



POWER SECTION

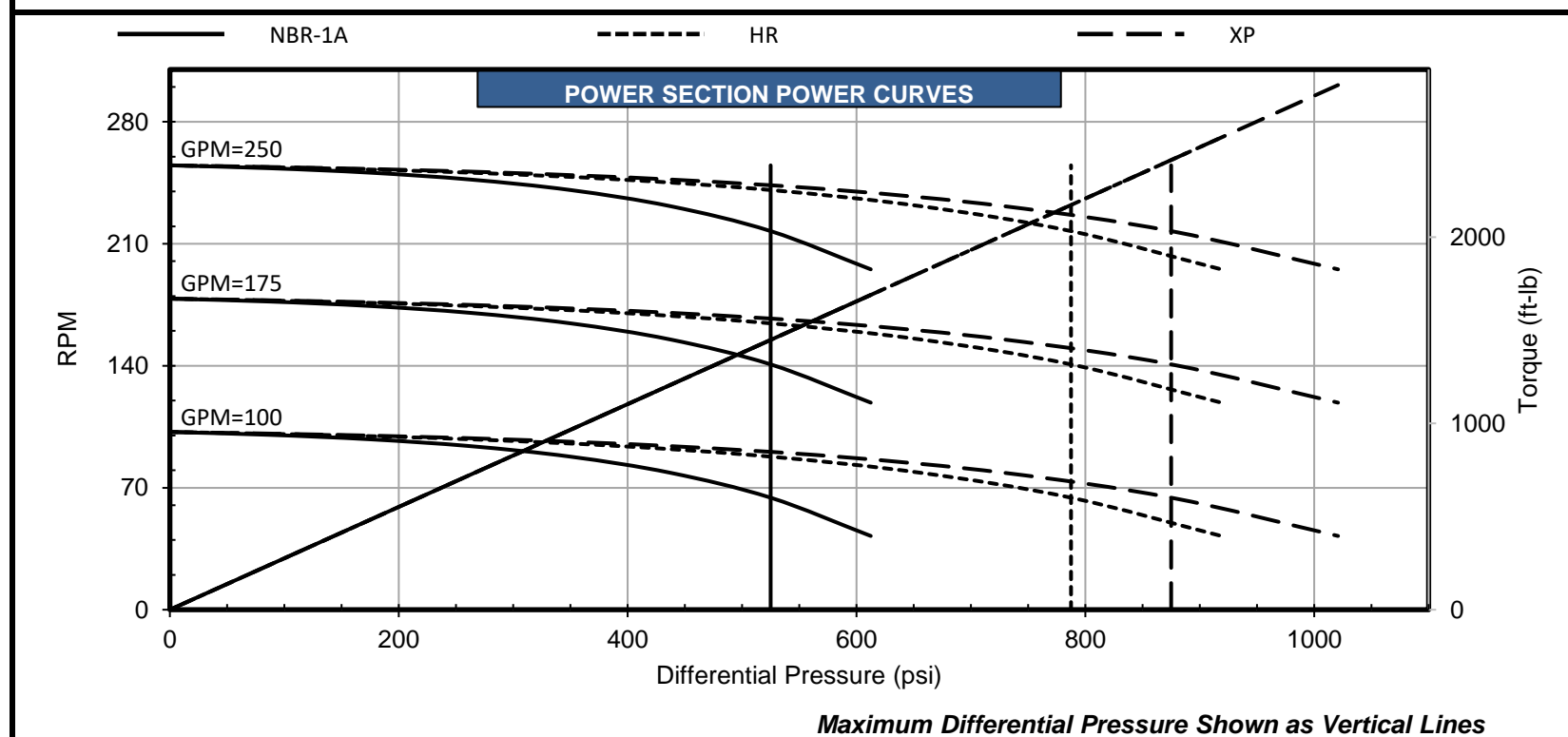
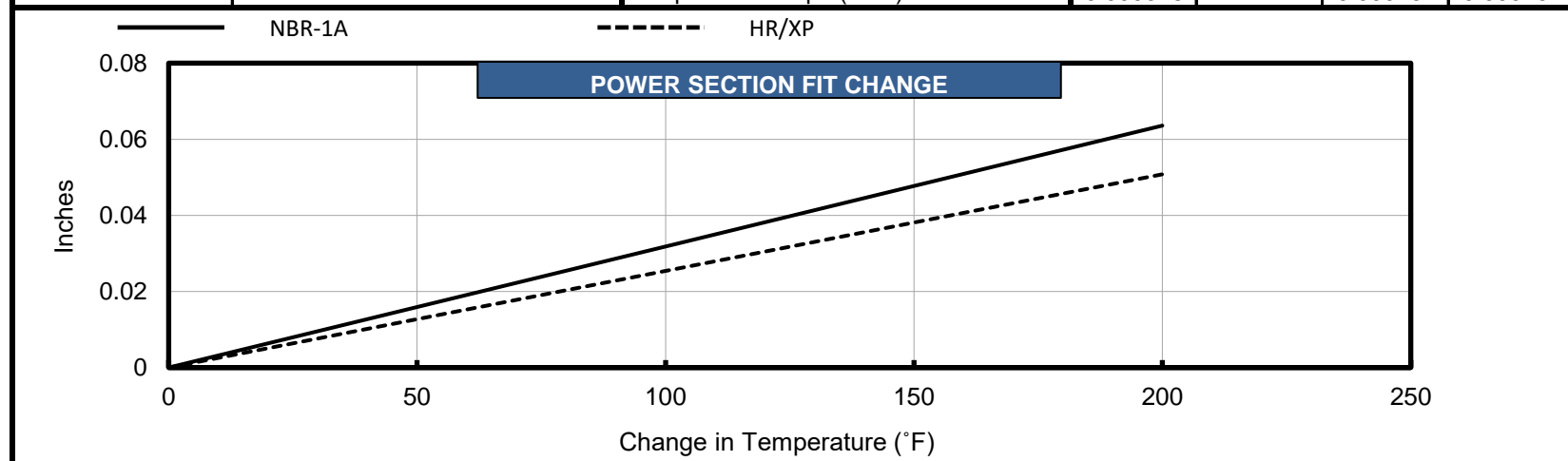
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize	2.402		2.400	2.400*
Standard	2.415			
1 Oversize	2.432			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize	0.018		0.020	0.020*
Standard	0.005			
1 Oversize	-0.012			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	107.0	Overall Length	115.8
Contour Length	101.0	Rubber Cutback #1**	8.0
Eccentricity	0.246	Rubber Cutback #2**	8.0
Major Diameter	2.912	Tube O.D.	4.75
Head Diameter	2.750	Tube I.D.	3.75
Weight (lb)	142	Weight (lb)	236
Material	17-4SS	Number of Stages	3.5
Thread Form**	2 3/8 Hughes External Flush Mod Flat		

