



POWER SECTION

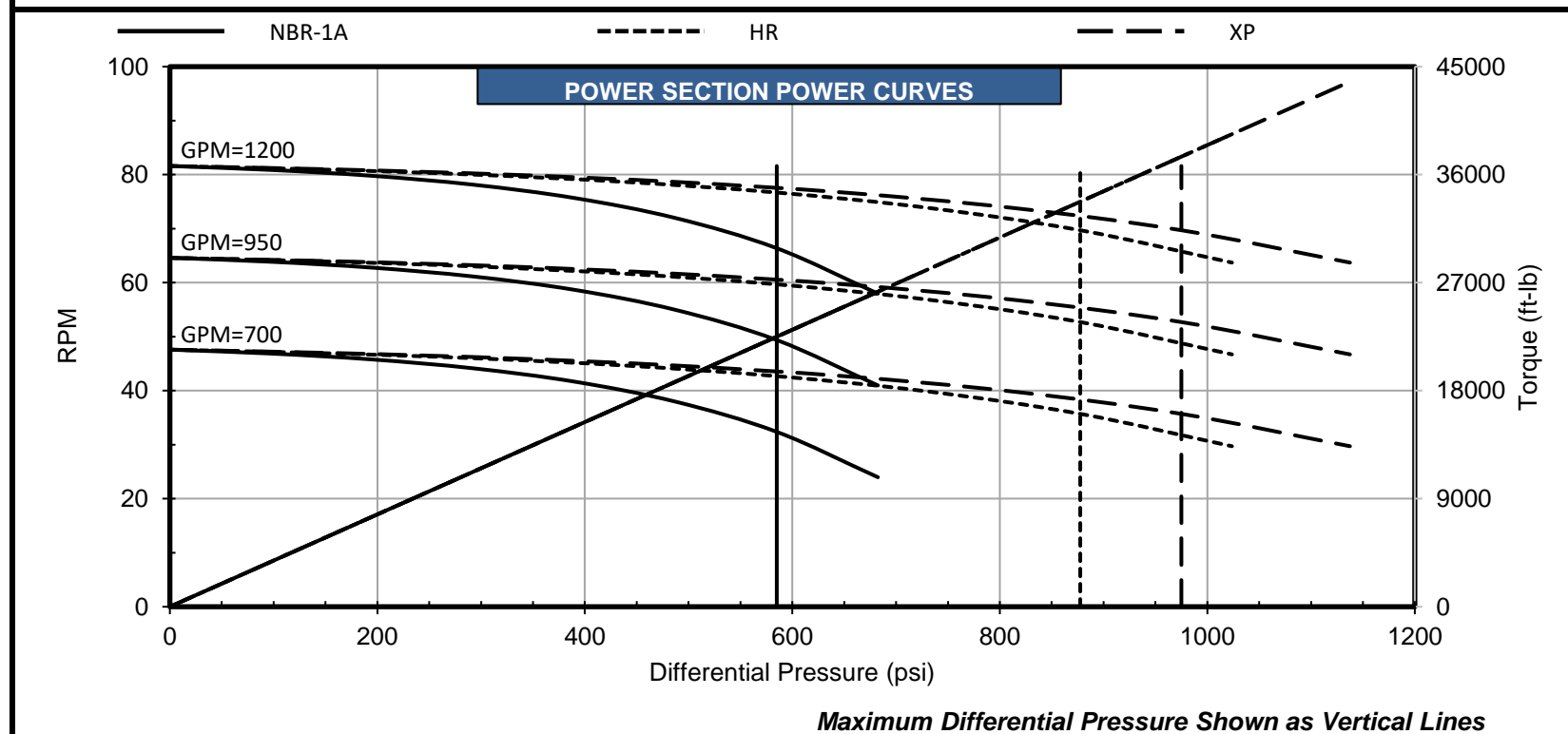
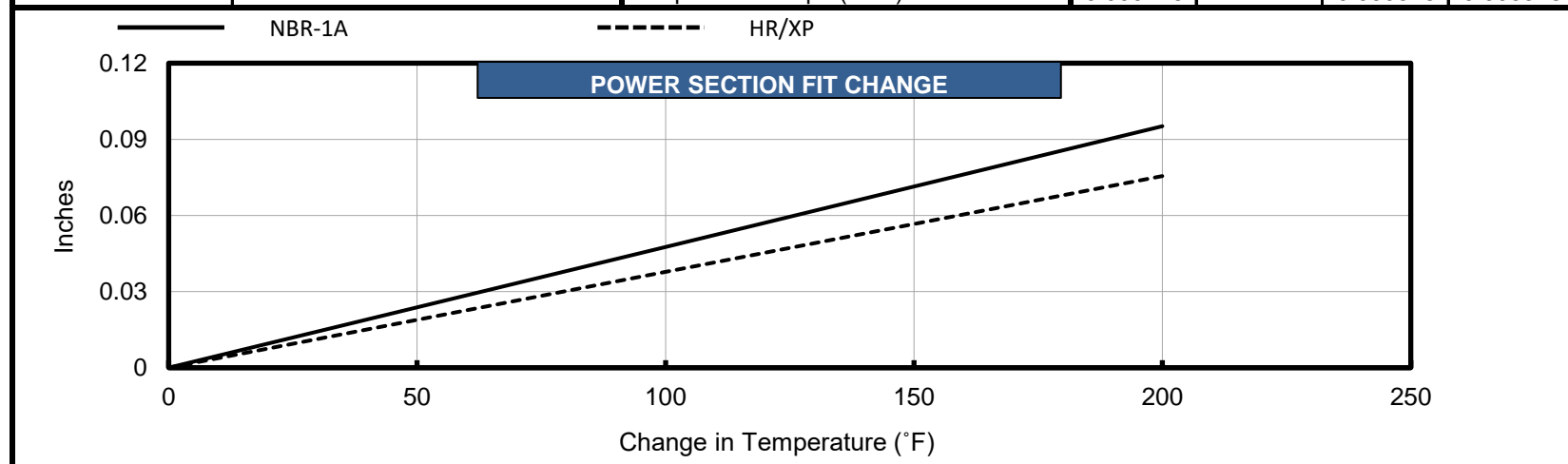
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			5.756	5.756*
Standard	5.767			
0.5 Oversize			5.786*	5.786*
1 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.022	0.022*
Standard	0.011			
0.5 Oversize			-0.008*	-0.008*
1 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	290.0	Overall Length	300.0
Contour Length	281.0	Rubber Cutback #1**	10.0
Eccentricity	0.368	Rubber Cutback #2**	10.0
Major Diameter	6.515	Tube O.D.	9.63
Head Diameter	5.500	Tube I.D.	7.88
Weight (lb)	1905	Weight (lb)	2232
Material	17-4SS	Number of Stages	3.9
Thread Form**	4 API FH		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	38.462 ft-lb/psi	Max. Diff. Press. (psi)	590		880	980
Flow Range	700 to 1200 GPM	Max. Torque (ft-lb)	22500		33750	37500
