



POWER SECTION

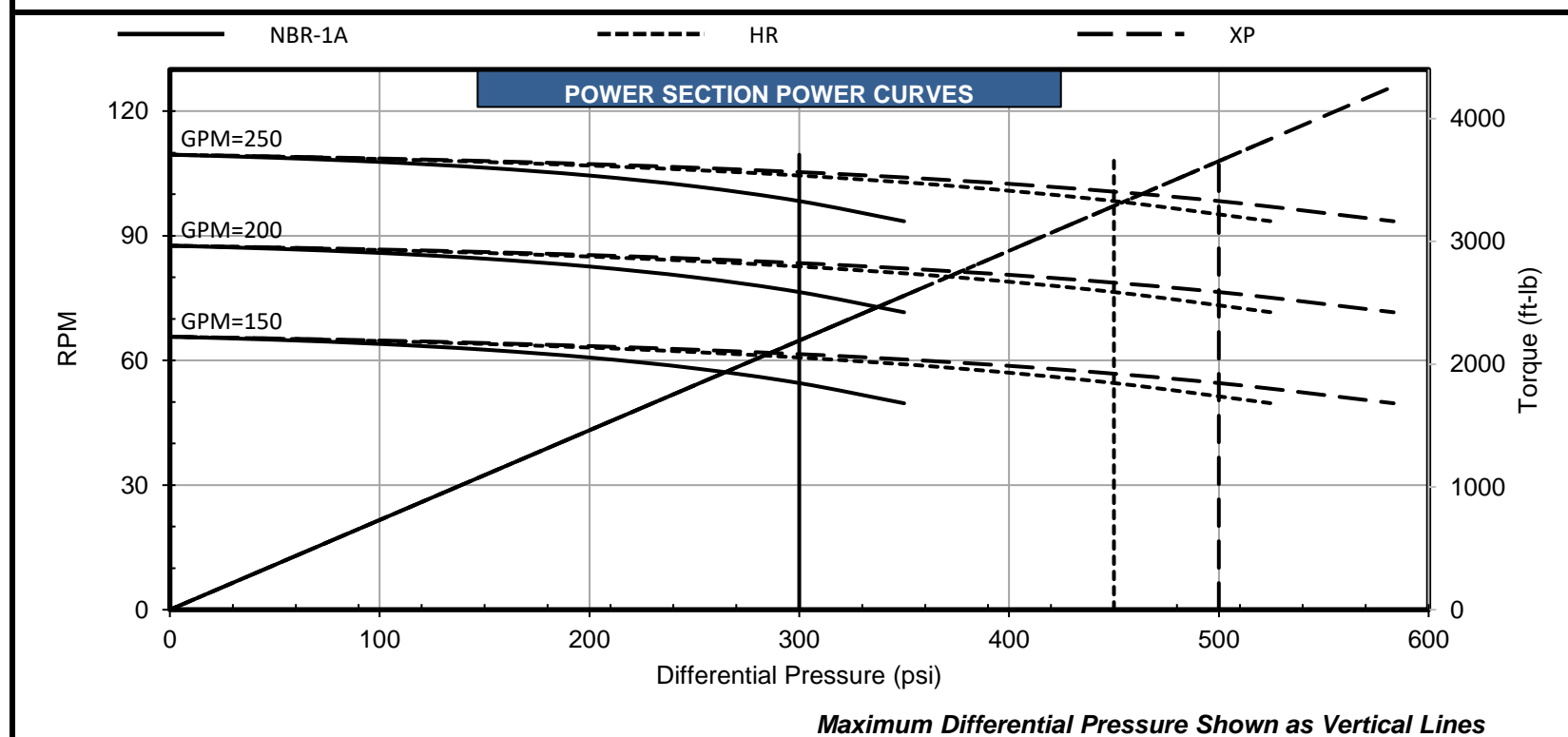
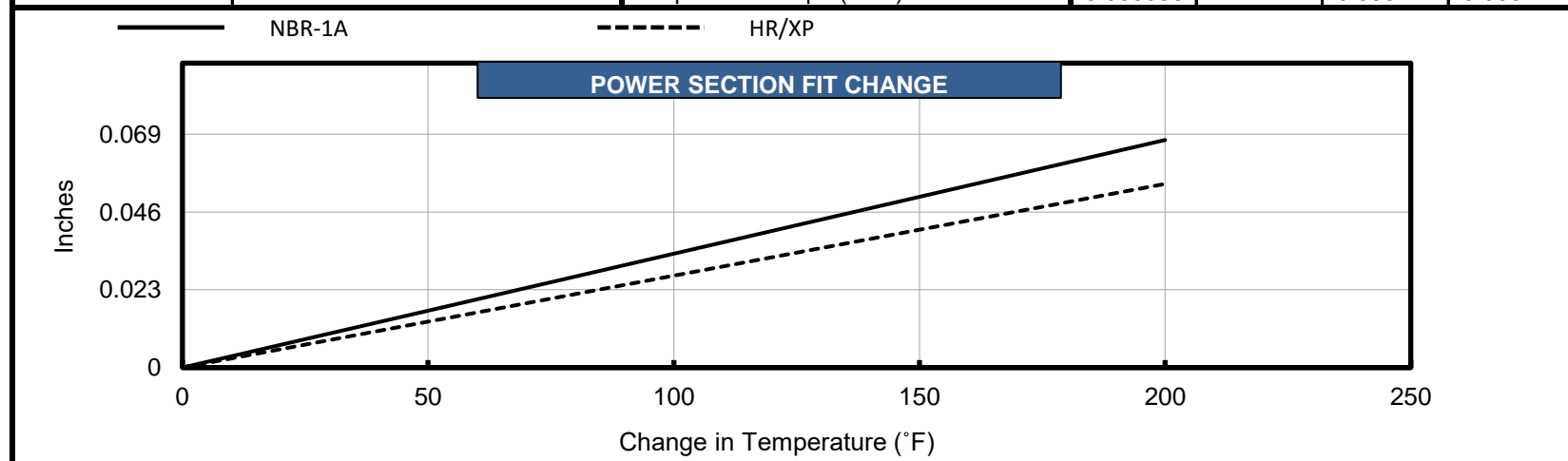
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			2.453	2.453*
1 Oversize	2.473			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.020	0.020*
1 Oversize	0.000			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	172.5	Overall Length	180.5
Contour Length	166.8	Rubber Cutback #1**	7.5
Eccentricity	0.163	Rubber Cutback #2**	7.5
Major Diameter	2.798	Tube O.D.	4.75
Head Diameter	2.990	Tube I.D.	3.75
Weight (lb)	200	Weight (lb)	380
Material	17-4SS	Number of Stages	2.0
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	7.308 ft-lb/psi	Max. Diff. Press. (psi)	300		450	500
Flow Range	150 to 250 GPM	Max. Torque (ft-lb)	2190		3290	3650
