



POWER SECTION

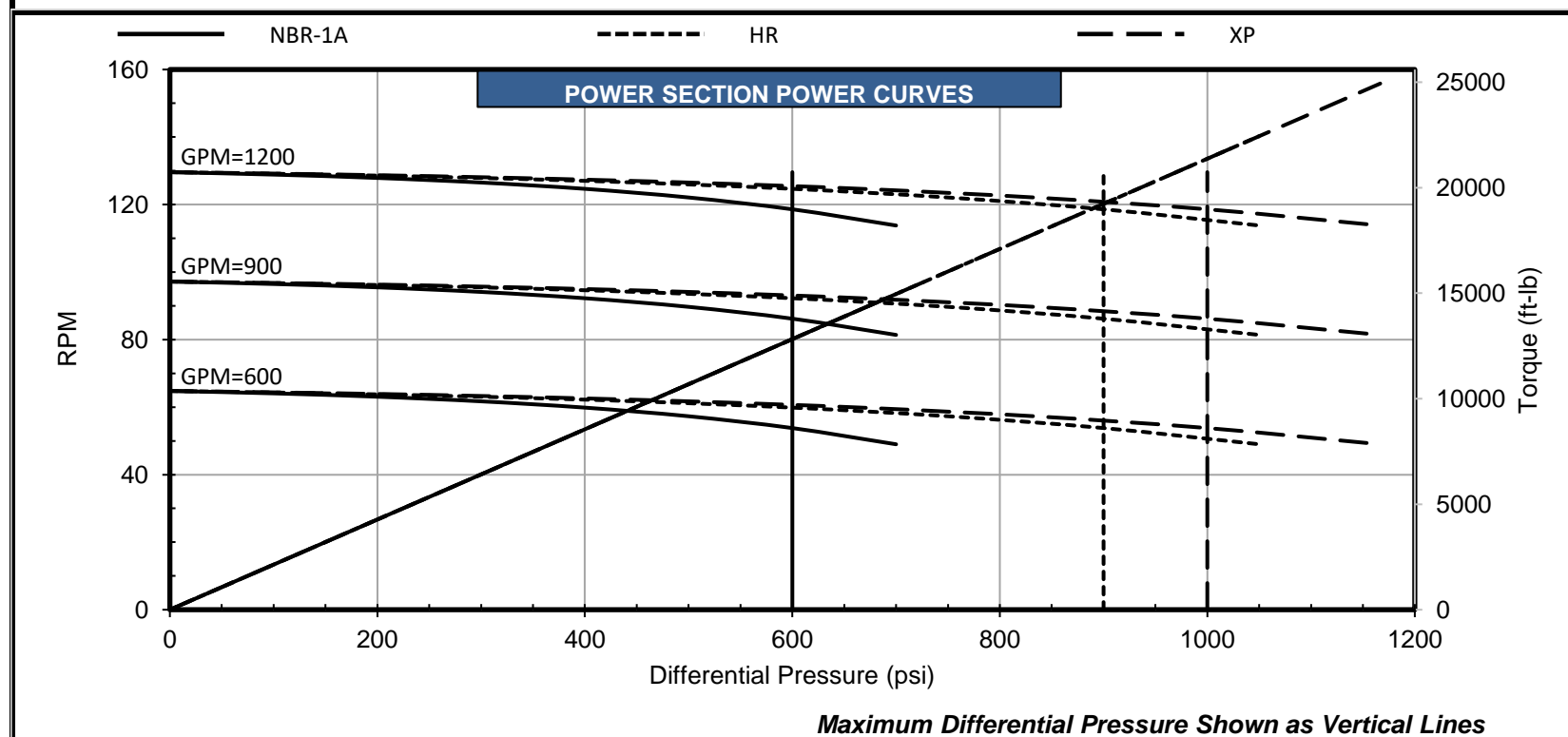
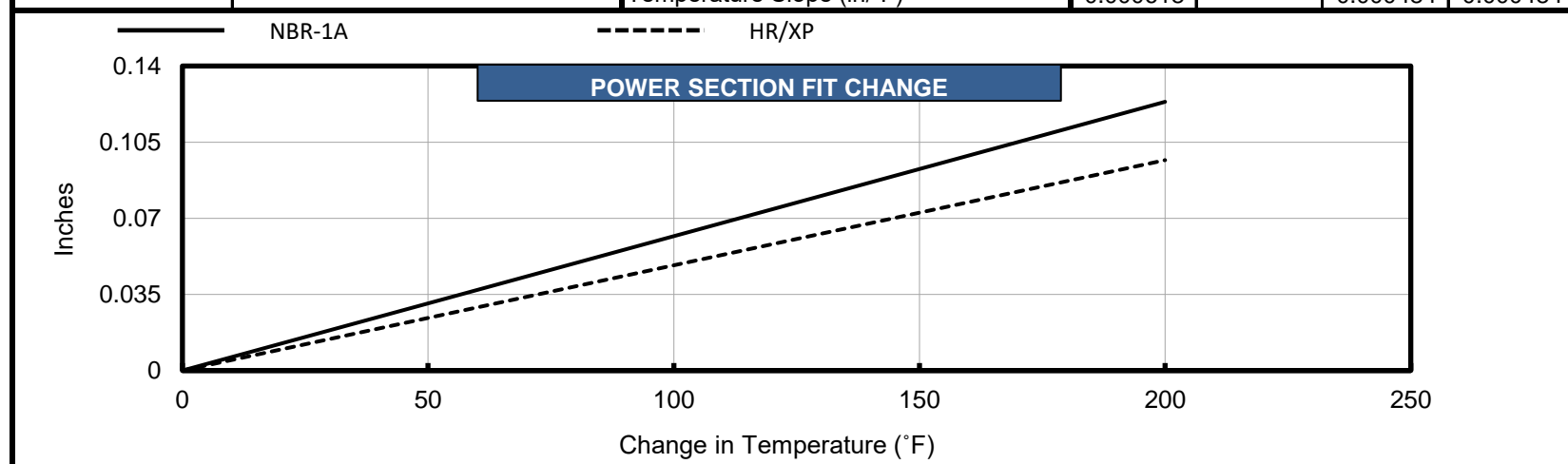
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			5.267	5.267*
Standard	5.246			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.018	0.018*
Standard	0.039			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	219.4	Overall Length	230.0
Contour Length	211.0	Rubber Cutback #1**	10.0
Eccentricity	0.448	Rubber Cutback #2**	10.0
Major Diameter	6.181	Tube O.D.	9.63
Head Diameter	5.500	Tube I.D.	7.88
Weight (lb)	1100	Weight (lb)	1743
Material	17-4SS	Number of Stages	4.0
Thread Form**	4 API FH		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	21.373 ft-lb/psi	Max. Diff. Press. (psi)	600		900	1000
Flow Range	600 to 1200 GPM	Max. Torque (ft-lb)	12820		19240	21370
RPG	0.108 rev/gal	Stall Diff. Press. (psi)	900		1350	1500
Speed Range	65 to 130 RPM	Stall Torque (ft-lb)	19240		28850	32060
Off Bottom Press.	188 psi	Max. Recommended (HP)	290		434	483
		PSI Per Stage	150		225	250
		PSI Per Cavity	32		47	53
		Temperature Slope (in/°F)	0.000618		0.000484	0.000484



