



POWER SECTION

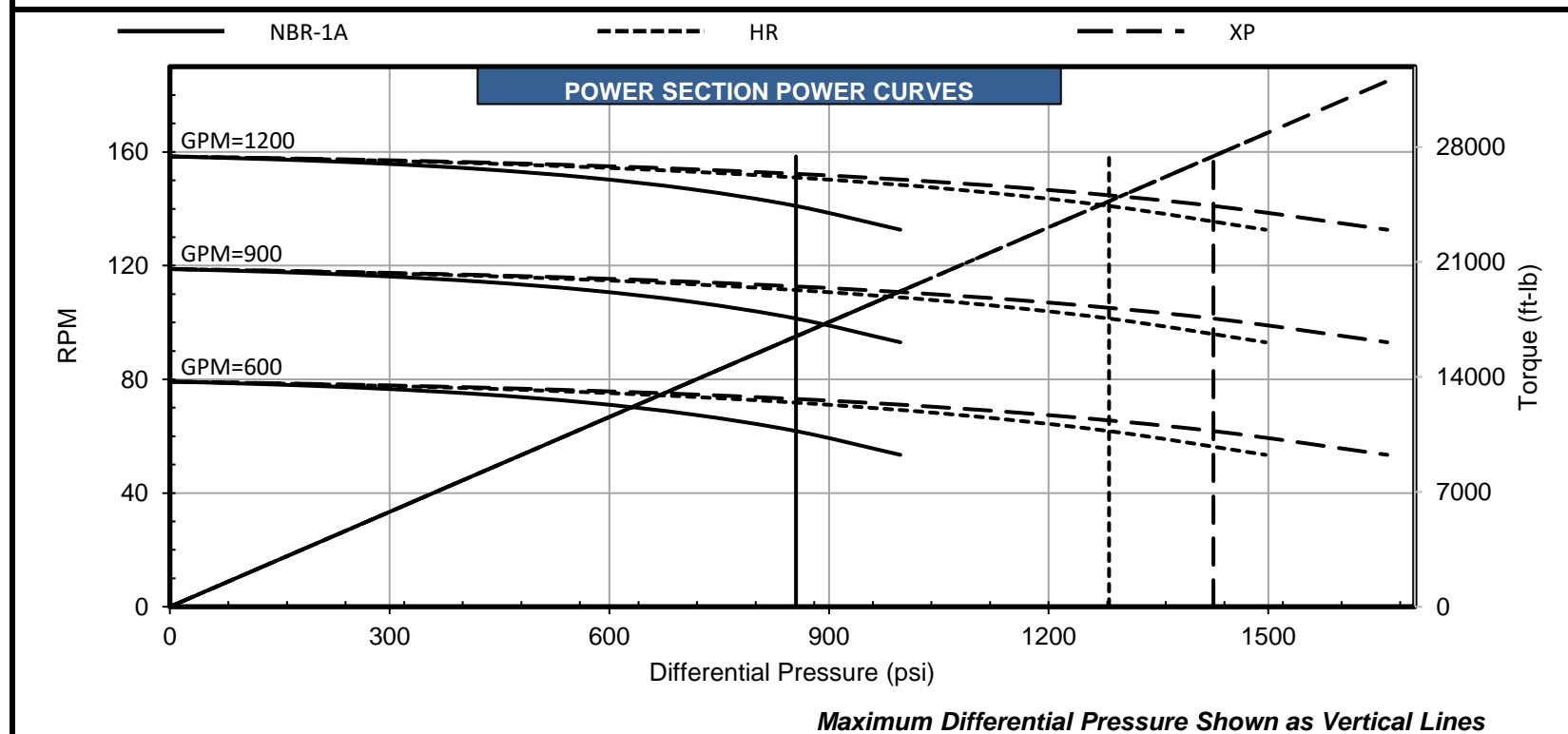
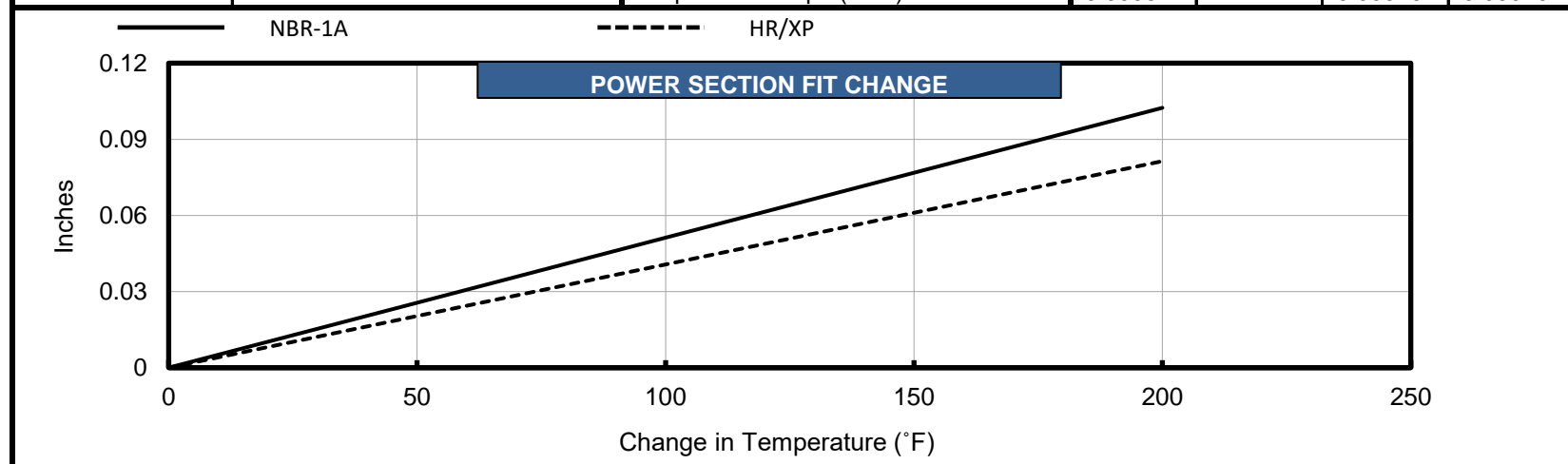
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			5.652*	5.652*
Standard	5.665			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.013*	0.013*
Standard	0.000			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	230.9	Overall Length	240.0
Contour Length	222.0	Rubber Cutback #1**	10.0
Eccentricity	0.354	Rubber Cutback #2**	10.0
Major Diameter	6.373	Tube O.D.	9.63
Head Diameter	5.500	Tube I.D.	7.88
Weight (lb)	1614	Weight (lb)	1798
Material	17-4SS	Number of Stages	5.7
Thread Form**	4.00 FH		

