



POWER SECTION

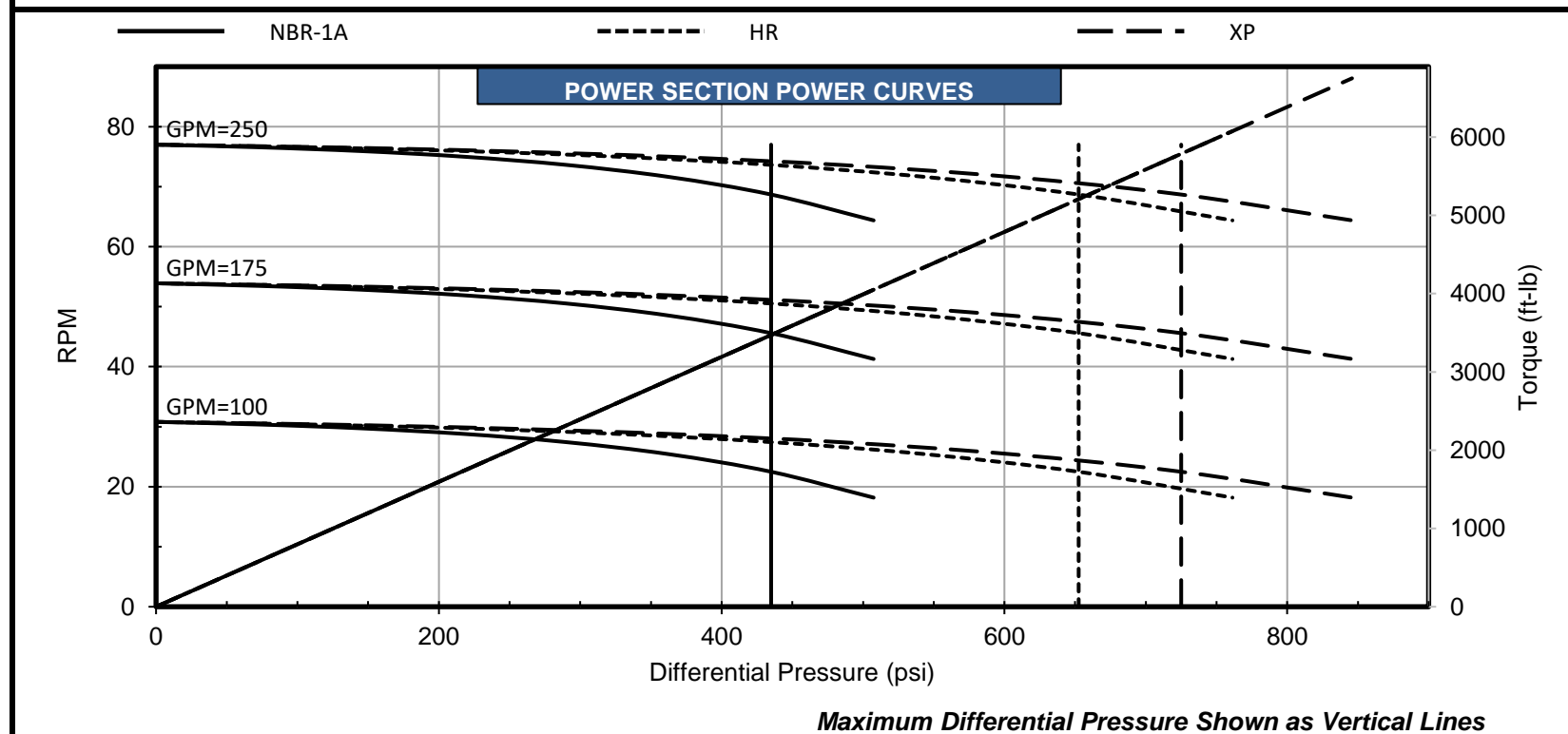
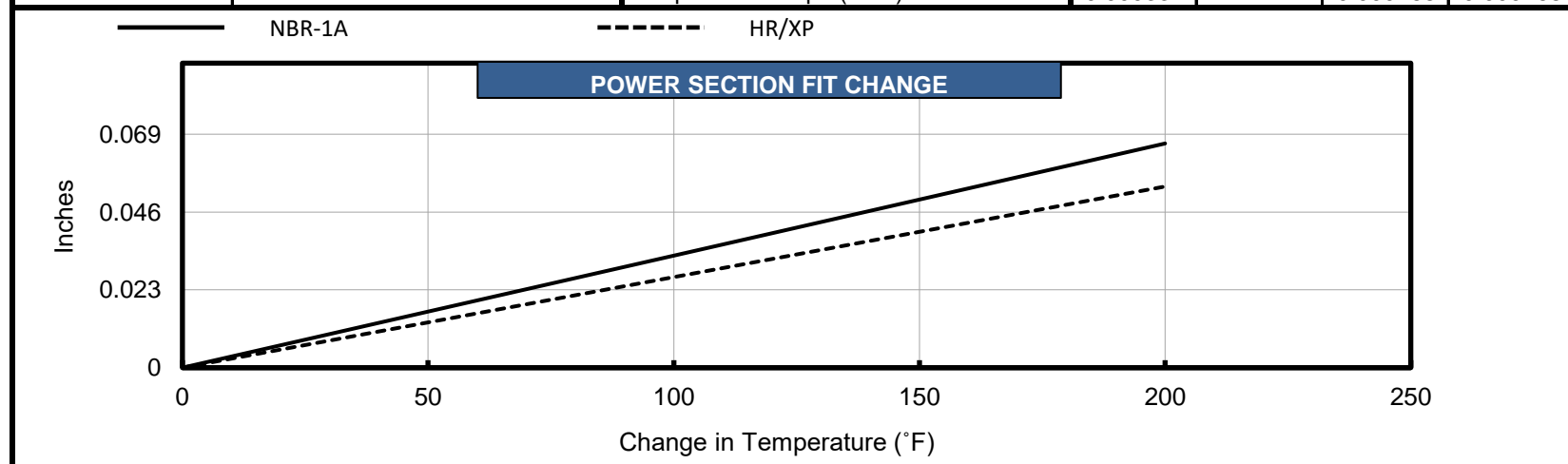
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			2.465	2.465*
1 Oversize	2.488			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.008	0.008*
1 Oversize	-0.015			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	242.0	Overall Length	250.0
Contour Length	236.3	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)	276	Weight (lb)	527
Material	17-4SS	Number of Stages	2.9
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	7.981 ft-lb/psi	Max. Diff. Press. (psi)	440		650	730
Flow Range	100 to 250 GPM	Max. Torque (ft-lb)	3470		5210	5790
RPG	0.308 rev/gal	Stall Diff. Press. (psi)	650		980	1090
Speed Range	31 to 77 RPM	Stall Torque (ft-lb)	5210		7810	8680
Off Bottom Press.	39 psi	Max. Recommended (HP)	45		68	76
		PSI Per Stage	150		225	250
		PSI Per Cavity	27		40	45
		Temperature Slope (in/°F)	0.000331		0.000268	0.000268



