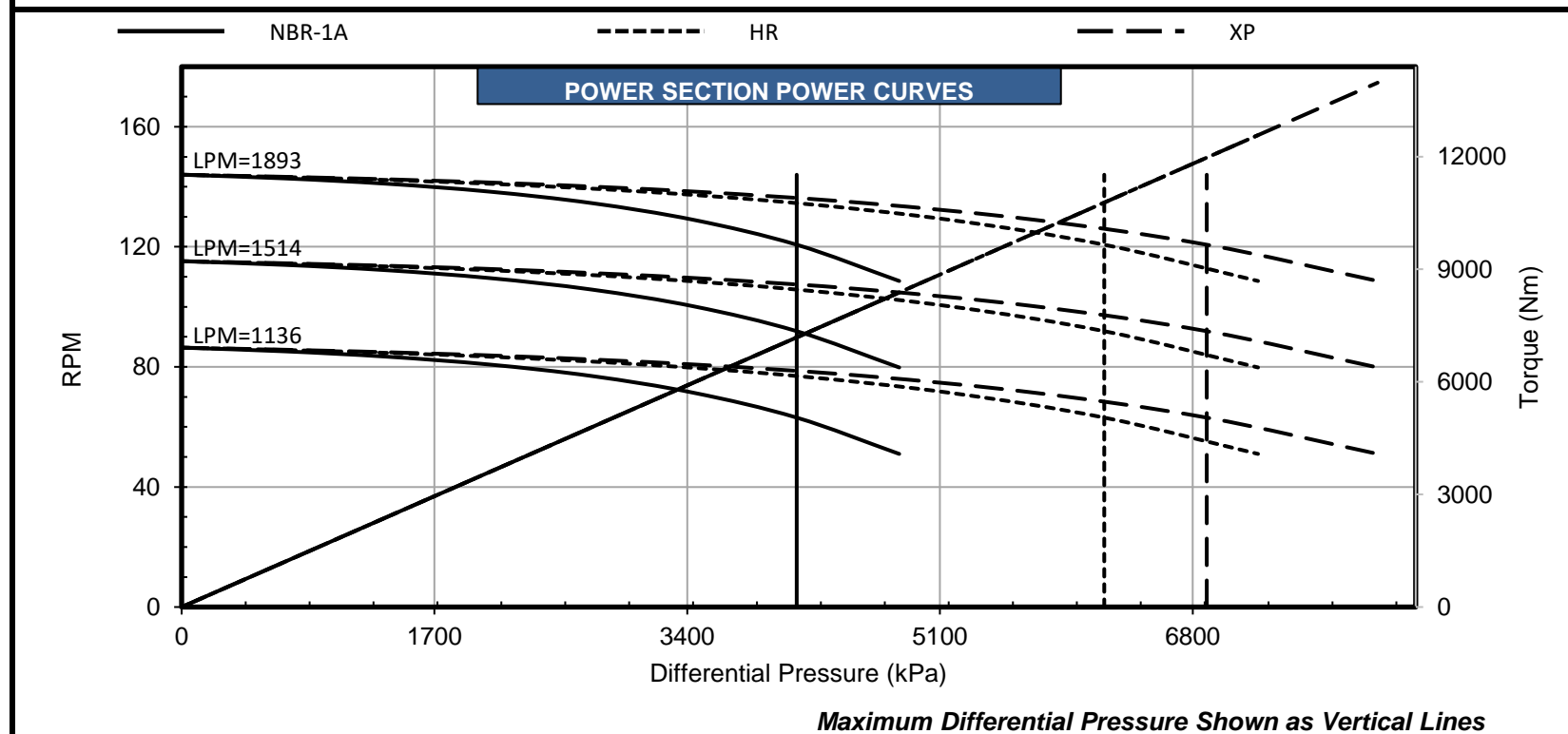
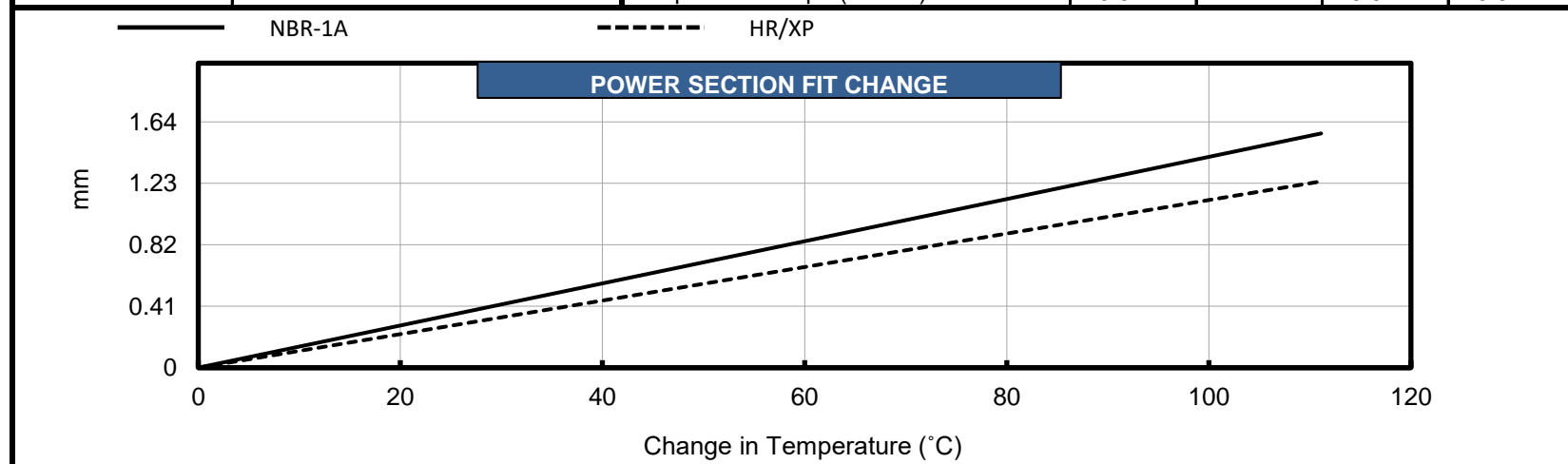
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			98.43	98.43*
1 Oversize	98.86			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.33	0.33*
1 Oversize	-0.10			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	3860.8	Overall Length	4318.0
Contour Length	3708.4	Rubber Cutback #1**	203.2
Eccentricity	5.51	Rubber Cutback #2**	203.2
Major Diameter	109.78	Tube O.D.	165.1
Head Diameter	95.25	Tube I.D.	133.4
Weight (kg)	232	Weight (kg)	272
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	1.737 Nm/kPa	Max. Diff. Press. (kPa)	4137		6205	6895
Flow Range	1136 to 1893 Litre/min	Max. Torque (Nm)	7186		10779	11972
RPG	0.076 rev/litre	Stall Diff. Press. (kPa)	6205		9308	10342
Speed Range	86 to 144 RPM	Stall Torque (Nm)	10779		16161	17965
Off Bottom Press.	669 kPa	Max. Recommended (kW)	91		136	151
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	145		221	248
		Temperature Slope (mm/°C)	0.0141		0.0112	0.0112



Maximum Differential Pressure Shown as Vertical Lines

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