



POWER SECTION

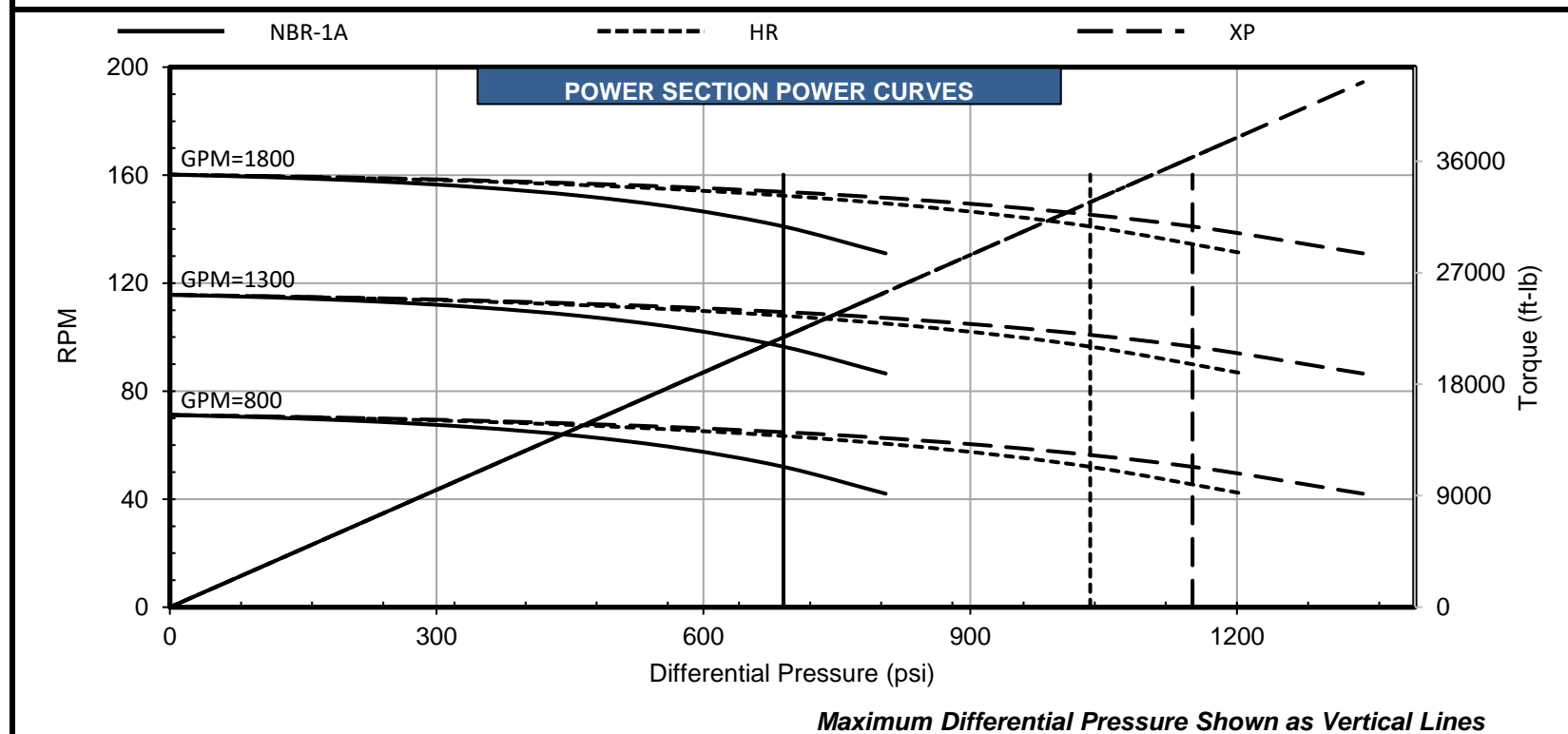
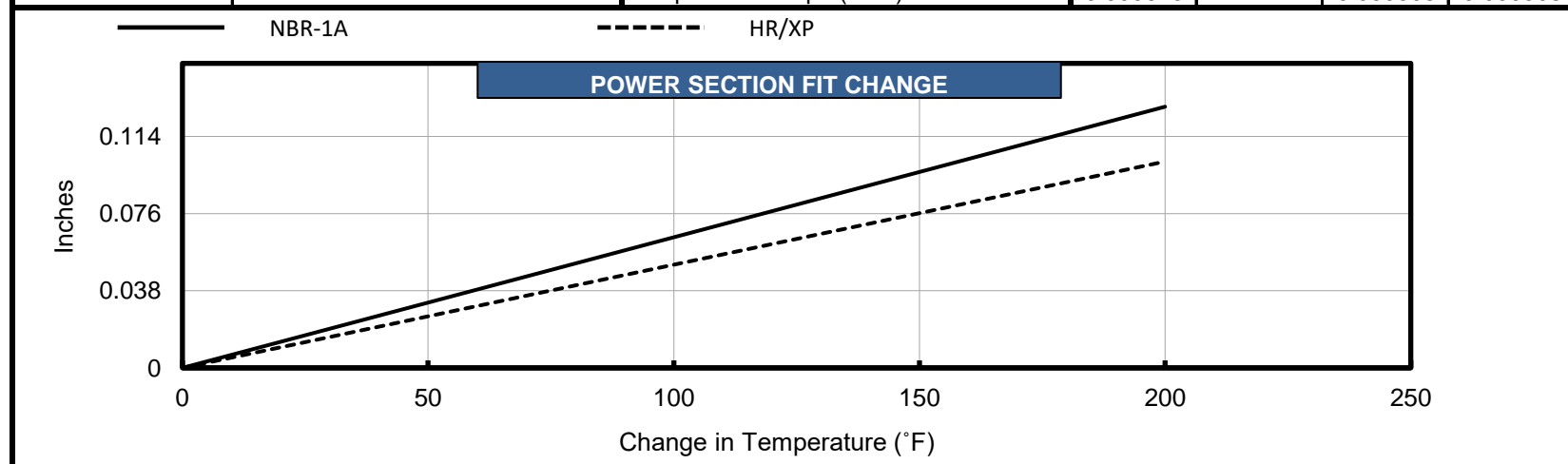
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	6.411		6.411	6.411*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.011		0.011	0.011*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	219.5	Overall Length	230.0
Contour Length	210.5	Rubber Cutback #1**	10.5
Eccentricity	0.538	Rubber Cutback #2**	10.5
Major Diameter	7.498	Tube O.D.	11.50
Head Diameter	6.500	Tube I.D.	9.25
Weight (lb)	1965	Weight (lb)	2590
Material	17-4SS	Number of Stages	4.6
Thread Form**	4 1/2 API REG OR 4 1/2 API IF		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	31.594 ft-lb/psi	Max. Diff. Press. (psi)	690		1040	1150