RPG	0.068 rev/gal	Stall Diff. Press. (psi)	880		1320	1460
Speed Range	48 to 82 RPM	Stall Torque (ft-lb)	33750		50630	56250
Off Bottom Press.	121 psi	Max. Recommended (HP)	284		448	498
		PSI Per Stage	150		225	250
		PSI Per Cavity	24		36	40
		Temperature Slope (in/°F)	0.000476		0.000378	0.000378



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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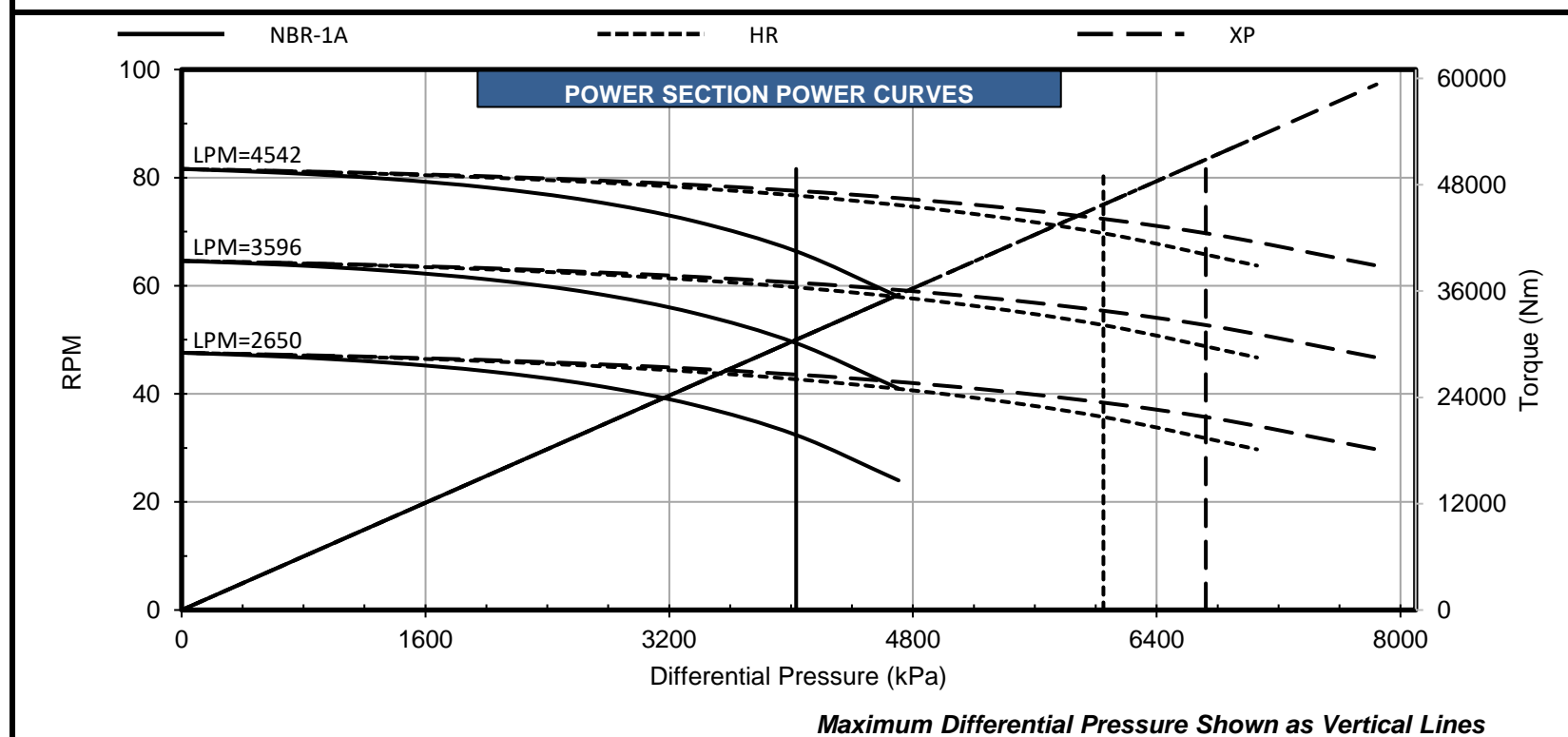
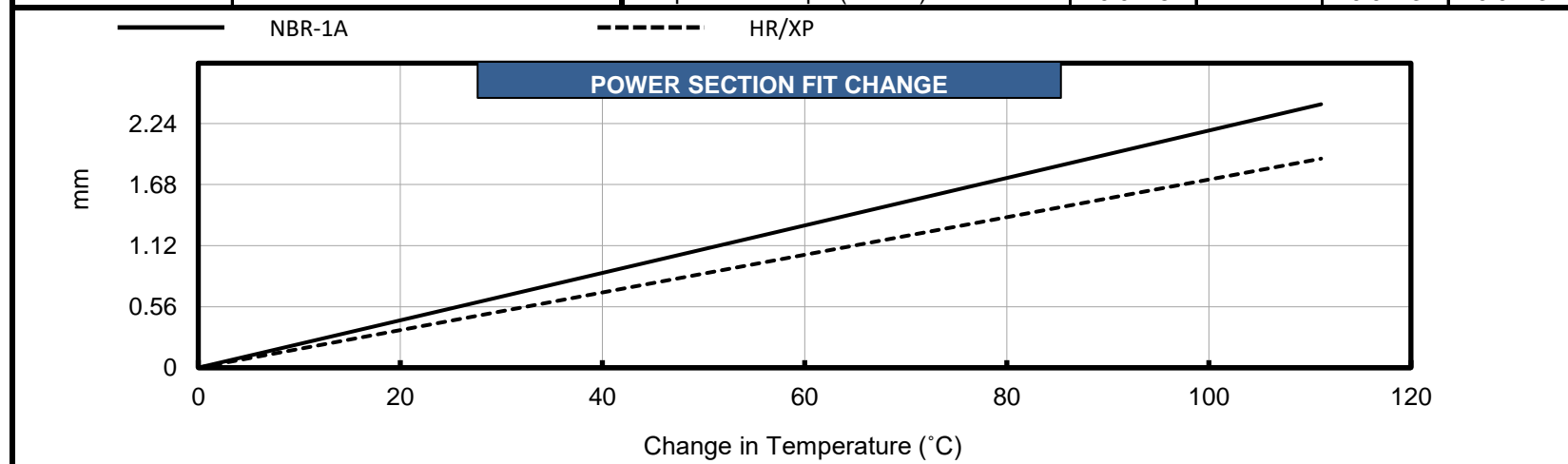
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			146.20	146.20*
Standard	146.48			
0.5 Oversize			146.96*	146.96*
1 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.56	0.56*
Standard	0.28			
0.5 Oversize			-0.20*	-0.20*
1 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	7366.0	Overall Length	7620.0
Contour Length	7137.4	Rubber Cutback #1**	254.0
Eccentricity	9.35	Rubber Cutback #2**	254.0
Major Diameter	165.48	Tube O.D.	244.6
Head Diameter	139.70	Tube I.D.	200.2
Weight (kg)	864	Weight (kg)	1012
Material	17-4SS	Number of Stages	3.9
Thread Form**	4 API FH		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	7.563 Nm/kPa	Max. Diff. Press. (kPa)	4068		6067	6757
Flow Range	2650 to 4542 Litre/min	Max. Torque (Nm)	30506		45759	50843
RPG	0.018 rev/litre	Stall Diff. Press. (kPa)	6067		9101	10066
Speed Range	48 to 82 RPM	Stall Torque (Nm)	45759		68645	76265
Off Bottom Press.	834 kPa	Max. Recommended (kW)	212		334	371
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	165		248	276
		Temperature Slope (mm/°C)	0.0218		0.0173	0.0173



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