



## POWER SECTION

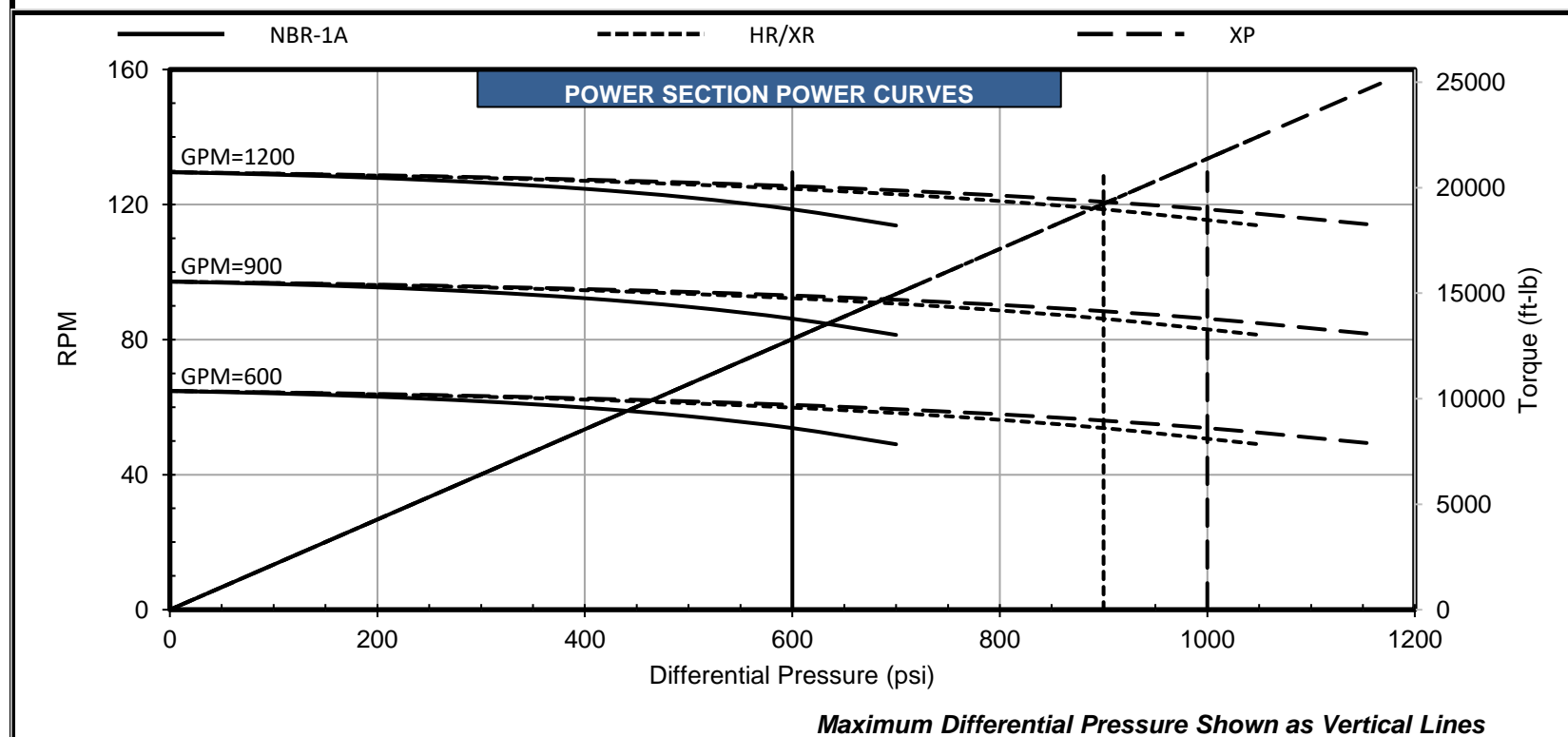
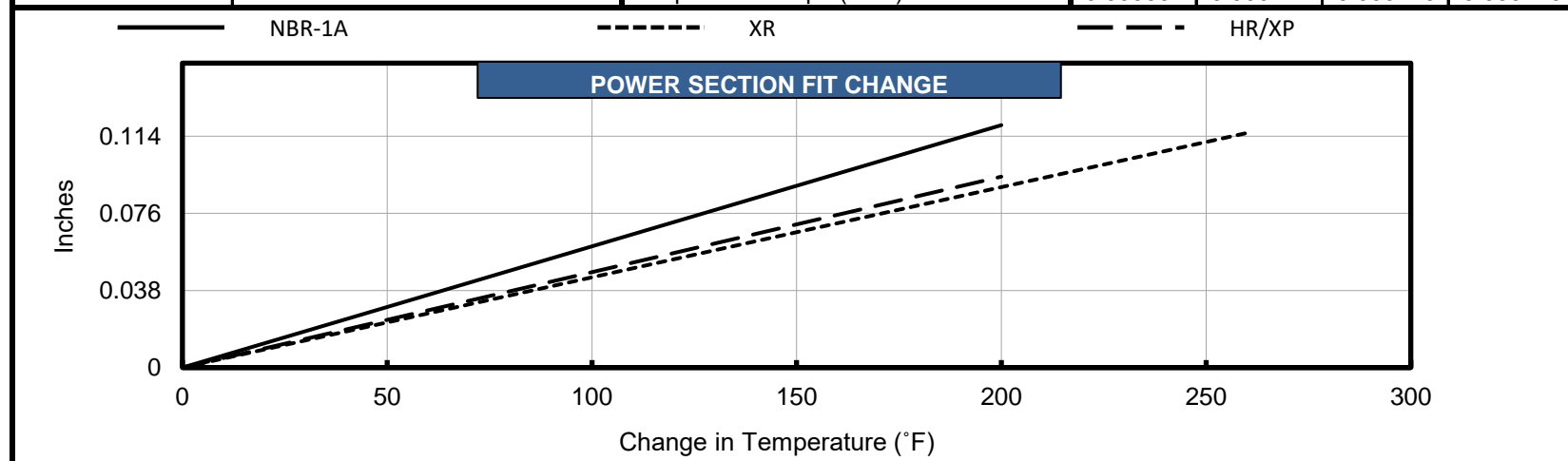
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	5.302	5.318*	5.318	5.318*
1 Oversize	5.334	5.347*	5.347	5.347*
2 Oversize	5.367			
Nominal Fit at 75°F				
1 Undersize				
Standard	0.040	0.024*	0.024	0.024*
1 Oversize	0.008	-0.006*	-0.006	-0.006*
2 Oversize	-0.026			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	218.0	Overall Length	228.0
Contour Length	210.0	Rubber Cutback #1**	10.0
Eccentricity	0.450	Rubber Cutback #2**	10.0
Major Diameter	6.241	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	900	1000
Flow Range	600 to 1200 GPM	Max. Torque (ft-lb)	12820	19240	19240	21370
RPG	0.108 rev/gal	Stall Diff. Press. (psi)	900	1350	1350	1500
Speed Range	65 to 130 RPM	Stall Torque (ft-lb)	19240	28850	28850	32060
Off Bottom Press.	191 psi	Max. Recommended (HP)	290	434	434	483
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	32	47	47	53
		Temperature Slope (in/°F)	0.000597	0.000444	0.000470	0.000470