*Pending production measurements

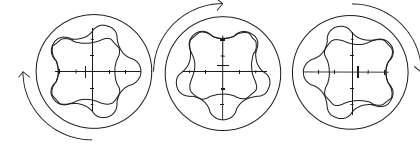
** Alternate or custom thread forms and cutbacks are available upon request

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	19.261 ft-lb/psi	Max. Diff. Press. (psi)	860		1280	1430
Flow Range	600 to 1200 GPM	Max. Torque (ft-lb)	16470		24700	27450
RPG	0.132 rev/gal	Stall Diff. Press. (psi)	1280		1920	2140
Speed Range	79 to 158 RPM	Stall Torque (ft-lb)	24700		37050	41170
Off Bottom Press.	165 psi	Max. Recommended (HP)	442		663	737
		PSI Per Stage	150		225	250
		PSI Per Cavity	22		33	37
		Temperature Slope (in/°F)	0.000512		0.000407	0.000407



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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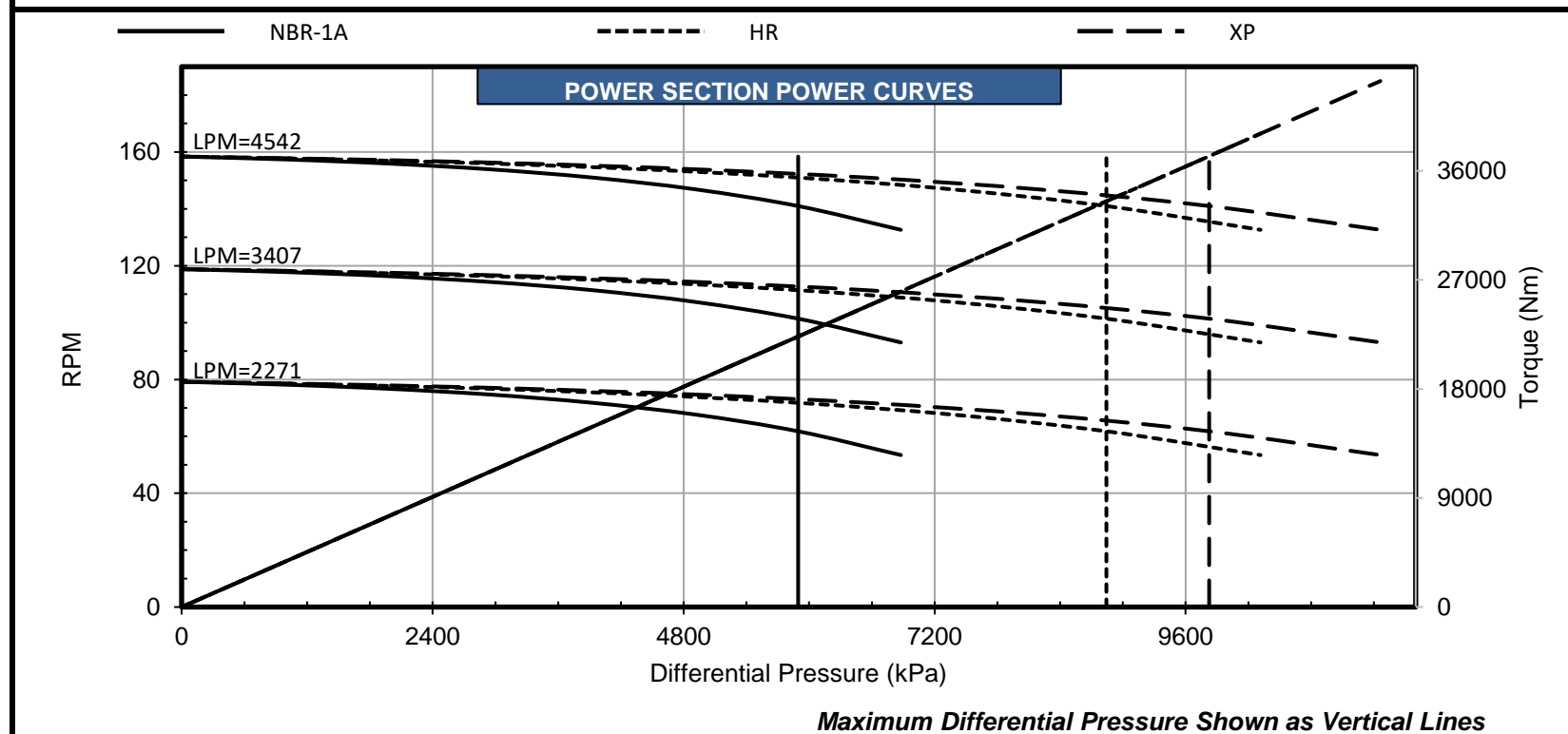
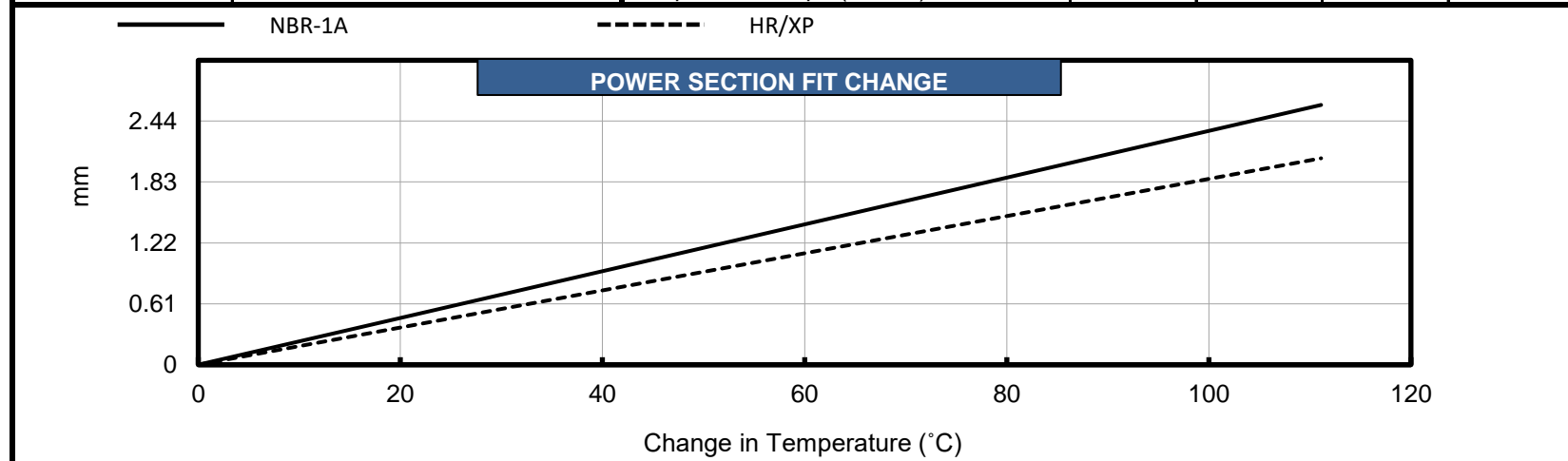
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			143.56*	143.56*
Standard	143.89			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.33*	0.33*
Standard	0.00			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5864.9	Overall Length	6096.0
Contour Length	5638.8	Rubber Cutback #1**	254.0
Eccentricity	8.99	Rubber Cutback #2**	254.0
Major Diameter	161.87	Tube O.D.	244.6
Head Diameter	139.70	Tube I.D.	200.2
Weight (kg)	732	Weight (kg)	816
Material	17-4SS	Number of Stages	5.7
Thread Form**	4.00 FH		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.788 Nm/kPa	Max. Diff. Press. (kPa)	5929		8825	9860
Flow Range	2271 to 4542 Litre/min	Max. Torque (Nm)	22330		33489	37217
RPG	0.035 rev/litre	Stall Diff. Press. (kPa)	8825		13238	14755
Speed Range	79 to 158 RPM	Stall Torque (Nm)	33489		50233	55819
Off Bottom Press.	1138 kPa	Max. Recommended (kW)	330		495	550
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	152		228	255
		Temperature Slope (mm/°C)	0.0234		0.0186	0.0186



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