



## POWER SECTION

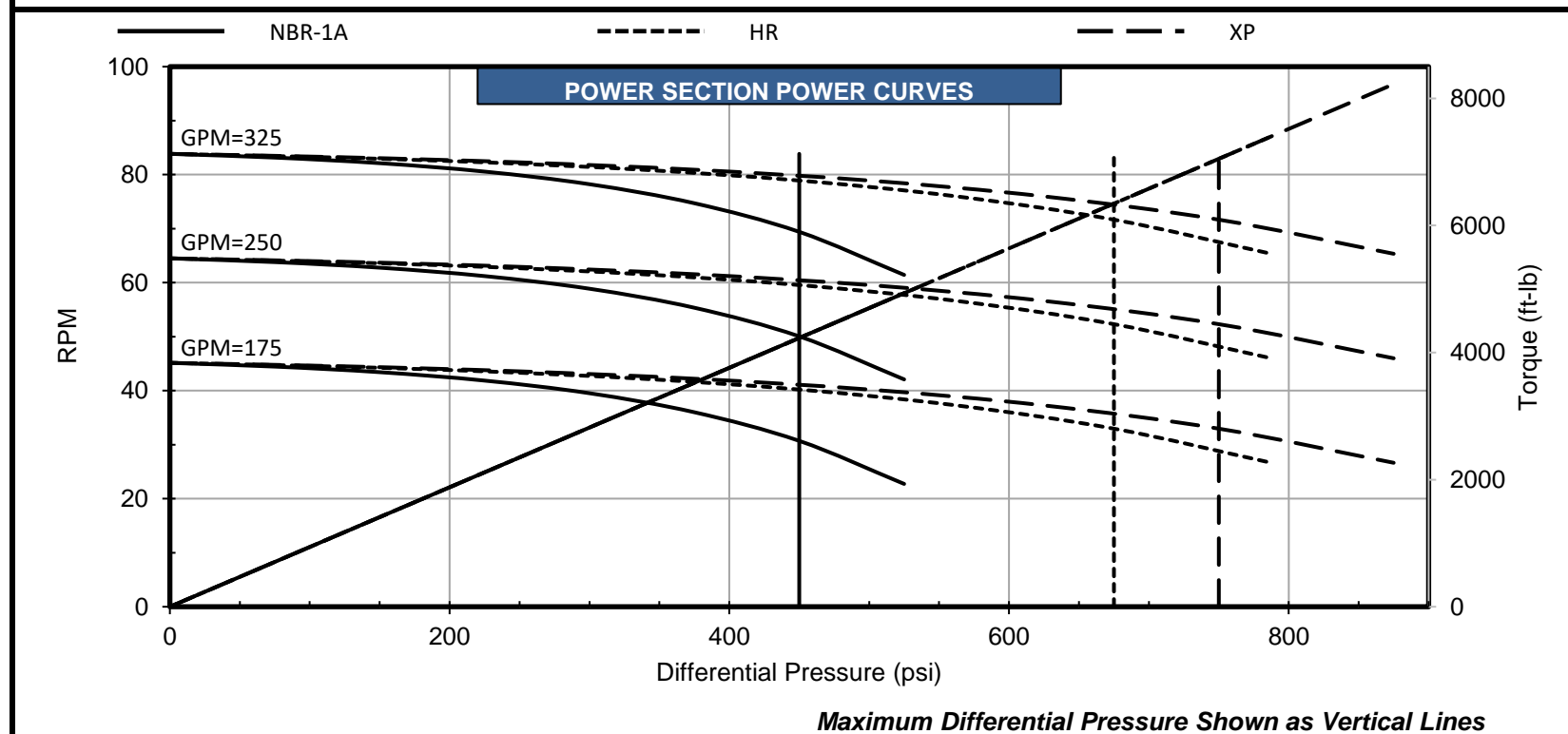
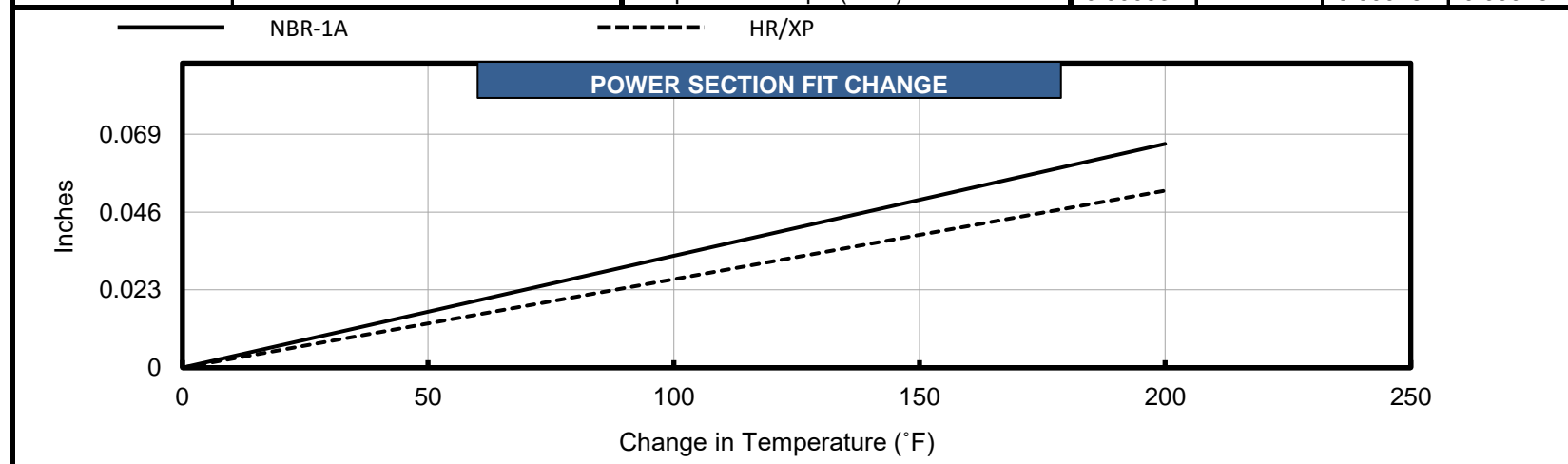
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	2.887		2.887	2.887*
1 Oversize	2.909			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.012		0.012	0.012*
1 Oversize	-0.010			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	233.5	Overall Length	250.0
Contour Length	227.8	Rubber Cutback #1**	8.0
Eccentricity	0.180	Rubber Cutback #2**	15.5
Major Diameter	3.258	Tube O.D.	5.00
Head Diameter	3.450	Tube I.D.	4.00
Weight (lb)	387	Weight (lb)	472
Material	17-4SS	Number of Stages	3.0
Thread Form**	2 7/8 PAC		

