

POWER SECTION

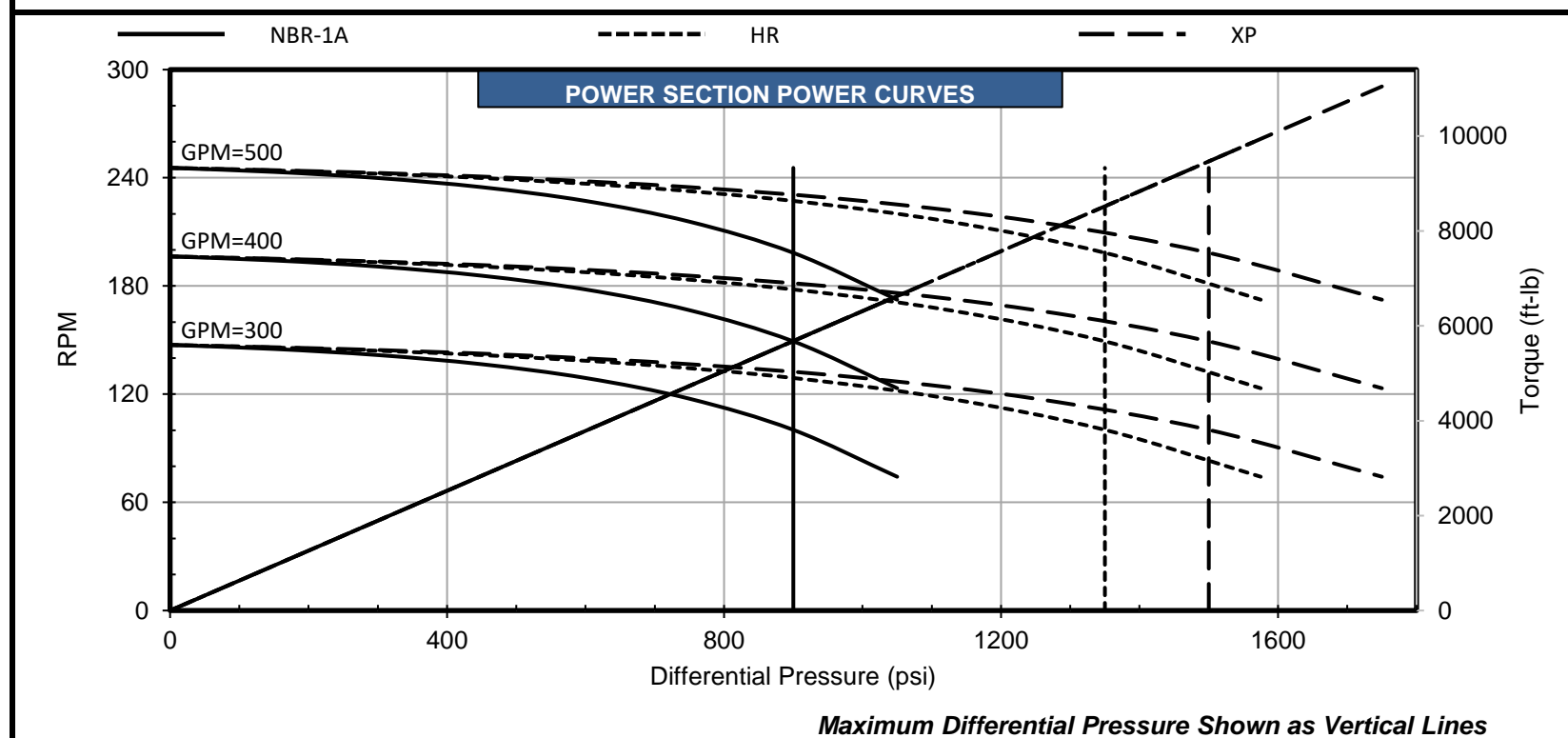
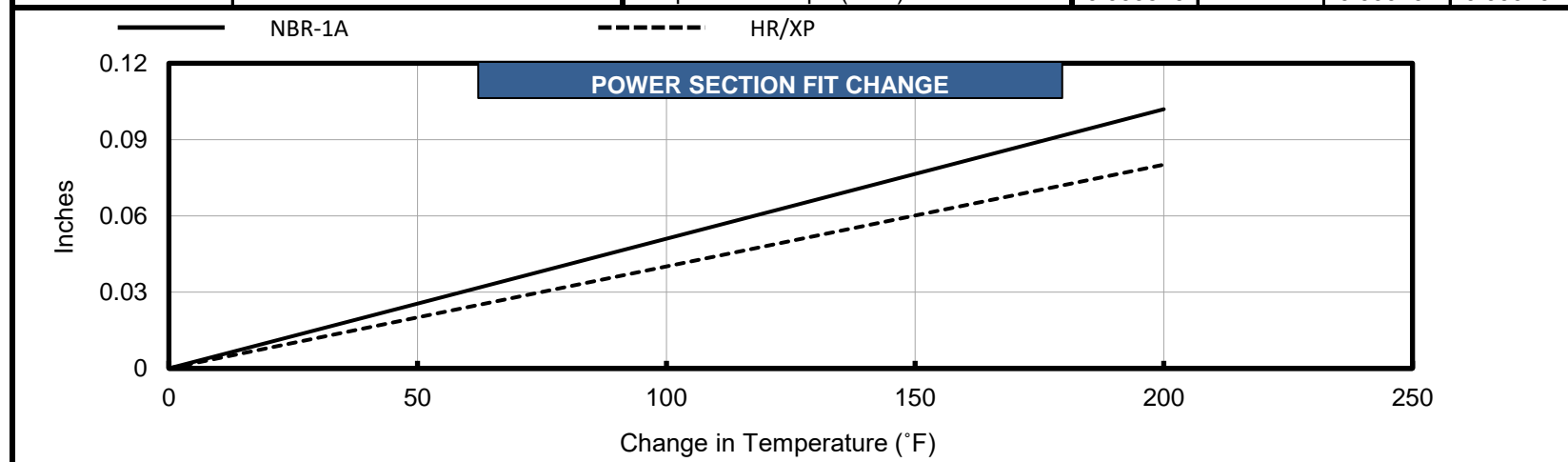
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	3.278		3.278	3.278*
1 Oversize	3.302			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	-0.031		-0.031	-0.031*
1 Oversize	-0.055			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	221.0	Overall Length	230.0
Contour Length	213.3	Rubber Cutback #1**	9.0
Eccentricity	0.355	Rubber Cutback #2**	9.0
Major Diameter	3.957	Tube O.D.	6.75
Head Diameter	4.000	Tube I.D.	5.31
Weight (lb)	433	Weight (lb)	942
Material	17-4SS	Number of Stages	6.0
Thread Form**	2 7/8 API REG		