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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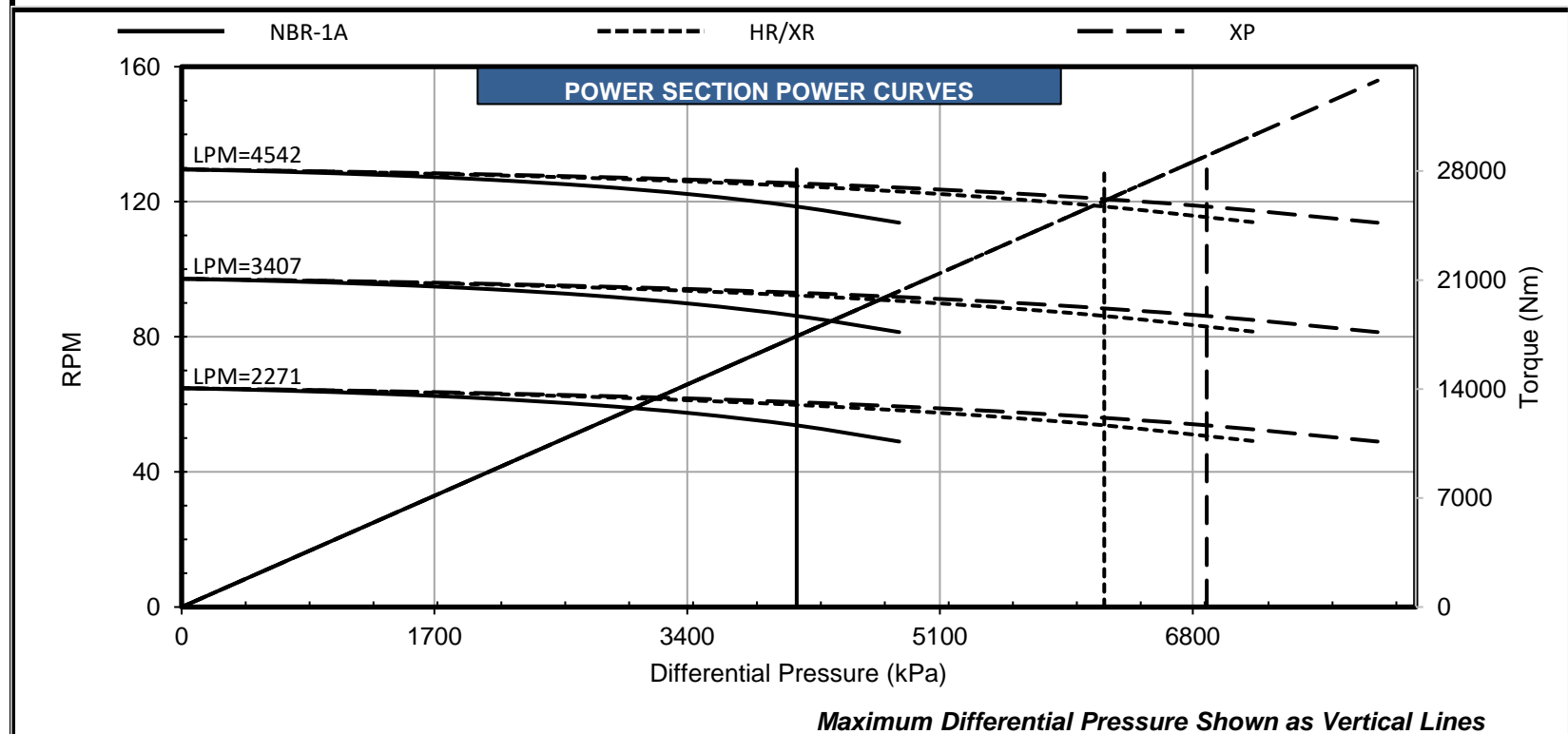
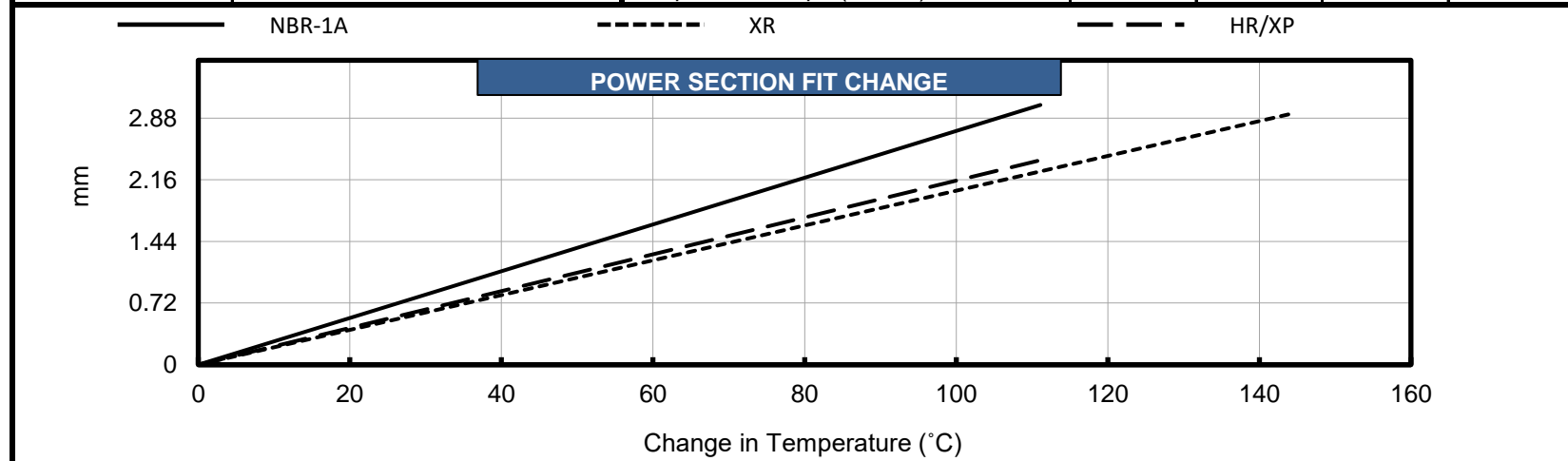
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	134.67	135.08*	135.08	135.08*
1 Oversize	135.48	135.81*	135.81	135.81*
2 Oversize	136.32			
Nominal Fit at 75°F				
1 Undersize				
Standard	1.02	0.61*	0.61	0.61*
1 Oversize	0.20	-0.15*	-0.15	-0.15*
2 Oversize	-0.66			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5537.2	Overall Length	5791.2
Contour Length	5334.0	Rubber Cutback #1**	254.0
Eccentricity	11.42	Rubber Cutback #2**	254.0
Major Diameter	158.52	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

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	4.203 Nm/kPa	Max. Diff. Press. (kPa)	4137	6205	6205	6895
Flow Range	2271 to 4542 Litre/min	Max. Torque (Nm)	17382	26086	26086	28974
RPG	0.029 rev/litre	Stall Diff. Press. (kPa)	6205	9308	9308	10342
Speed Range	65 to 130 RPM	Stall Torque (Nm)	26086	39115	39115	43468
Off Bottom Press.	1317 kPa	Max. Recommended (kW)	216	324	324	360
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	221	324	324	365
		Temperature Slope (mm/°C)	0.0273	0.0203	0.0215	0.0215



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.