

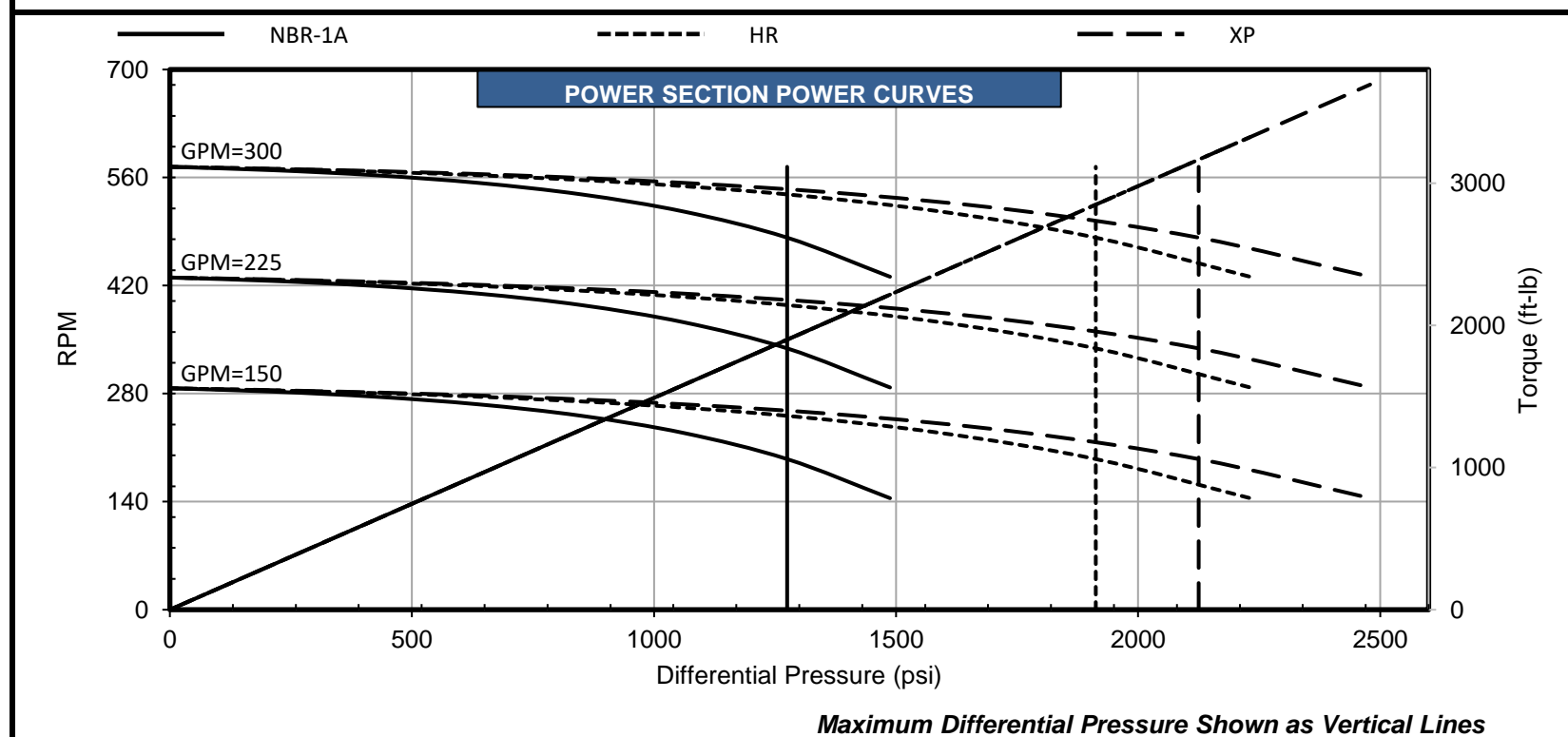
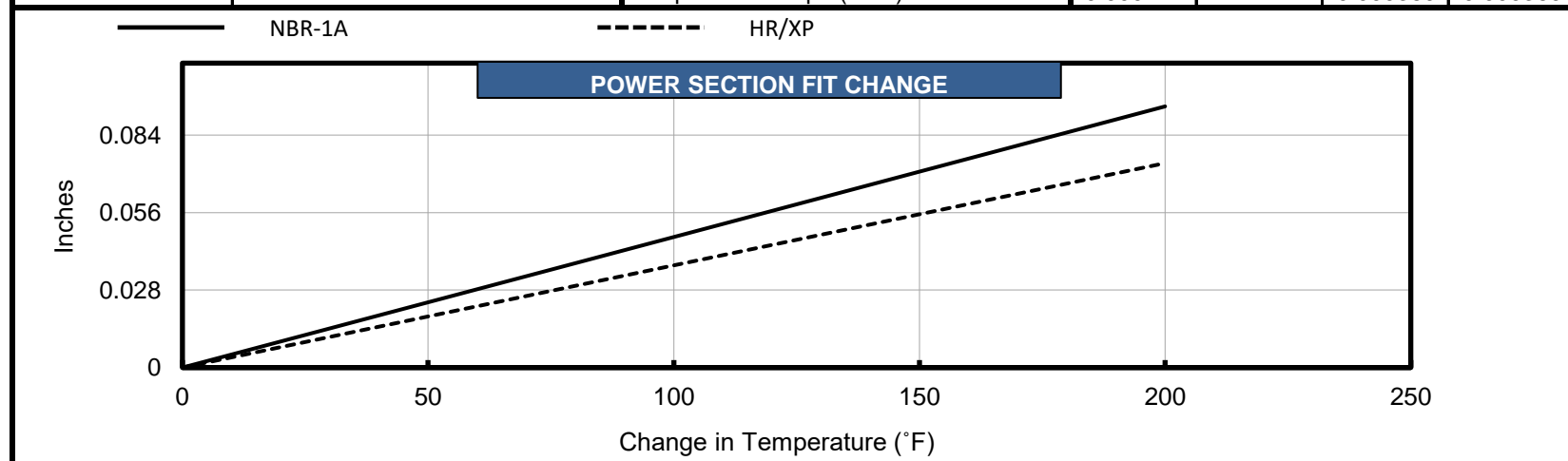
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(in)	(in)	(in)	(in)
		XR	HR	XP				
1 Undersize					Overall Length	252.0	Overall Length	260.0
Standard	2.010				Contour Length	246.0	Rubber Cutback #1**	8.0
1 Oversize			2.046	2.046*	Eccentricity	0.295	Rubber Cutback #2**	8.0
2 Oversize					Major Diameter	2.597	Tube O.D.	4.75
Nominal Fit at 75°F					Head Diameter	2.750	Tube I.D.	3.75
1 Undersize					Weight (lb)	231	Weight (lb)	552
Standard	-0.002				Material	17-4SS	Number of Stages	8.5
1 Oversize			-0.038	-0.038*	Thread Form**	2 3/8 Hughes External Flush Mod Flat		
2 Oversize								

