

POWER SECTION

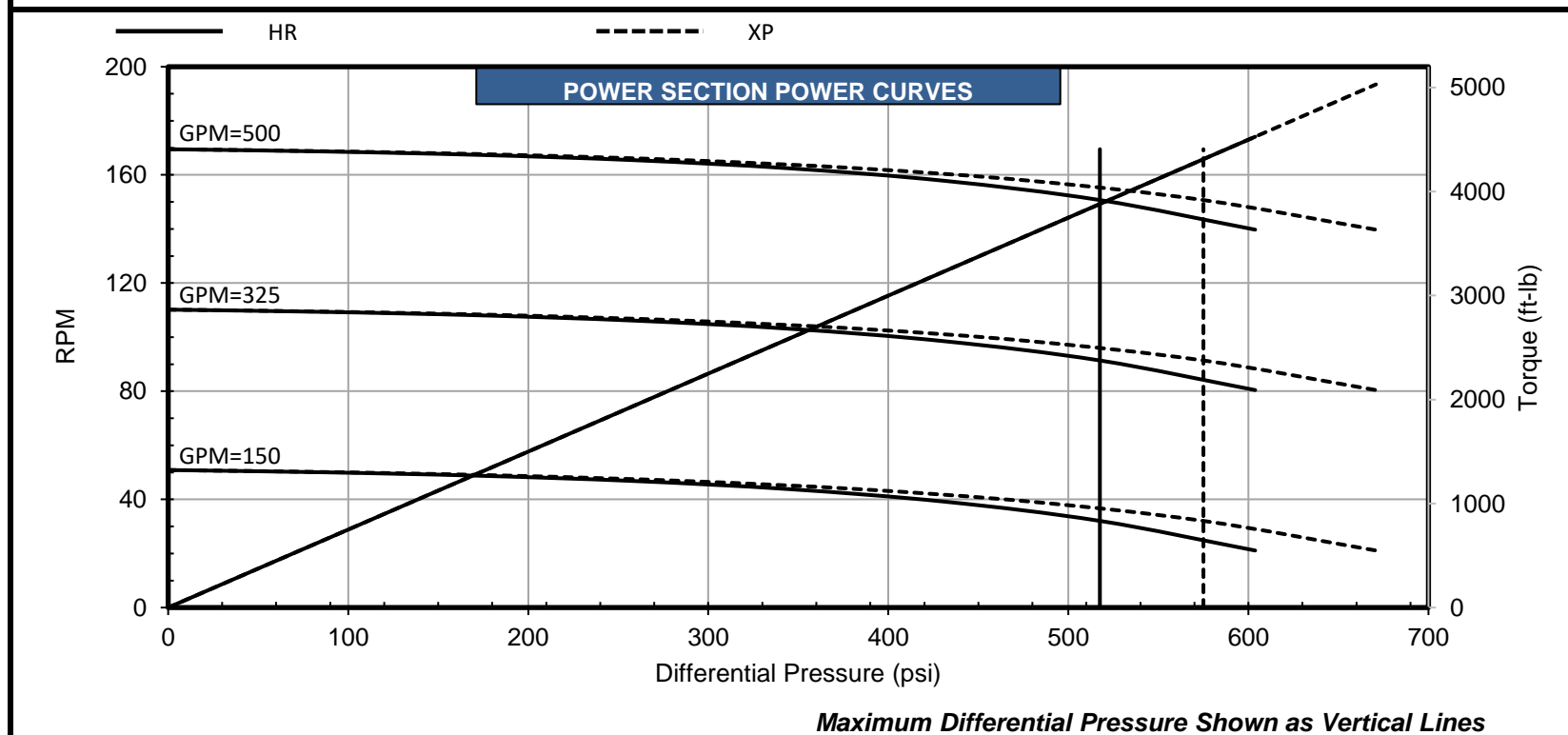
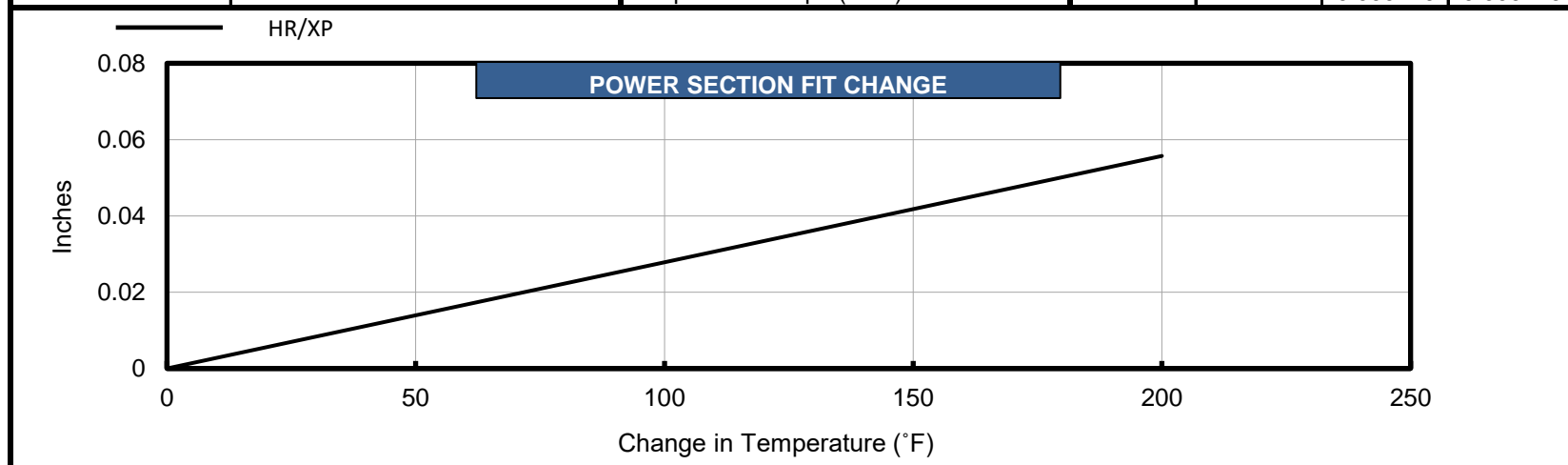
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			3.520	3.520*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.008	0.008*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	96.0	Overall Length	113.0
Contour Length	90.0	Rubber Cutback #1**	12.0
Eccentricity	0.226	Rubber Cutback #2**	7.5
Major Diameter	3.980	Tube O.D.	6.50
Head Diameter	4.000	Tube I.D.	5.00
Weight (lb)	258	Weight (lb)	465
Material	17-4SS	Number of Stages	2.3
Thread Form**	2 3/8 HEF		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	7.498 ft-lb/psi	Max. Diff. Press. (psi)			520	580
Flow Range	150 to 500 GPM	Max. Torque (ft-lb)			3880	4310
RPG	0.339 rev/gal	Stall Diff. Press. (psi)			780	860
Speed Range	51 to 170 RPM	Stall Torque (ft-lb)			5820	6470
Off Bottom Press.	72 psi	Max. Recommended (HP)			111	124
		PSI Per Stage			225	250
		PSI Per Cavity			45	50
		Temperature Slope (in/°F)			0.000279	0.000279



