

POWER SECTION

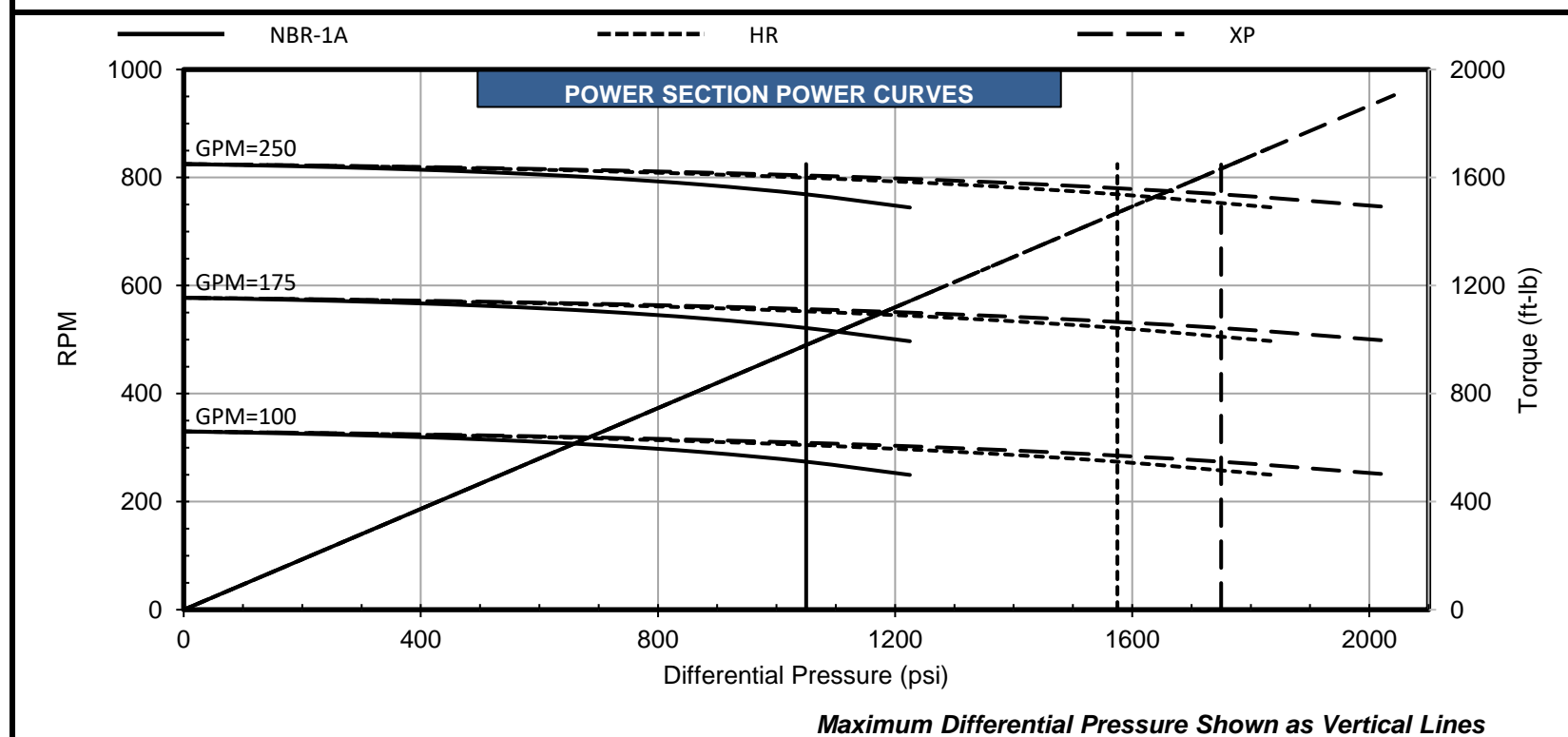
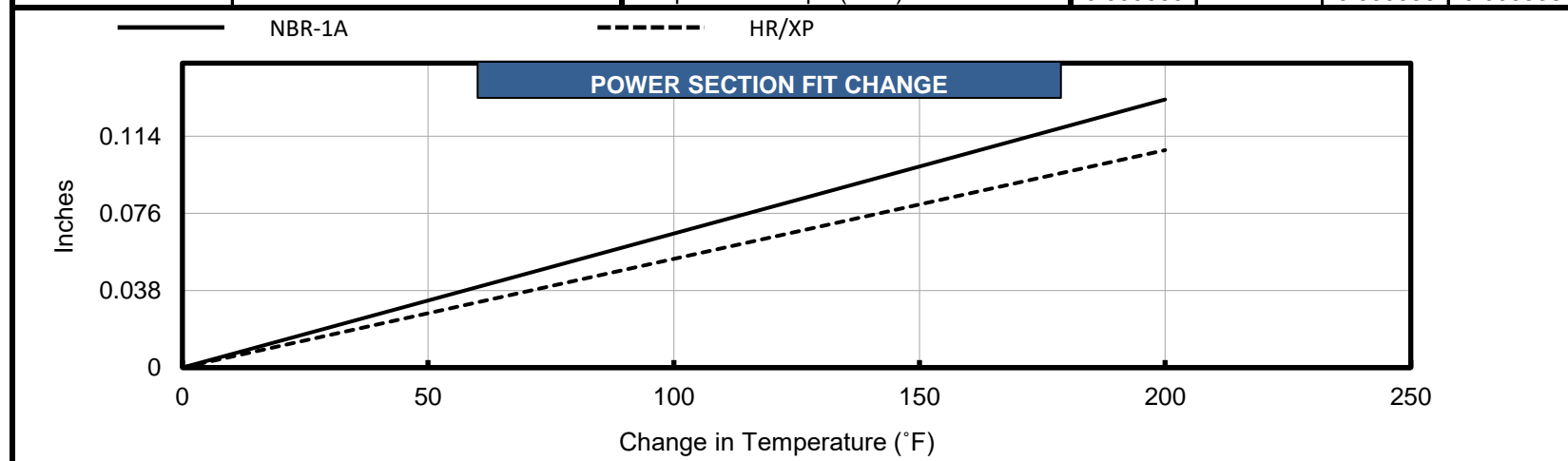
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	1.655		1.660	1.660*
1 Oversize	1.695			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.033		0.028	0.028*
1 Oversize	-0.007			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	182.0	Overall Length	190.0
Contour Length	176.0	Rubber Cutback #1**	7.5
Eccentricity	0.422	Rubber Cutback #2**	7.5
Major Diameter	2.532	Tube O.D.	4.75
Head Diameter	2.500	Tube I.D.	3.88
Weight (lb)	180	Weight (lb)	368
Material	17-4SS	Number of Stages	7.0
Thread Form**	1.875 - 8 STUB ACME		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	0.933 ft-lb/psi	1050		1580	1750
Flow Range	100 to 250 GPM	980		1470	1630
RPG	3.300 rev/gal	1580		2360	2630
Speed Range	330 to 825 RPM	1470		2200	2450
Off Bottom Press.	198 psi	143		215	239
		150		225	250
		81		121	135
	Temperature Slope (in/°F)	0.000660		0.000536	0.000536



