



POWER SECTION

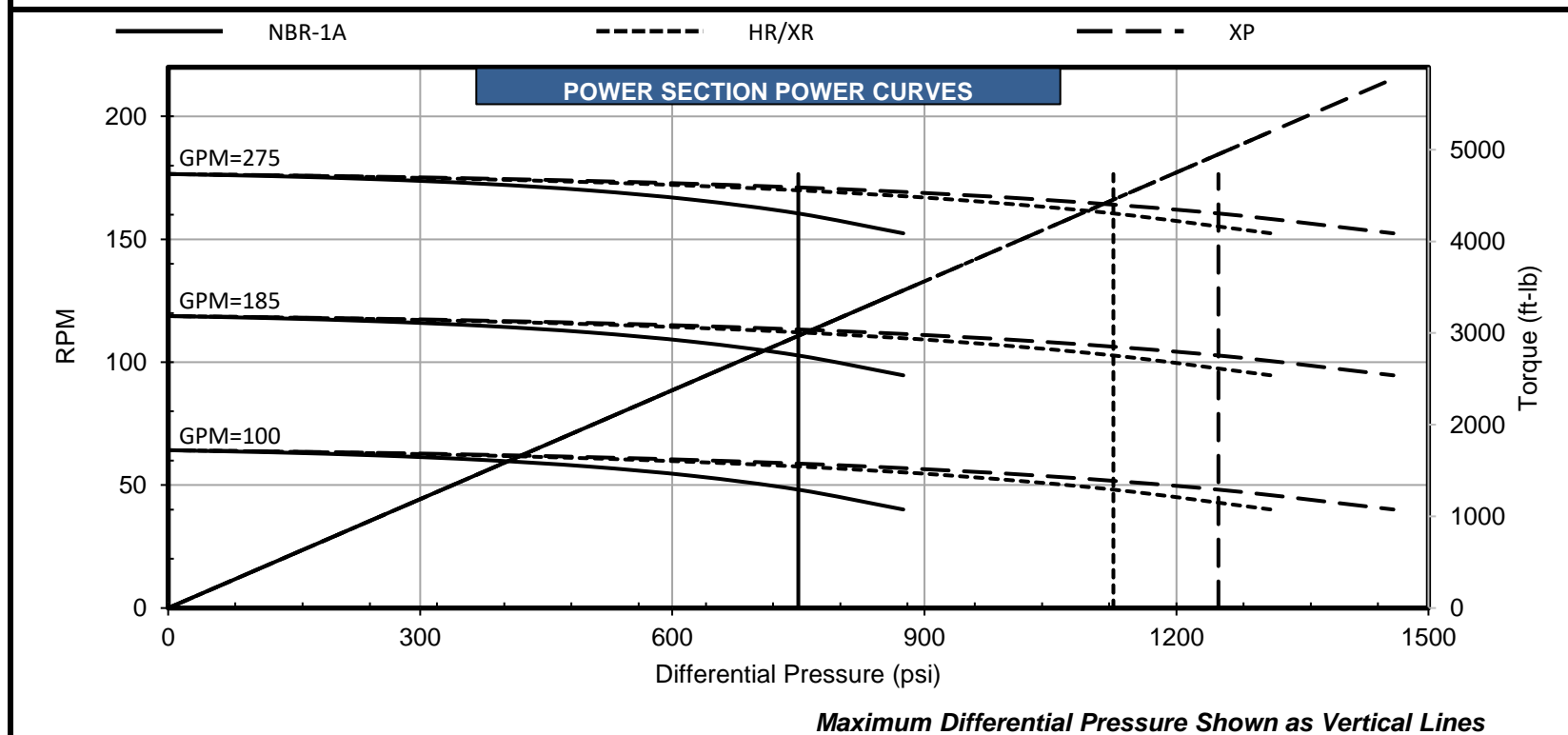
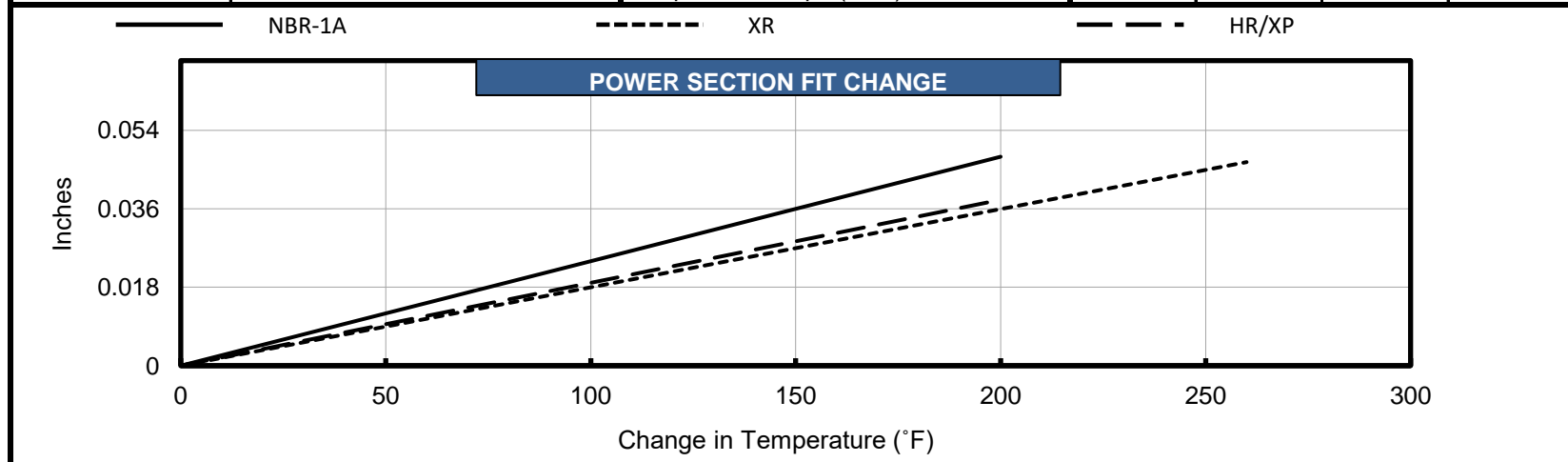
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			2.685	2.685*
Standard		2.702	2.702	2.702*
1 Oversize	2.709		2.717	2.717*
2 Oversize	2.725			
Nominal Fit at 75°F				
1 Undersize			0.017	0.017*
Standard		0.000	0.000	0.000*
1 Oversize	-0.007		-0.015	-0.015*
2 Oversize	-0.023			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	186.0	Overall Length	198.0
Contour Length	180.0	Rubber Cutback #1**	10.0
Eccentricity	0.169	Rubber Cutback #2**	12.0
Major Diameter	3.039	Tube O.D.	4.75
Head Diameter	3.125	Tube I.D.	3.75
Weight (lb)	310	Weight (lb)	407