RPG	0.438 rev/gal	Stall Diff. Press. (psi)	450		680	750
Speed Range	66 to 110 RPM	Stall Torque (ft-lb)	3290		4930	5480
Off Bottom Press.	54 psi	Max. Recommended (HP)	41		62	68
		PSI Per Stage	150		225	250
		PSI Per Cavity	33		50	56
		Temperature Slope (in/°F)	0.000336		0.000271	0.000271



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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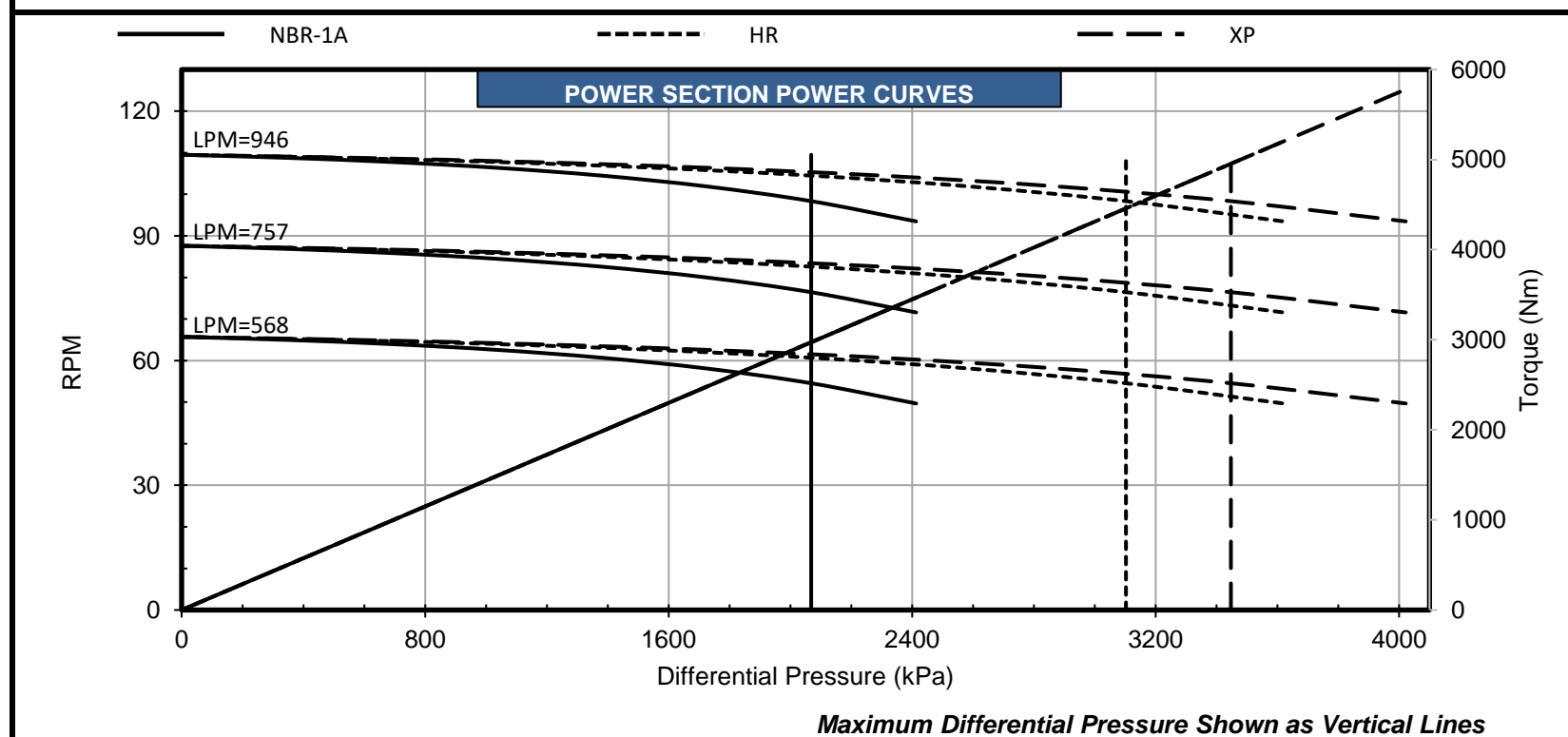
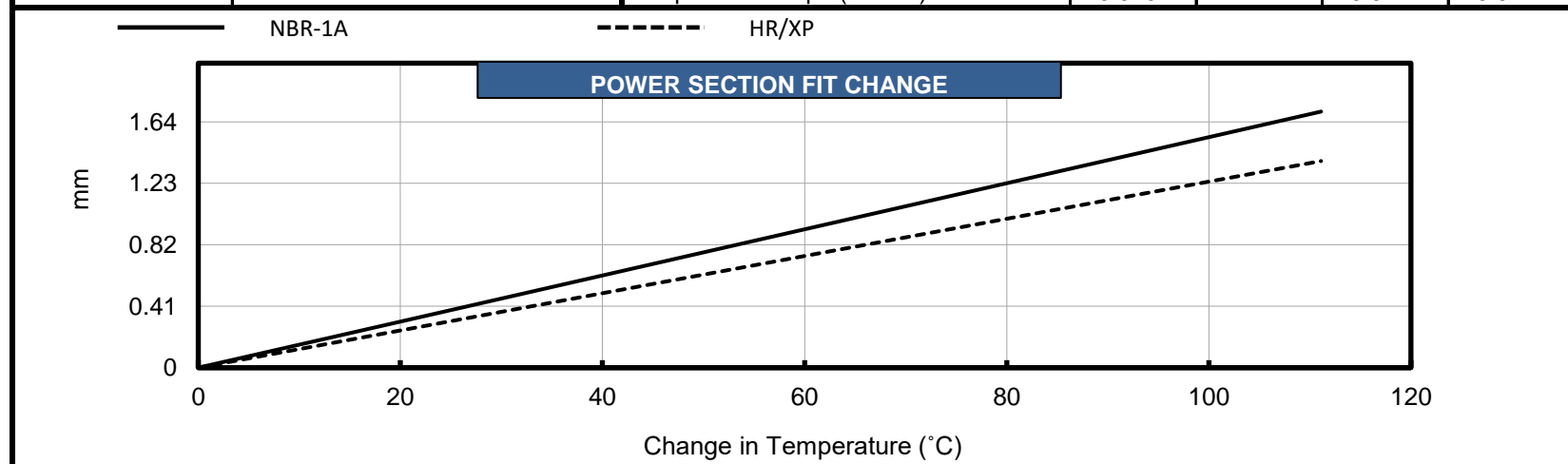
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			62.31	62.31*
1 Oversize	62.81			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.51	0.51*
1 Oversize	0.00			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	4381.5	Overall Length	4584.7
Contour Length	4236.7	Rubber Cutback #1**	190.5
Eccentricity	4.13	Rubber Cutback #2**	190.5
Major Diameter	71.07	Tube O.D.	120.7
Head Diameter	75.95	Tube I.D.	95.3
Weight (kg)	91	Weight (kg)	172
Material	17-4SS	Number of Stages	2.0
Thread Form**	2 3/8 Hughes External Flush Mod Flat		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.437 Nm/kPa	Max. Diff. Press. (kPa)	2068		3103	3447
Flow Range	568 to 946 Litre/min	Max. Torque (Nm)	2969		4461	4949
RPG	0.116 rev/litre	Stall Diff. Press. (kPa)	3103		4688	5171
Speed Range	66 to 110 RPM	Stall Torque (Nm)	4461		6684	7430
Off Bottom Press.	372 kPa	Max. Recommended (kW)	31		46	51
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	228		345	386
		Temperature Slope (mm/°C)	0.0154		0.0124	0.0124



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