\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	9.400 ft-lb/psi	Max. Diff. Press. (psi)	450		680	750
Flow Range	175 to 325 GPM	Max. Torque (ft-lb)	4230		6350	7050
RPG	0.258 rev/gal	Stall Diff. Press. (psi)	680		1010	1130
Speed Range	45 to 84 RPM	Stall Torque (ft-lb)	6350		9520	10580
Off Bottom Press.	100 psi	Max. Recommended (HP)	56		87	96
		PSI Per Stage	150		225	250
		PSI Per Cavity	26		40	44
		Temperature Slope (in/°F)	0.000331		0.000262	0.000262



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

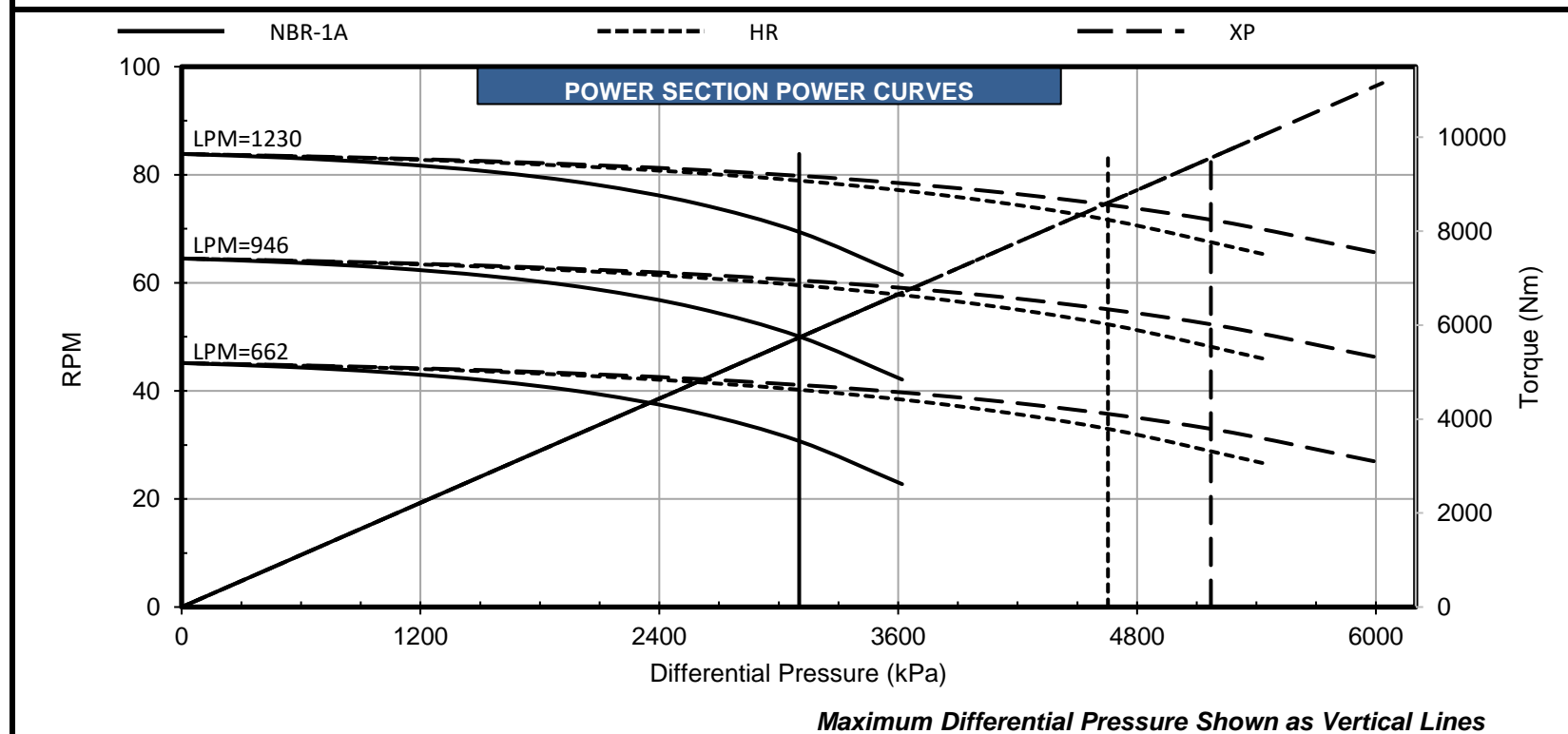
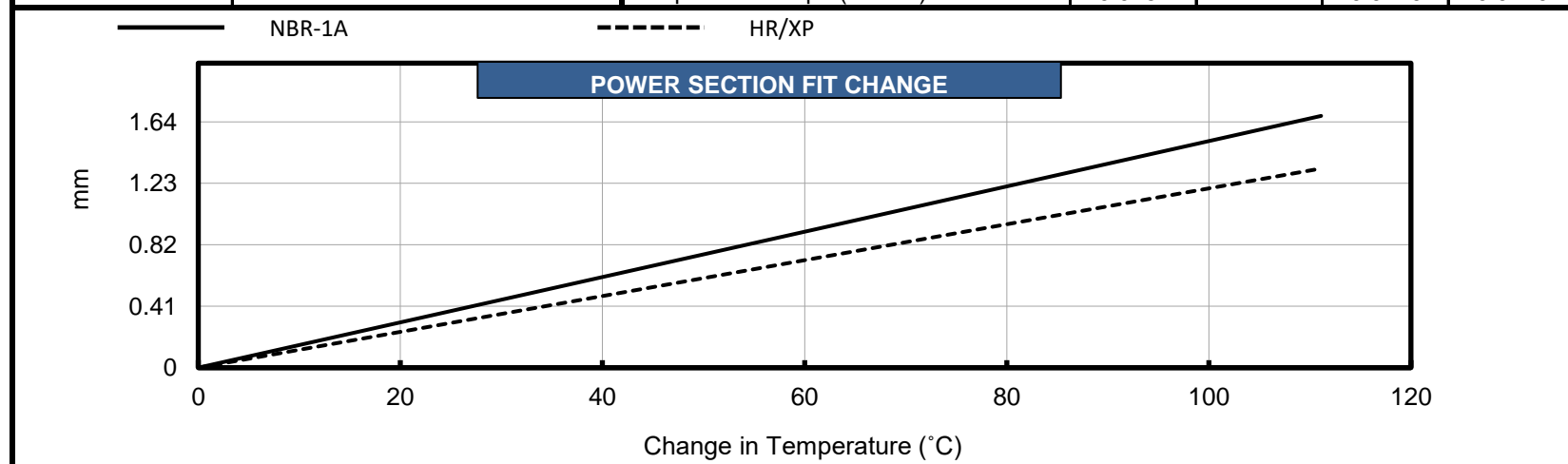
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	73.33		73.33	73.33*
1 Oversize	73.89			
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.30		0.30	0.30*
1 Oversize	-0.25			
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5930.9	Overall Length	6350.0
Contour Length	5786.1	Rubber Cutback #1**	203.2
Eccentricity	4.56	Rubber Cutback #2**	393.7
Major Diameter	82.75	Tube O.D.	127.0
Head Diameter	87.63	Tube I.D.	101.6
Weight (kg)	176	Weight (kg)	214
Material	17-4SS	Number of Stages	3.0
Thread Form**	2 7/8 PAC		

\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.848 Nm/kPa	Max. Diff. Press. (kPa)	3103		4688	5171
Flow Range	662 to 1230 Litre/min	Max. Torque (Nm)	5735		8609	9559
RPG	0.068 rev/litre	Stall Diff. Press. (kPa)	4688		6964	7791
Speed Range	45 to 84 RPM	Stall Torque (Nm)	8609		12907	14345
Off Bottom Press.	689 kPa	Max. Recommended (kW)	42		65	72
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	179		276	303
		Temperature Slope (mm/°C)	0.0151		0.0120	0.0120



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.