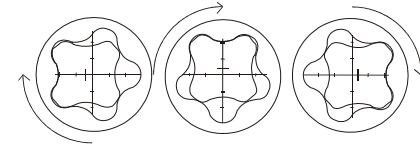
*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.490 ft-lb/psi	Max. Diff. Press. (psi)	1280		1910	2130
Flow Range	150 to 300 GPM	Max. Torque (ft-lb)	1900		2850	3170
RPG	1.913 rev/gal	Stall Diff. Press. (psi)	1910		2870	3190
Speed Range	287 to 574 RPM	Stall Torque (ft-lb)	2850		4270	4750
Off Bottom Press.	164 psi	Max. Recommended (HP)	174		262	291
		PSI Per Stage	150		225	250
		PSI Per Cavity	54		81	90
		Temperature Slope (in/°F)	0.000472		0.000369	0.000369



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.



POWER SECTION

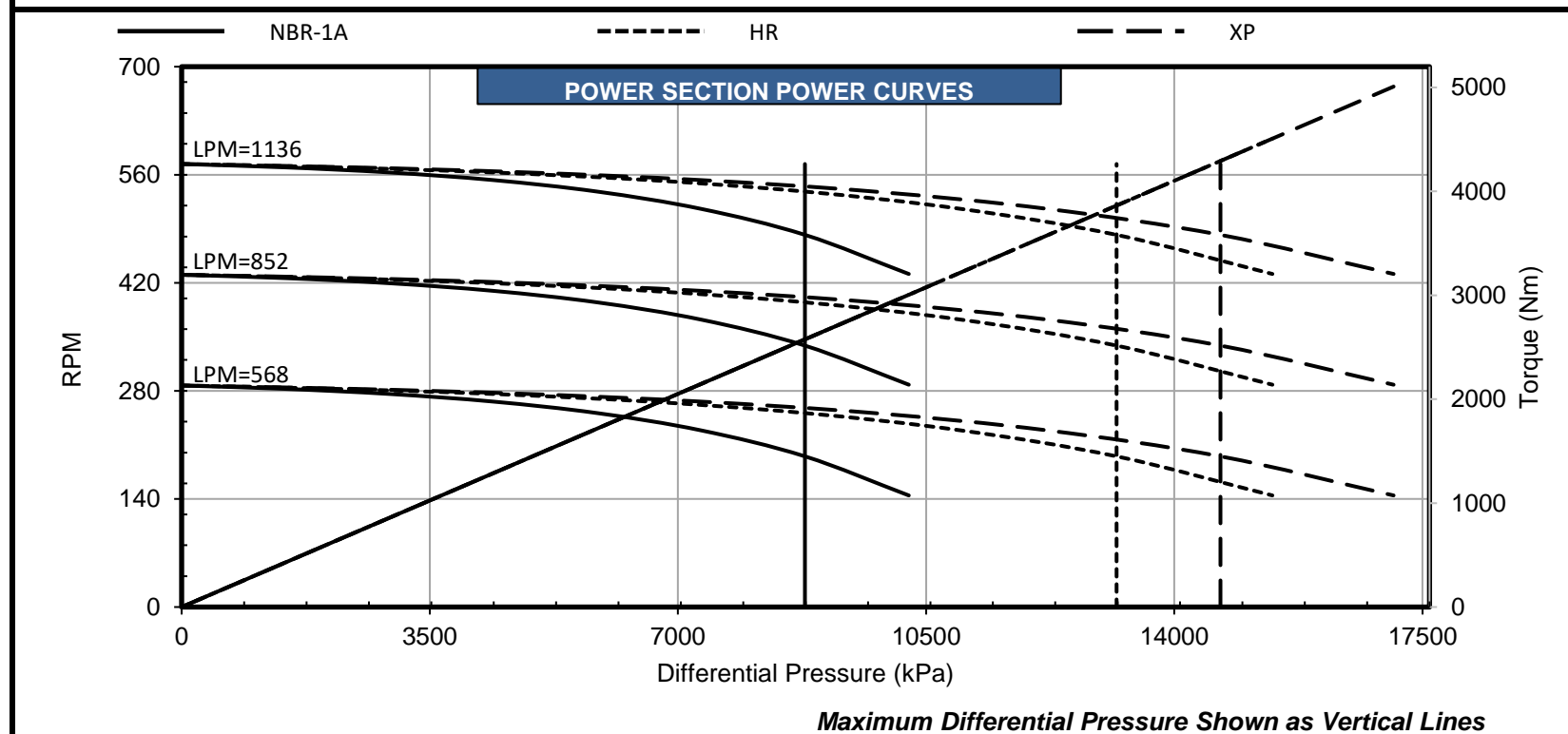
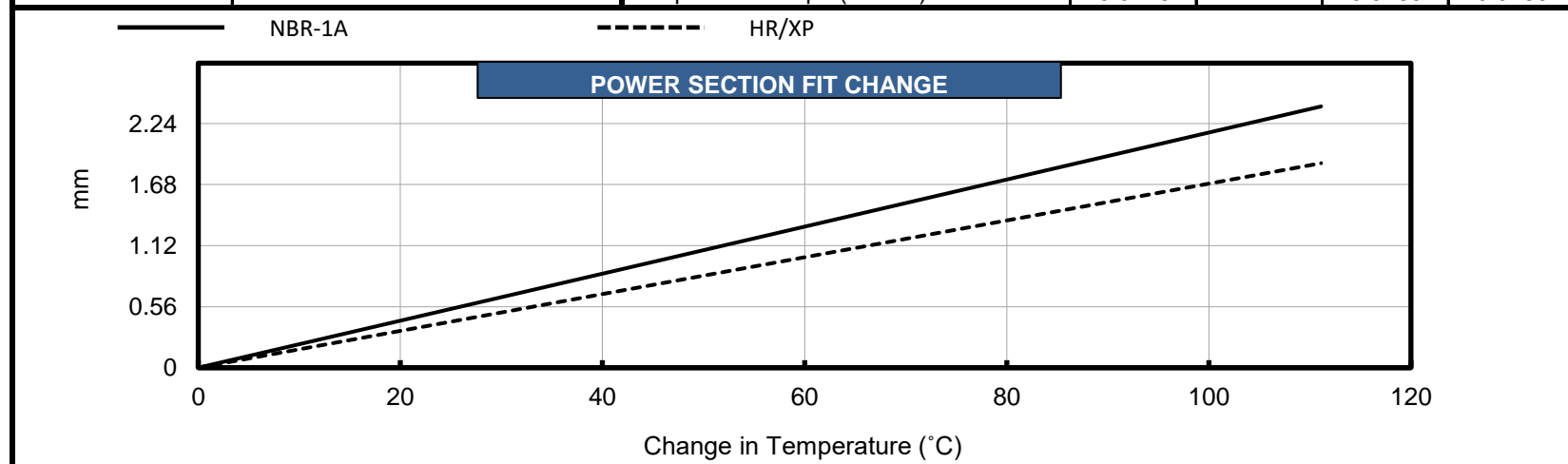
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	51.05			
1 Oversize			51.97	51.97*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	-0.05			
1 Oversize			-0.97	-0.97*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	6400.8	Overall Length	6604.0
Contour Length	6248.4	Rubber Cutback #1**	203.2
Eccentricity	7.48	Rubber Cutback #2**	203.2
Major Diameter	65.96	Tube O.D.	120.7
Head Diameter	69.85	Tube I.D.	95.3
Weight (kg)	105	Weight (kg)	250
Material	17-4SS	Number of Stages	8.5
Thread Form**	2 3/8 Hughes External Flush Mod Flat		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	0.293 Nm/kPa	Max. Diff. Press. (kPa)	8825		13169	14686
Flow Range	568 to 1136 Litre/min	Max. Torque (Nm)	2576		3864	4298
RPG	0.505 rev/litre	Stall Diff. Press. (kPa)	13169		19788	21994
Speed Range	287 to 574 RPM	Stall Torque (Nm)	3864		5789	6440
Off Bottom Press.	1131 kPa	Max. Recommended (kW)	130		195	217
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	372		558	621
		Temperature Slope (mm/°C)	0.0216		0.0169	0.0169



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