

POWER SECTION

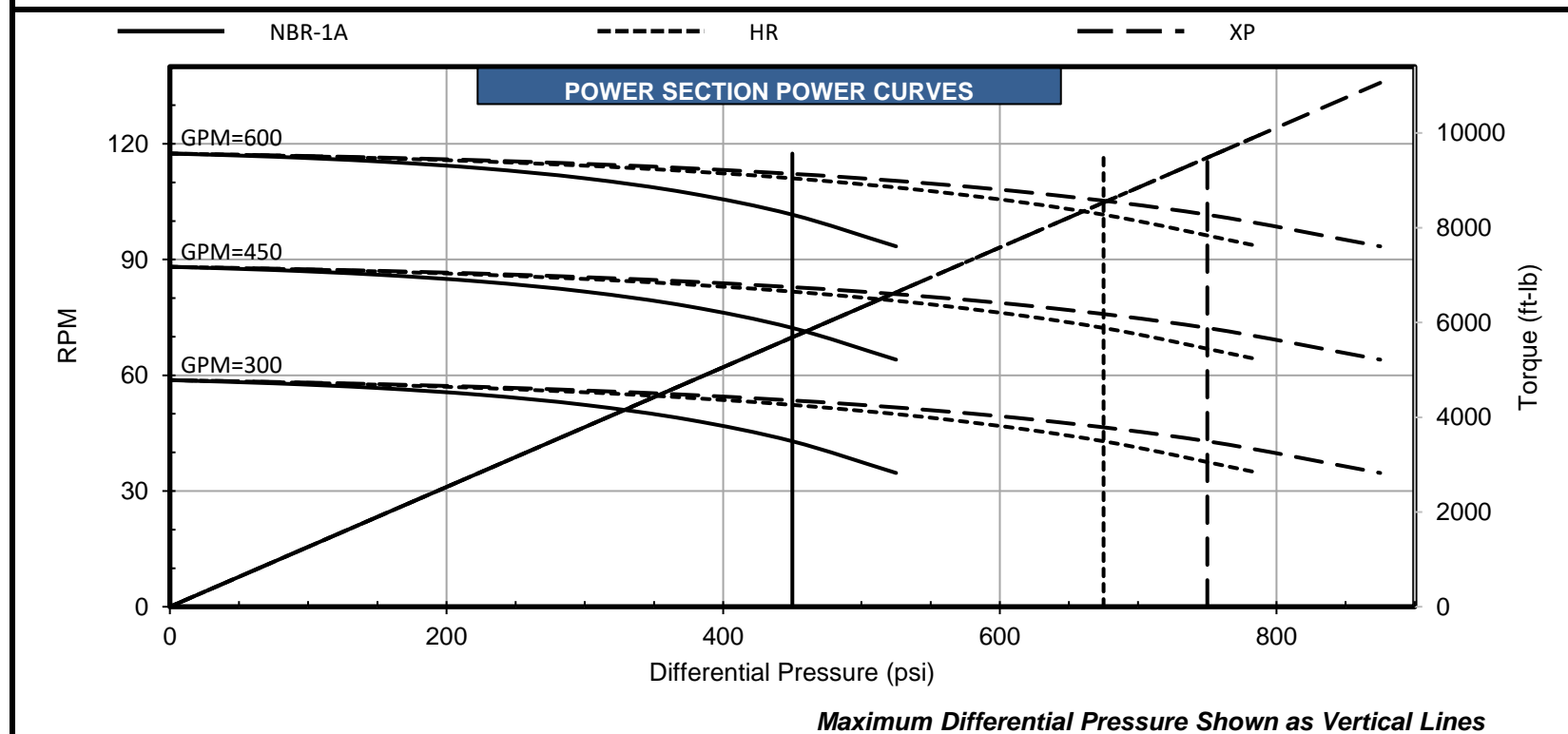
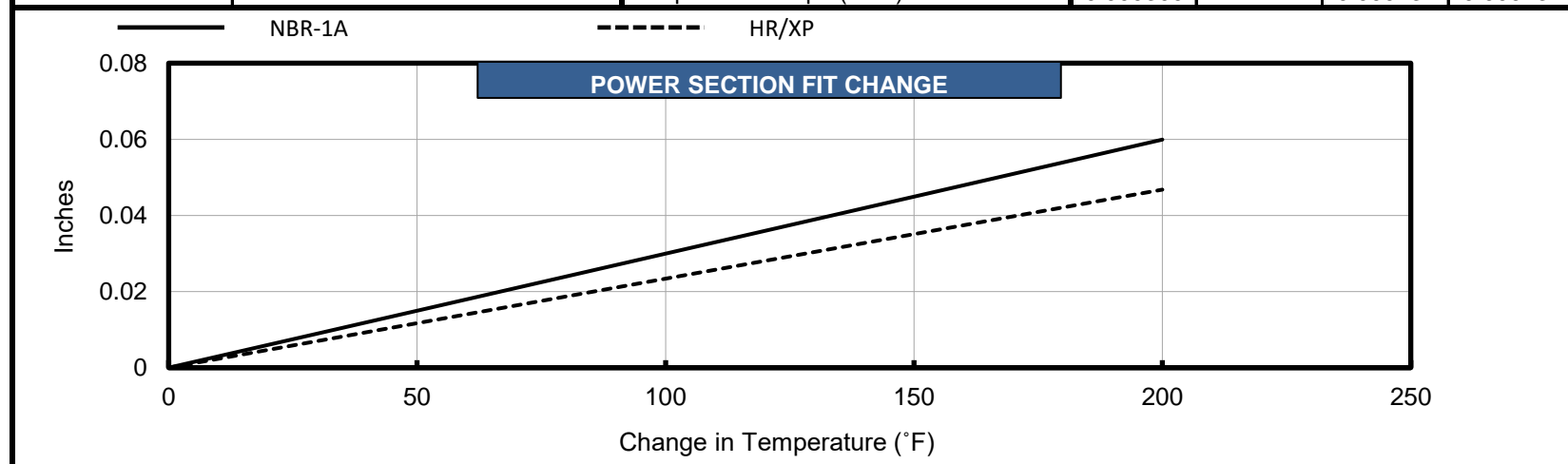
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	3.656		3.665	3.665*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.004		-0.005	-0.005*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	190.0	Overall Length	204.0
Contour Length	183.5	Rubber Cutback #1**	8.0
Eccentricity	0.230	Rubber Cutback #2**	8.0
Major Diameter	4.120	Tube O.D.	6.25
Head Diameter	4.000	Tube I.D.	5.00
Weight (lb)	526	Weight (lb)	685
Material	17-4SS	Number of Stages	3.0
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	12.639 ft-lb/psi	Max. Diff. Press. (psi)	450		680	750
Flow Range	300 to 600 GPM	Max. Torque (ft-lb)	5690		8530	9480