Flow Range	800 to 1800 GPM	Max. Torque (ft-lb)	21800		32700	36330
RPG	0.089 rev/gal	Stall Diff. Press. (psi)	1040		1550	1730
Speed Range	71 to 160 RPM	Stall Torque (ft-lb)	32700		49050	54500
Off Bottom Press.	177 psi	Max. Recommended (HP)	585		878	975
		PSI Per Stage	150		225	250
		PSI Per Cavity	31		46	51
		Temperature Slope (in/°F)	0.000643		0.000508	0.000508



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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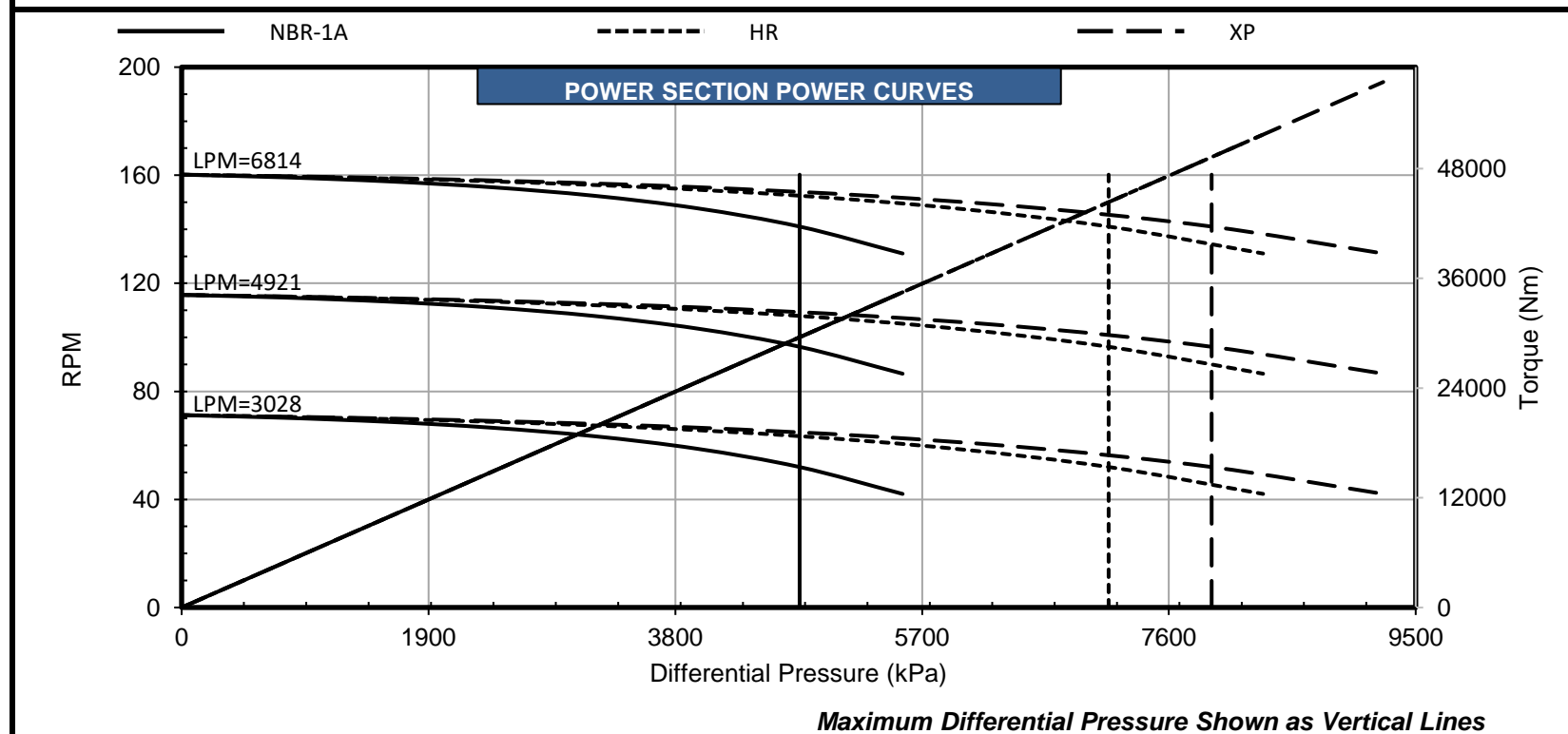
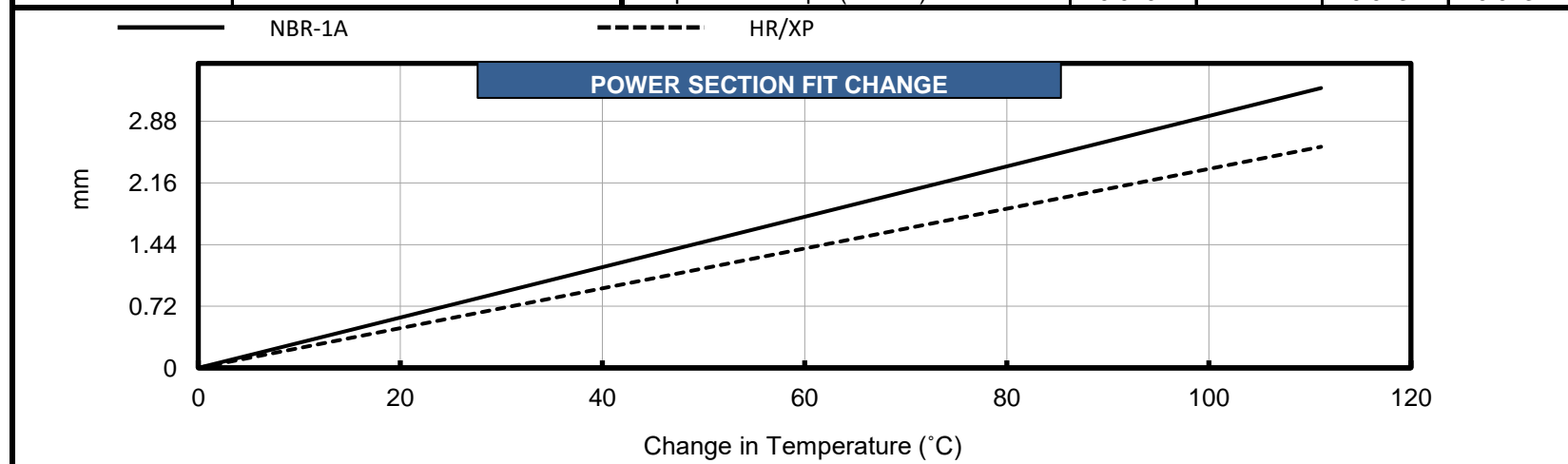
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	162.84		162.84	162.84*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.28		0.28	0.28*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5575.3	Overall Length	5842.0
Contour Length	5346.7	Rubber Cutback #1**	266.7
Eccentricity	13.67	Rubber Cutback #2**	266.7
Major Diameter	190.45	Tube O.D.	292.1
Head Diameter	165.10	Tube I.D.	235.0
Weight (kg)	891	Weight (kg)	1175
Material	17-4SS	Number of Stages	4.6
Thread Form**	4 1/2 API REG OR 4 1/2 API IF		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	6.213 Nm/kPa	4757		7171	7929
Flow Range	3028 to 6814 Litre/min	29557		44335	49257
RPG	0.024 rev/litre	7171		10687	11928
Speed Range	71 to 160 RPM	44335		66503	73892
Off Bottom Press.	1220 kPa	437		655	728
		kPa Per Stage	1034	1551	1724
		kPa Per Cavity	214	317	352
		Temperature Slope (mm/°C)	0.0294	0.0232	0.0232



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