*Pending production measurements

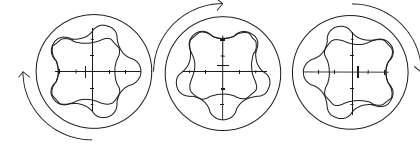
** Alternate or custom thread forms and cutbacks are available upon request

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	2.759 ft-lb/psi	Max. Diff. Press. (psi)	530		790	880
Flow Range	100 to 250 GPM	Max. Torque (ft-lb)	1450		2170	2410
RPG	1.020 rev/gal	Stall Diff. Press. (psi)	790		1180	1310
Speed Range	102 to 255 RPM	Stall Torque (ft-lb)	2170		3260	3620
Off Bottom Press.	80 psi	Max. Recommended (HP)	60		90	100
		PSI Per Stage	150		225	250
		PSI Per Cavity	39		58	65
		Temperature Slope (in/°F)	0.000318		0.000254	0.000254



Maximum Differential Pressure Shown as Vertical Lines

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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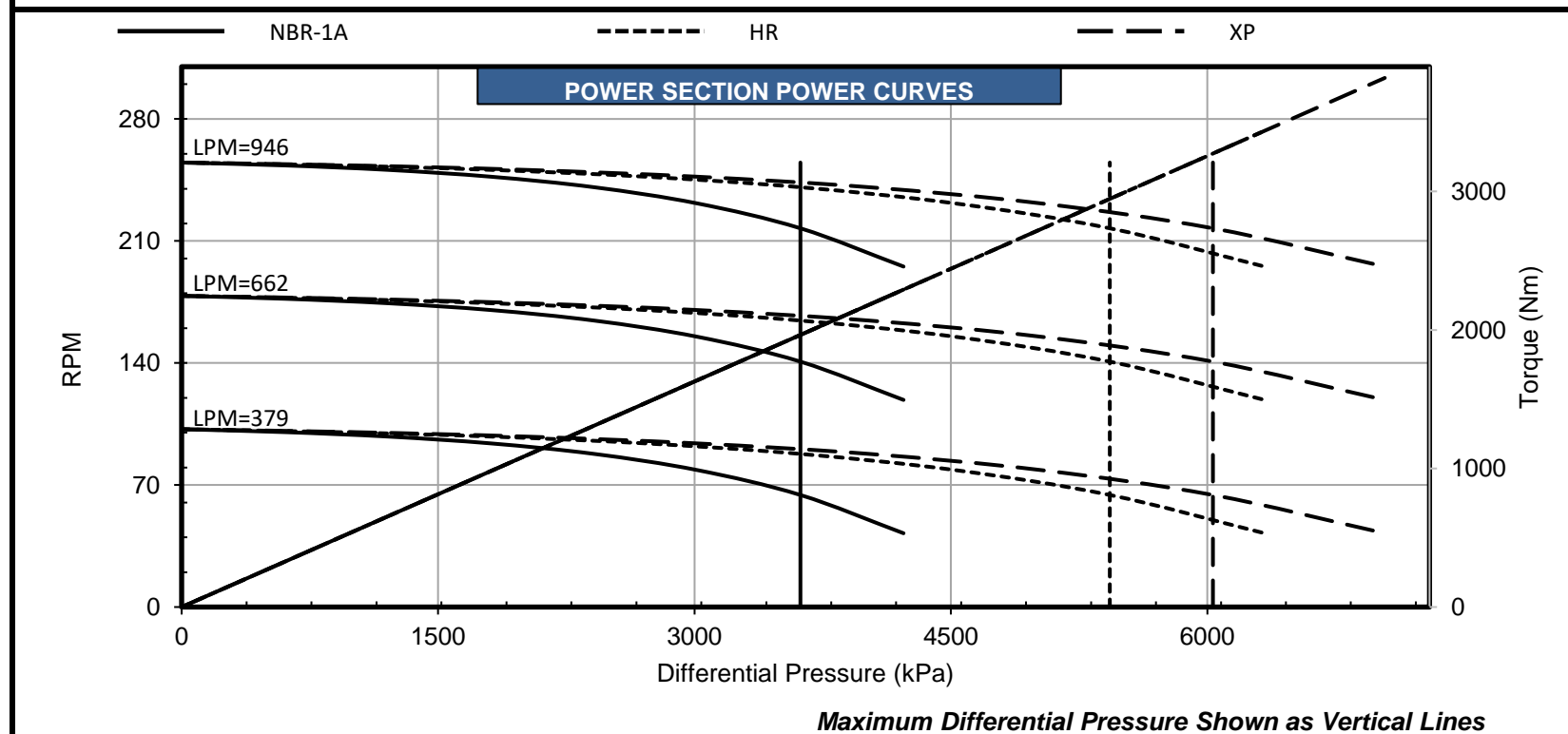
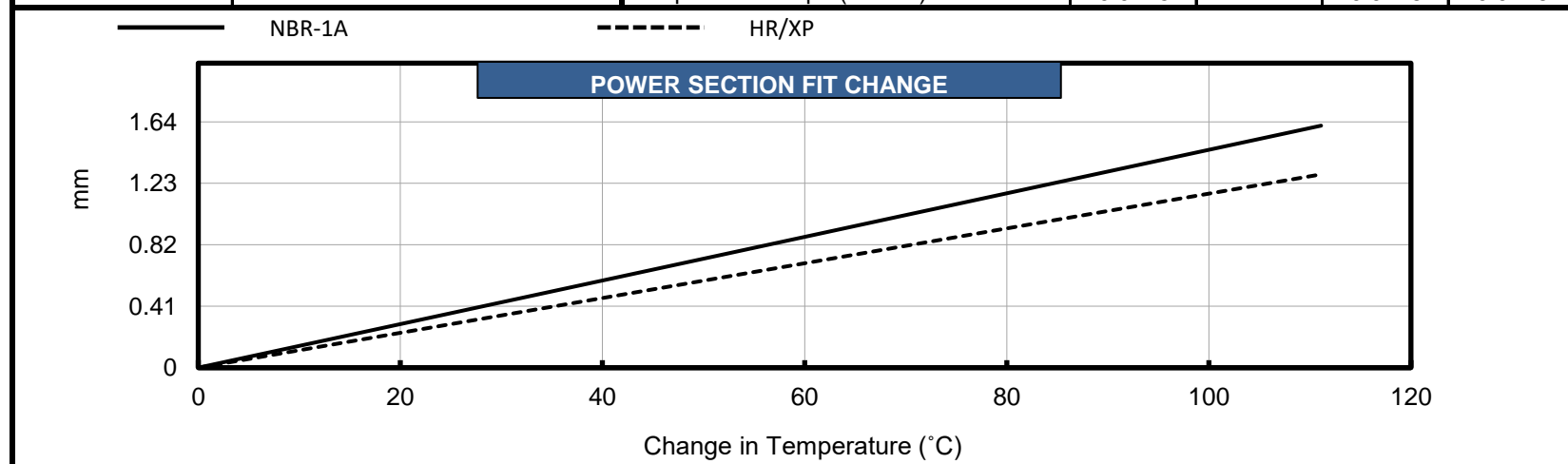
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize	61.01		60.96	60.96*
Standard	61.34			
1 Oversize	61.77			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize	0.46		0.51	0.51*
Standard	0.13			
1 Oversize	-0.30			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	2717.8	Overall Length	2941.3
Contour Length	2565.4	Rubber Cutback #1**	203.2
Eccentricity	6.25	Rubber Cutback #2**	203.2
Major Diameter	73.96	Tube O.D.	120.7
Head Diameter	69.85	Tube I.D.	95.3
Weight (kg)	64	Weight (kg)	107
Material	17-4SS	Number of Stages	3.5
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	0.543 Nm/kPa	Max. Diff. Press. (kPa)	3654		5447	6067
Flow Range	379 to 946 Litre/min	Max. Torque (Nm)	1966		2942	3268
RPG	0.269 rev/litre	Stall Diff. Press. (kPa)	5447		8136	9032
Speed Range	102 to 255 RPM	Stall Torque (Nm)	2942		4420	4908
Off Bottom Press.	552 kPa	Max. Recommended (kW)	45		67	75
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	269		400	448
		Temperature Slope (mm/°C)	0.0145		0.0116	0.0116



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