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.



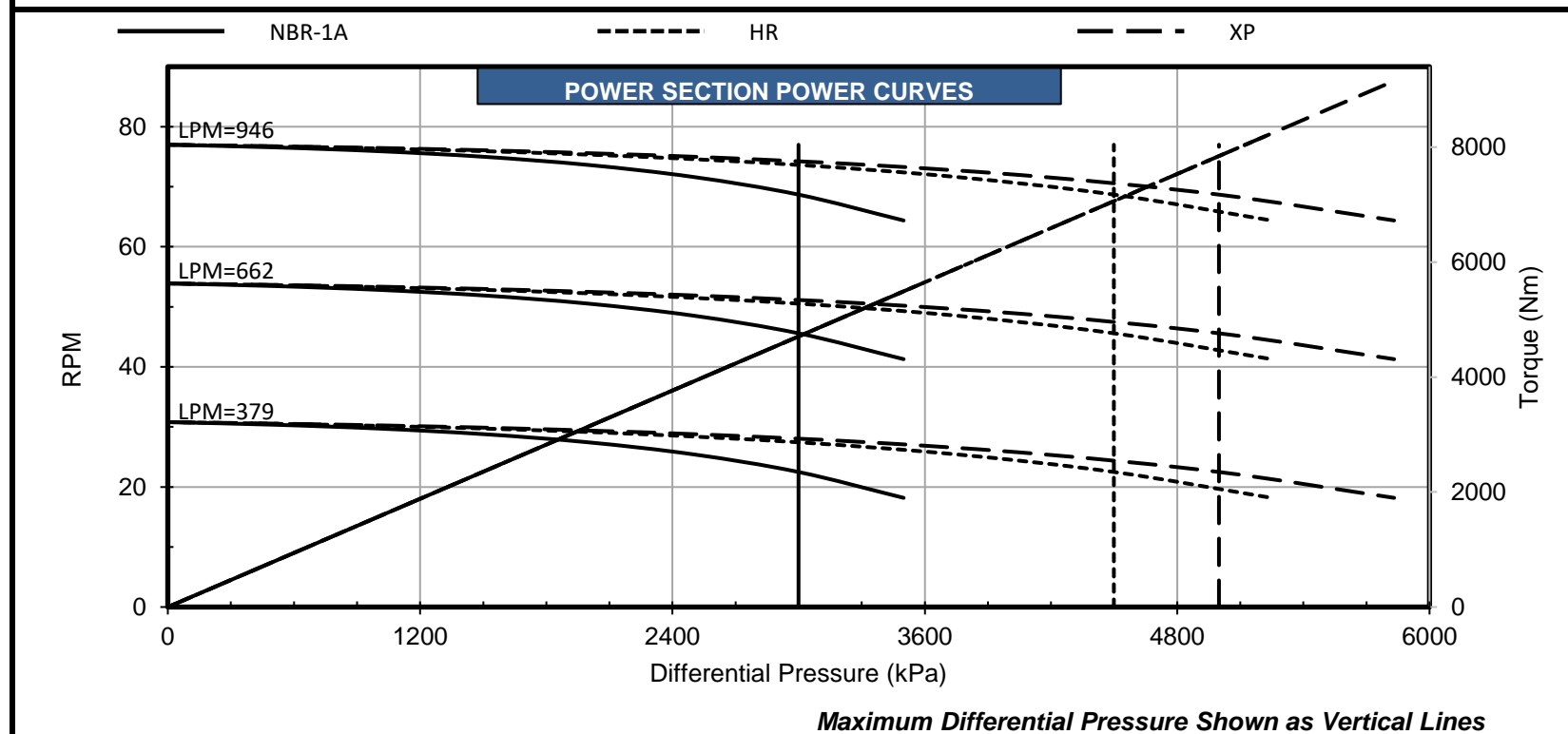
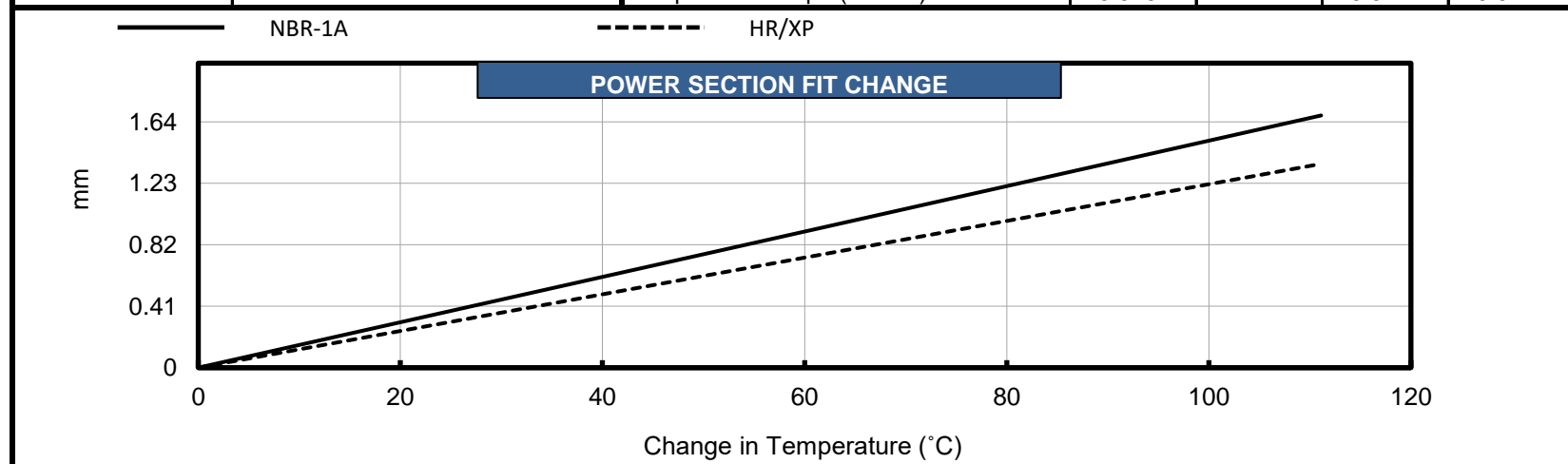
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)	(mm)	(mm)	(mm)
		XR	HR	XP				
1 Undersize					Overall Length	6146.8	Overall Length	6350.0
Standard			62.61	62.61*	Contour Length	6002.0	Rubber Cutback #1**	190.5
1 Oversize	63.20				Eccentricity	4.13	Rubber Cutback #2**	190.5
2 Oversize					Major Diameter	71.07	Tube O.D.	120.7
Nominal Fit at 75°F					Head Diameter	75.95	Tube I.D.	95.3
1 Undersize					Weight (kg)	125	Weight (kg)	239
Standard			0.20	0.20*	Material	17-4SS	Number of Stages	2.9
1 Oversize	-0.38				Thread Form**	2 3/8 Hughes External Flush Mod Flat		
2 Oversize								

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.569 Nm/kPa	Max. Diff. Press. (kPa)	3034		4482	5033
Flow Range	379 to 946 Litre/min	Max. Torque (Nm)	4705		7064	7850
RPG	0.081 rev/litre	Stall Diff. Press. (kPa)	4482		6757	7515
Speed Range	31 to 77 RPM	Stall Torque (Nm)	7064		10589	11769
Off Bottom Press.	269 kPa	Max. Recommended (kW)	34		51	56
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	186		276	310
		Temperature Slope (mm/°C)	0.0151		0.0122	0.0122



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