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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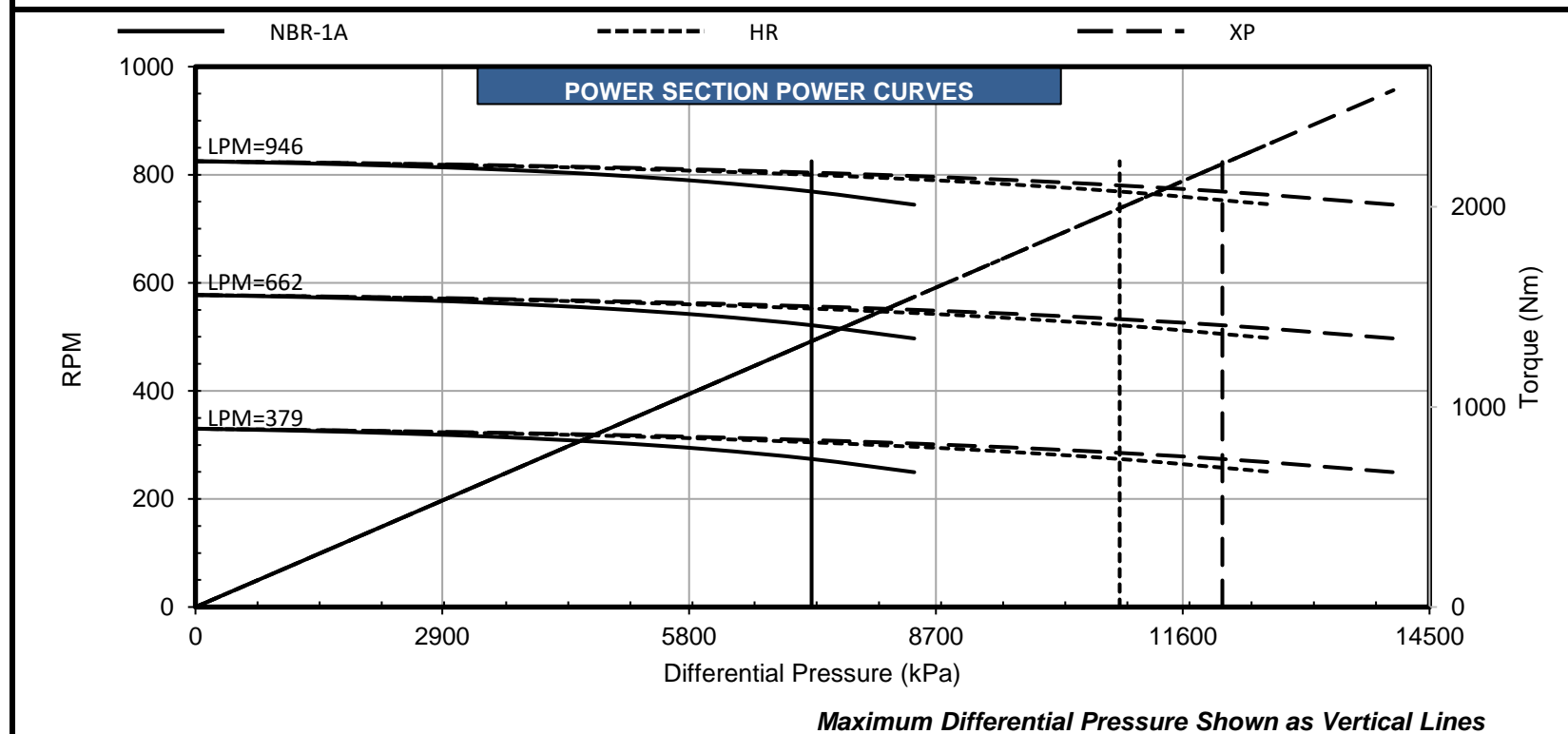
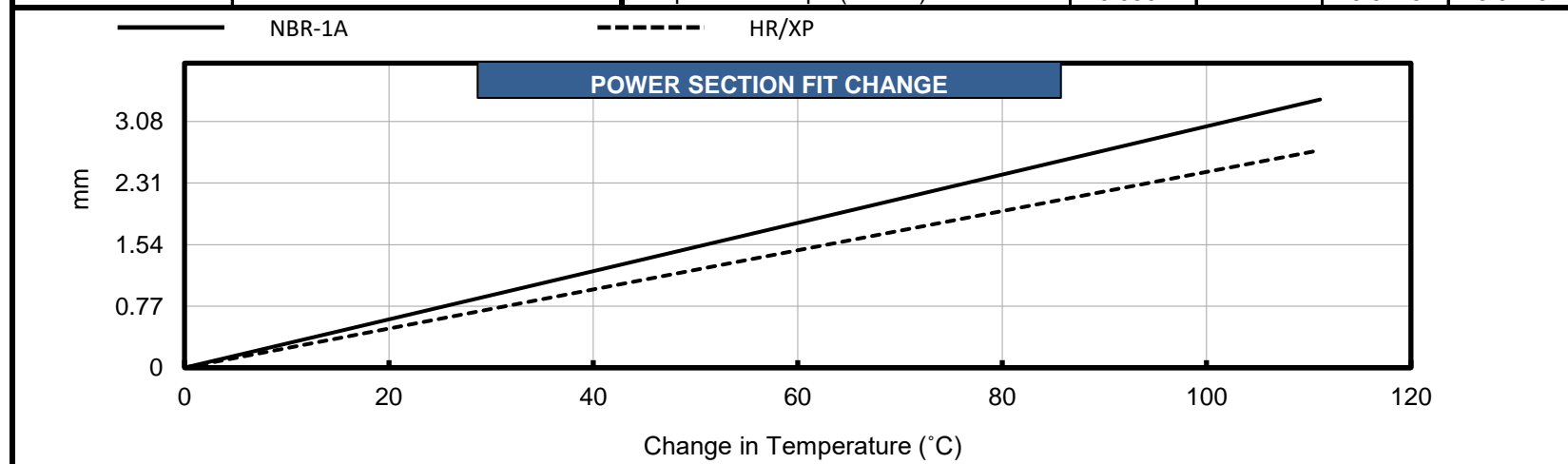
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	42.04		42.16	42.16*
1 Oversize	43.05			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.84		0.71	0.71*
1 Oversize	-0.18			
2 Oversize				

*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	4622.8	Overall Length	4826.0
Contour Length	4470.4	Rubber Cutback #1**	190.5
Eccentricity	10.72	Rubber Cutback #2**	190.5
Major Diameter	64.31	Tube O.D.	120.7
Head Diameter	63.50	Tube I.D.	98.6
Weight (kg)	82	Weight (kg)	167
Material	17-4SS	Number of Stages	7.0
Thread Form**	1.875 - 8 STUB ACME		

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	0.183 Nm/kPa	Max. Diff. Press. (kPa)	7239		10894	12066
Flow Range	379 to 946 Litre/min	Max. Torque (Nm)	1329		1993	2210
RPG	0.872 rev/litre	Stall Diff. Press. (kPa)	10894		16272	18133
Speed Range	330 to 825 RPM	Stall Torque (Nm)	1993		2983	3322
Off Bottom Press.	1365 kPa	Max. Recommended (kW)	107		161	178
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	558		834	931
		Temperature Slope (mm/°C)	0.0302		0.0245	0.0245



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