RPG	0.196 rev/gal	Stall Diff. Press. (psi)	680		1010	1130
Speed Range	59 to 117 RPM	Stall Torque (ft-lb)	8530		12800	14220
Off Bottom Press.	79 psi	Max. Recommended (HP)	110		165	183
		PSI Per Stage	150		225	250
		PSI Per Cavity	26		40	44
		Temperature Slope (in/°F)	0.000300		0.000234	0.000234



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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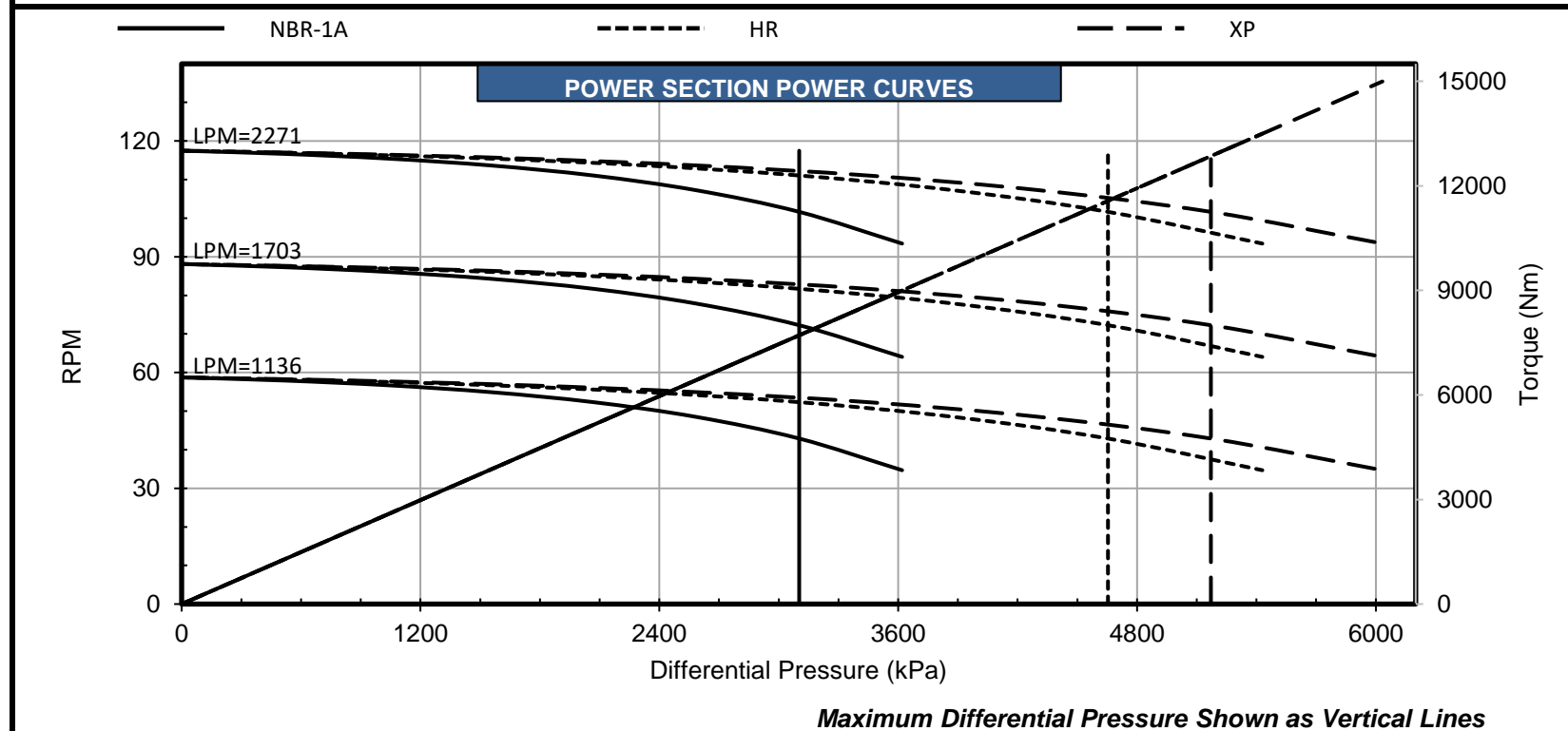
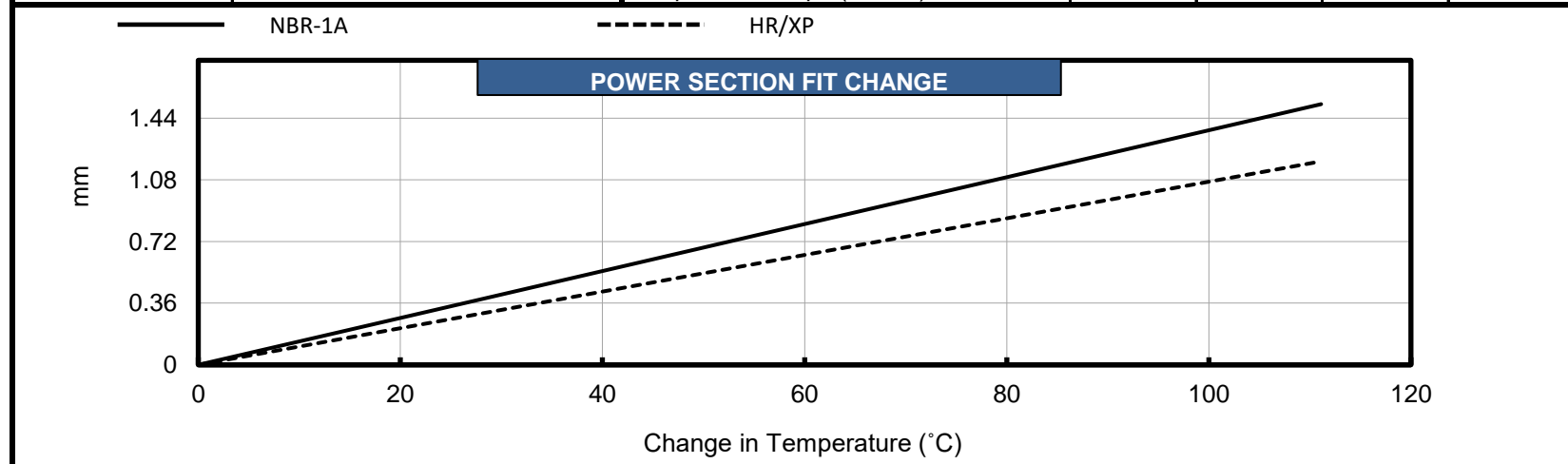
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	92.86		93.09	93.09*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.10		-0.13	-0.13*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	4826.0	Overall Length	5181.6
Contour Length	4660.9	Rubber Cutback #1**	203.2
Eccentricity	5.84	Rubber Cutback #2**	203.2
Major Diameter	104.65	Tube O.D.	158.8
Head Diameter	101.60	Tube I.D.	127.0
Weight (kg)	239	Weight (kg)	311
Material	17-4SS	Number of Stages	3.0
Thread Form**	2 3/8 API REG		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	2.485 Nm/kPa	Max. Diff. Press. (kPa)	3103		4688	5171
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)	7715		11565	12853
RPG	0.052 rev/litre	Stall Diff. Press. (kPa)	4688		6964	7791
Speed Range	59 to 117 RPM	Stall Torque (Nm)	11565		17354	19280
Off Bottom Press.	545 kPa	Max. Recommended (kW)	82		123	137
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	179		276	303
		Temperature Slope (mm/°C)	0.0137		0.0107	0.0107



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