Material	17-4SS	Number of Stages	5.0
Thread Form**	2 7/8 Hughes External Flush		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS							
			NBR-1A	XR	HR	XP	
Torque Slope	3.960 ft-lb/psi	Max. Diff. Press. (psi)	750	1130	1130	1250	
Flow Range	100 to 275 GPM	Max. Torque (ft-lb)	2970	4460	4460	4950	
RPG	0.642 rev/gal	Stall Diff. Press. (psi)	1130	1690	1690	1880	
Speed Range	64 to 177 RPM	Stall Torque (ft-lb)	4460	6680	6680	7430	
Off Bottom Press.	74 psi	Max. Recommended (HP)	91	136	136	151	
		PSI Per Stage	150	225	225	250	
		PSI Per Cavity	23	34	34	38	
		Temperature Slope (in/°F)	0.000240	0.000180	0.000190	0.000190	



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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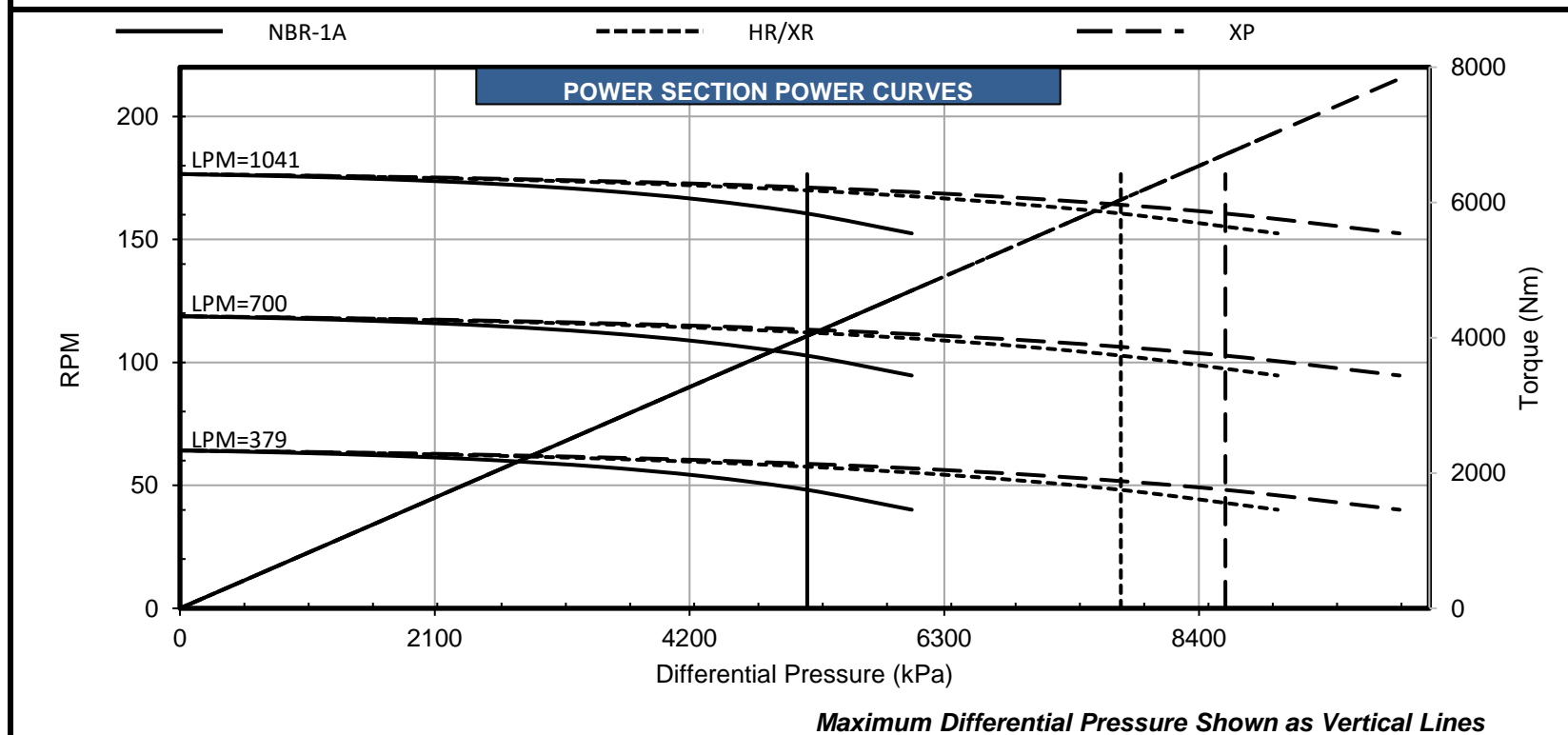
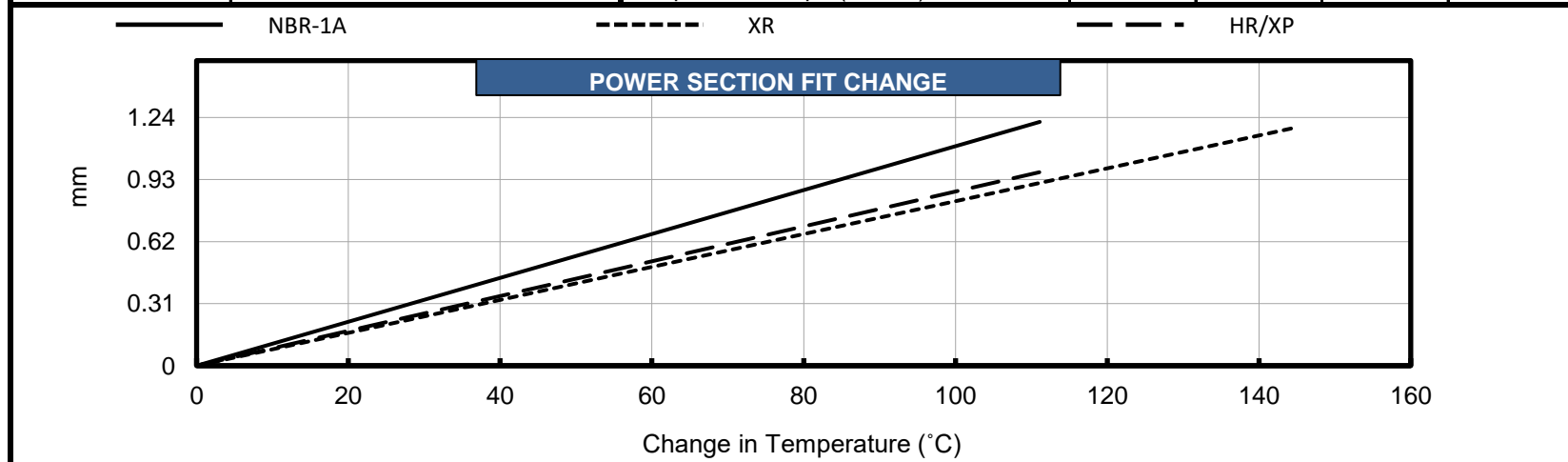
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			68.20	68.20*
Standard		68.63	68.63	68.63*
1 Oversize	68.81		69.01	69.01*
2 Oversize	69.22			
Nominal Fit at 75°F				
1 Undersize			0.43	0.43*
Standard		0.00	0.00	0.00*
1 Oversize	-0.18		-0.38	-0.38*
2 Oversize	-0.58			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	4724.4	Overall Length	5029.2
Contour Length	4572.0	Rubber Cutback #1**	254.0
Eccentricity	4.28	Rubber Cutback #2**	304.8
Major Diameter	77.19	Tube O.D.	120.7
Head Diameter	79.38	Tube I.D.	95.3
Weight (kg)	141	Weight (kg)	185
Material	17-4SS	Number of Stages	5.0
Thread Form**	2 7/8 Hughes External Flush		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	0.779 Nm/kPa	Max. Diff. Press. (kPa)	5171	7791	7791	8618
Flow Range	379 to 1041 Litre/min	Max. Torque (Nm)	4027	6047	6047	6711
RPG	0.170 rev/litre	Stall Diff. Press. (kPa)	7791	11652	11652	12962
Speed Range	64 to 177 RPM	Stall Torque (Nm)	6047	9057	9057	10074
Off Bottom Press.	510 kPa	Max. Recommended (kW)	68	102	102	113
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	159	234	234	262
		Temperature Slope (mm/°C)	0.0110	0.0082	0.0087	0.0087



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