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

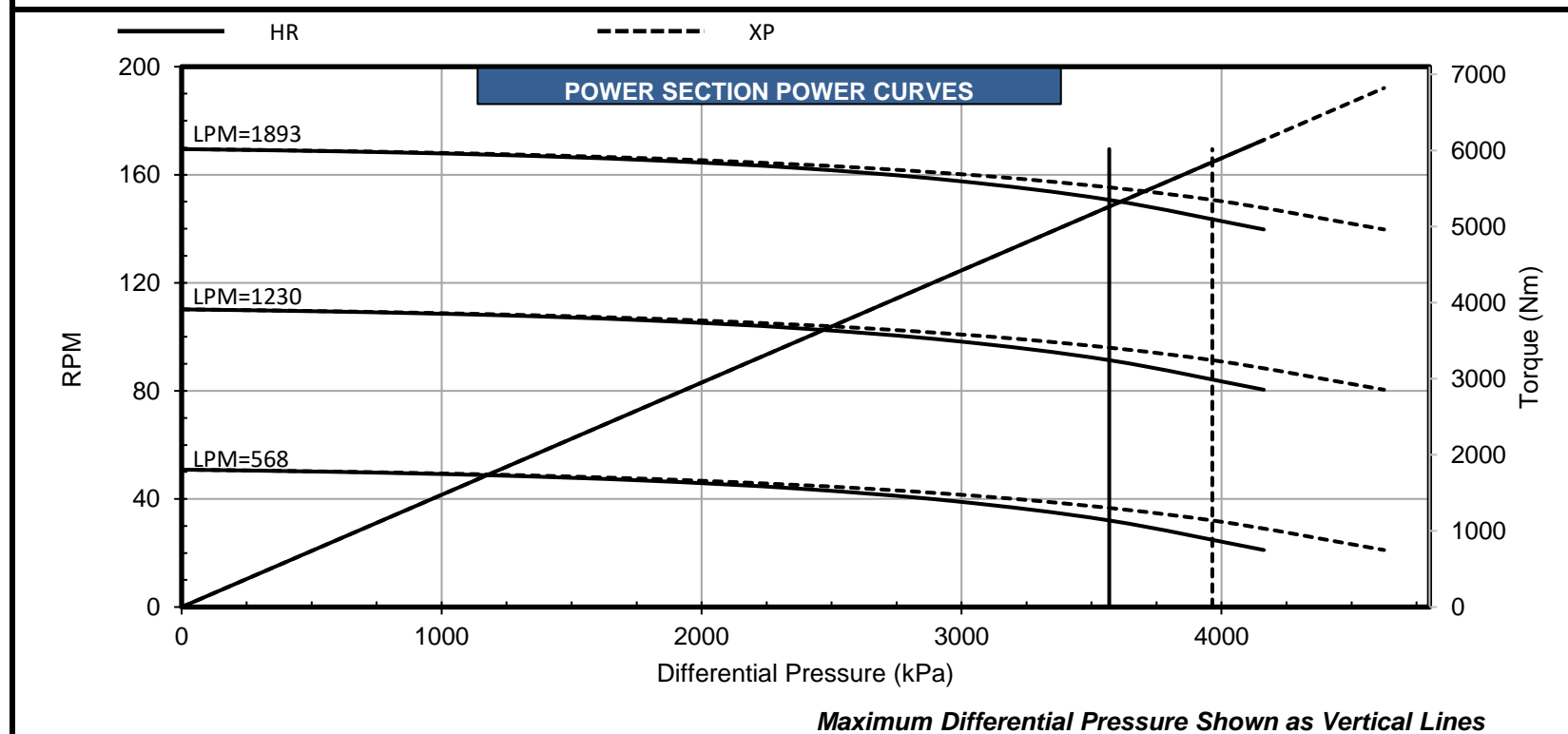
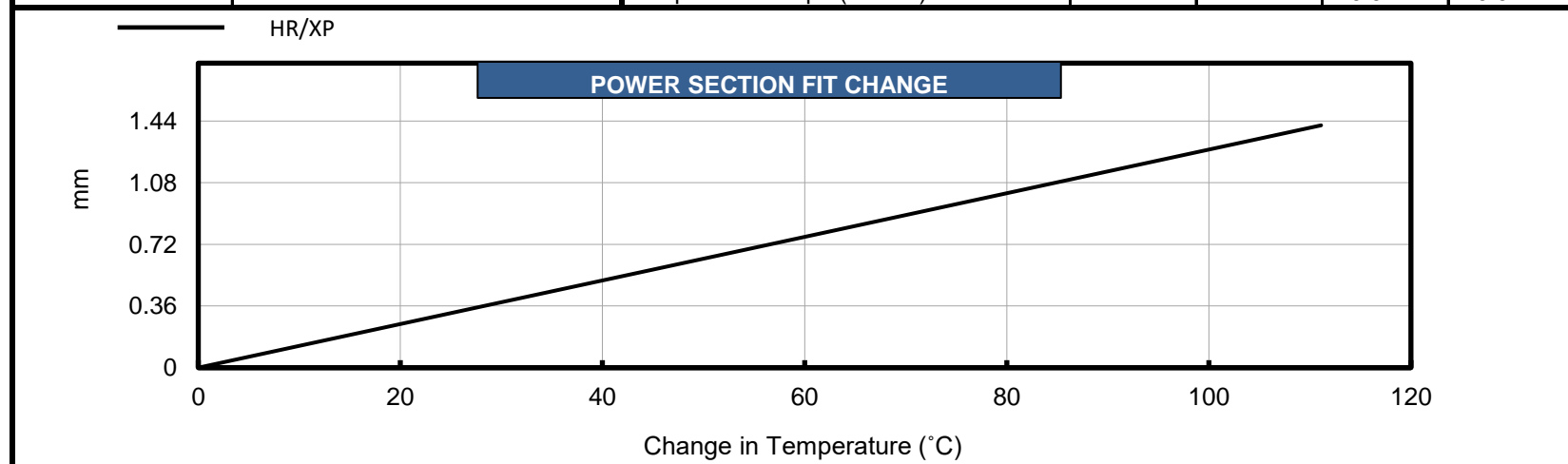
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			89.41	89.41*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.20	0.20*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	2438.4	Overall Length	2870.2
Contour Length	2286.0	Rubber Cutback #1**	304.8
Eccentricity	5.74	Rubber Cutback #2**	190.5
Major Diameter	101.09	Tube O.D.	165.1
Head Diameter	101.60	Tube I.D.	127.0
Weight (kg)	117	Weight (kg)	211
Material	17-4SS	Number of Stages	2.3
Thread Form**	2 3/8 HEF		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.474 Nm/kPa	Max. Diff. Press. (kPa)			3585	3999
Flow Range	568 to 1893 Litre/min	Max. Torque (Nm)			5261	5844
RPG	0.090 rev/litre	Stall Diff. Press. (kPa)			5378	5929
Speed Range	51 to 170 RPM	Stall Torque (Nm)			7891	8772
Off Bottom Press.	496 kPa	Max. Recommended (kW)			83	92
		kPa Per Stage			1551	1724
		kPa Per Cavity			310	345
		Temperature Slope (mm/°C)			0.0127	0.0127



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.