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

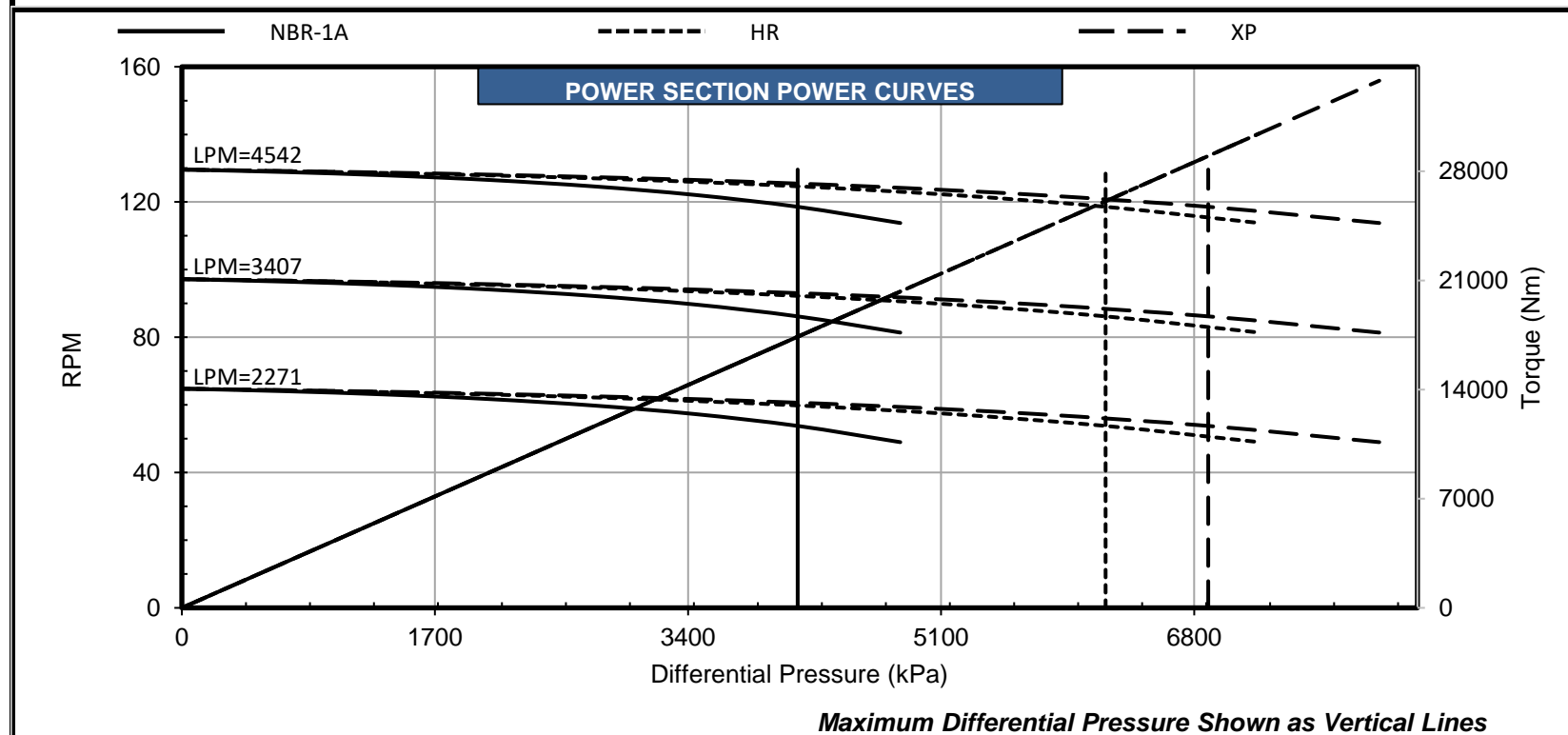
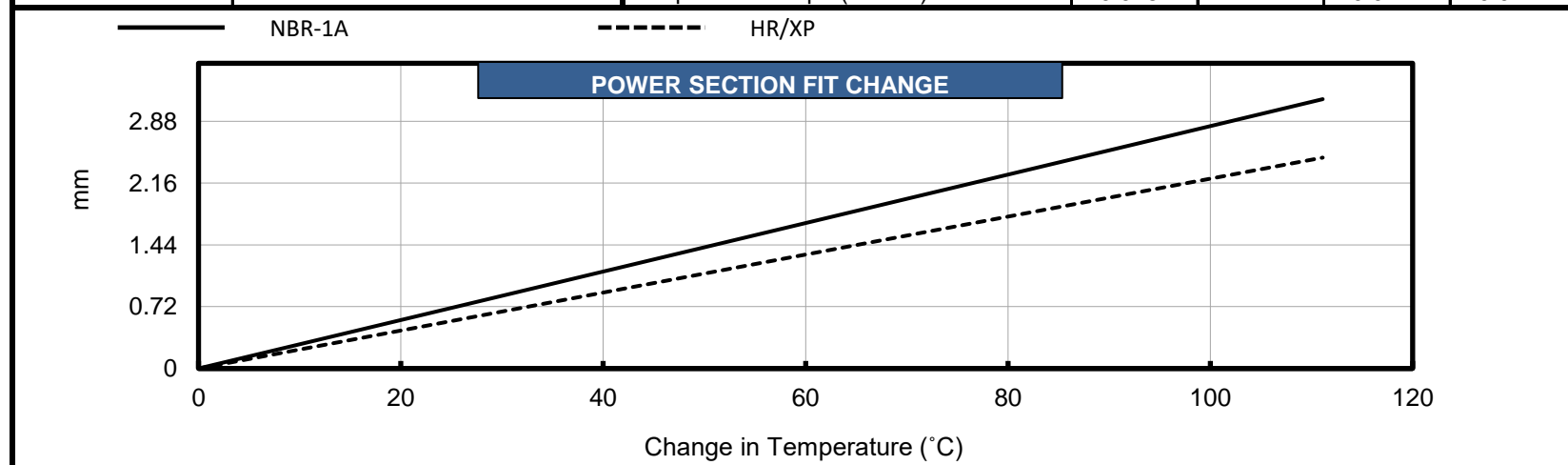
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			133.78	133.78*
Standard	133.25			
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.46	0.46*
Standard	0.99			
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5572.8	Overall Length	5842.0
Contour Length	5359.4	Rubber Cutback #1**	254.0
Eccentricity	11.38	Rubber Cutback #2**	254.0
Major Diameter	157.00	Tube O.D.	244.6
Head Diameter	139.70	Tube I.D.	200.2
Weight (kg)	499	Weight (kg)	791
Material	17-4SS	Number of Stages	4.0
Thread Form**	4 API FH		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	4.203 Nm/kPa	Max. Diff. Press. (kPa)	4137		6205	6895
Flow Range	2271 to 4542 Litre/min	Max. Torque (Nm)	17382		26086	28974
RPG	0.029 rev/litre	Stall Diff. Press. (kPa)	6205		9308	10342
Speed Range	65 to 130 RPM	Stall Torque (Nm)	26086		39115	43468
Off Bottom Press.	1296 kPa	Max. Recommended (kW)	216		324	360
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	221		324	365
		Temperature Slope (mm/°C)	0.0282		0.0221	0.0221



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.