*Pending production measurements

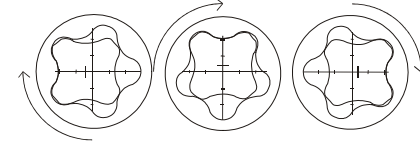
** Alternate or custom thread forms and cutbacks are available upon request

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	6.311 ft-lb/psi	Max. Diff. Press. (psi)	900		1350	1500
Flow Range	300 to 500 GPM	Max. Torque (ft-lb)	5680		8520	9470
RPG	0.491 rev/gal	Stall Diff. Press. (psi)	1350		2030	2250
Speed Range	147 to 246 RPM	Stall Torque (ft-lb)	8520		12780	14200
Off Bottom Press.	176 psi	Max. Recommended (HP)	215		322	358
		PSI Per Stage	150		225	250
		PSI Per Cavity	35		52	58
		Temperature Slope (in/°F)	0.000510		0.000401	0.000401



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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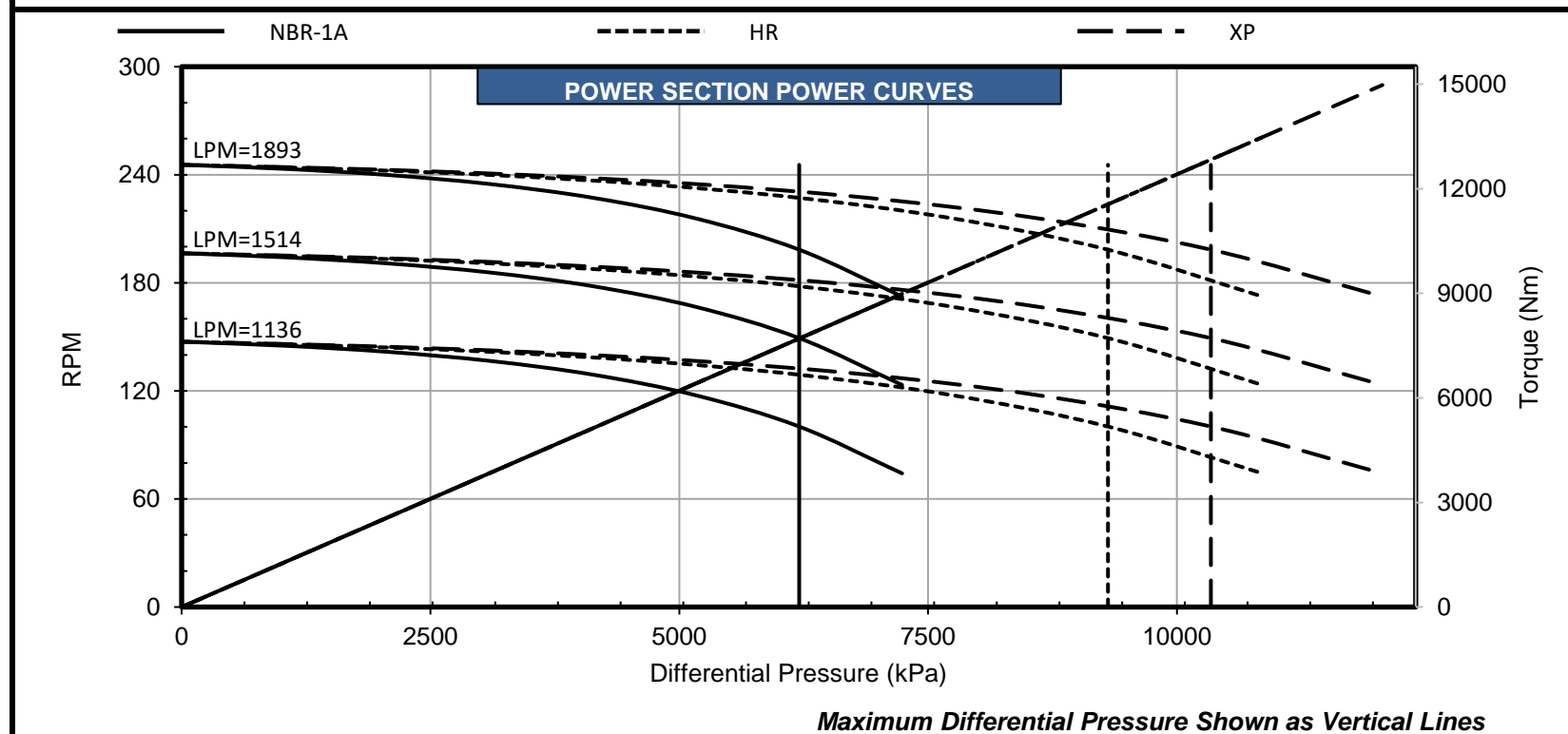
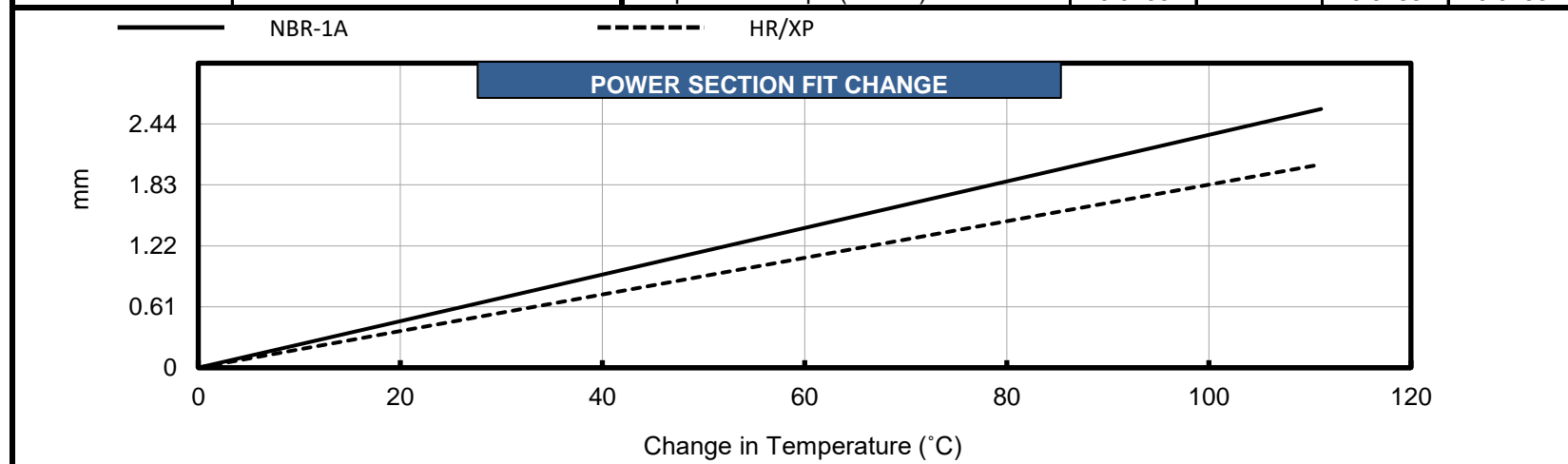
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	83.26		83.26	83.26*
1 Oversize	83.87			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	-0.79		-0.79	-0.79*
1 Oversize	-1.40			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5613.4	Overall Length	5842.0
Contour Length	5417.8	Rubber Cutback #1**	228.6
Eccentricity	9.02	Rubber Cutback #2**	228.6
Major Diameter	100.51	Tube O.D.	171.5
Head Diameter	101.60	Tube I.D.	134.9
Weight (kg)	196	Weight (kg)	427
Material	17-4SS	Number of Stages	6.0
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	1.241 Nm/kPa	Max. Diff. Press. (kPa)	6205		9308	10342
Flow Range	1136 to 1893 Litre/min	Max. Torque (Nm)	7701		11552	12840
RPG	0.130 rev/litre	Stall Diff. Press. (kPa)	9308		13996	15513
Speed Range	147 to 246 RPM	Stall Torque (Nm)	11552		17327	19253
Off Bottom Press.	1213 kPa	Max. Recommended (kW)	160		240	267
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	241		359	400
		Temperature Slope (mm/°C)	0.0233		0.0183	0.0183



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