

## POWER SECTION

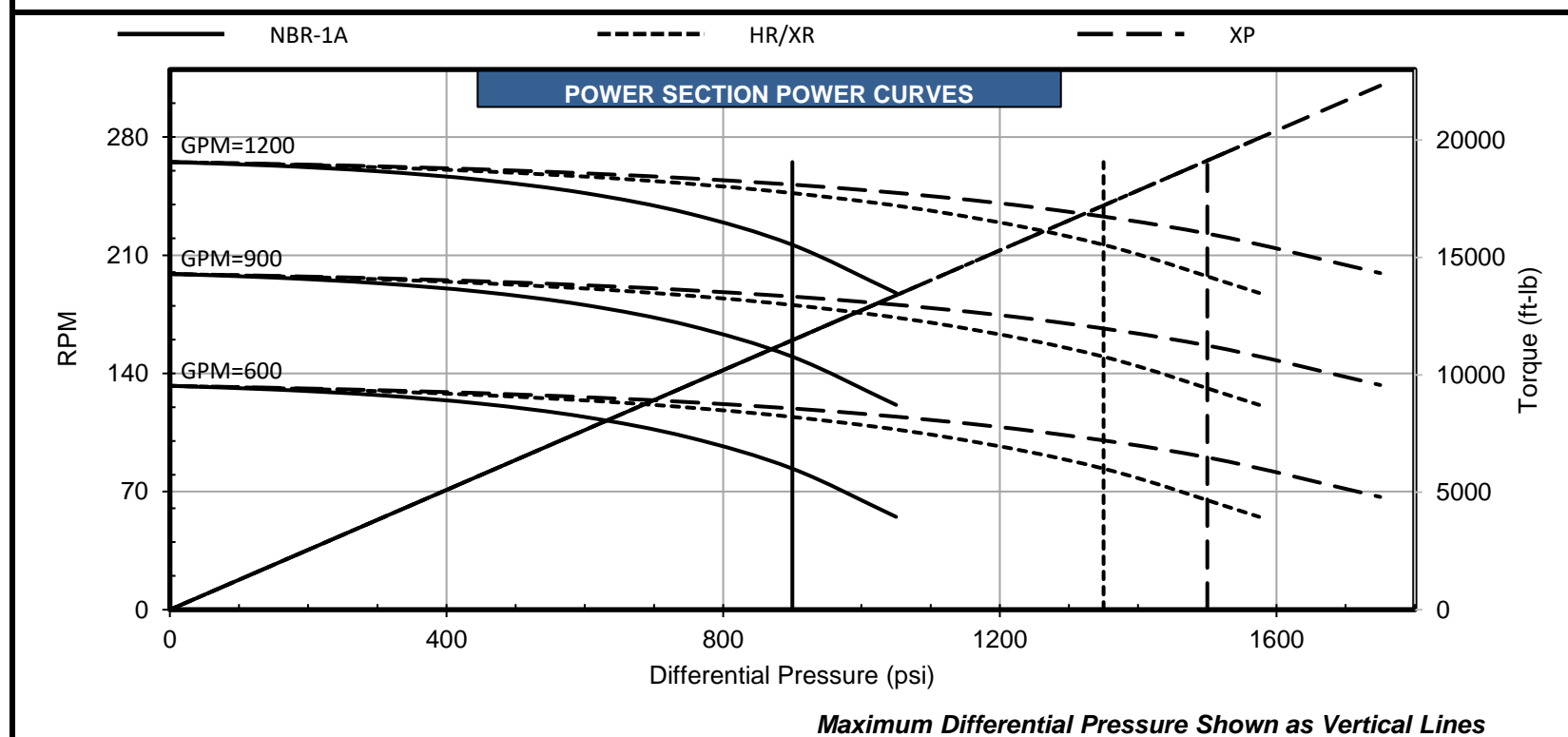
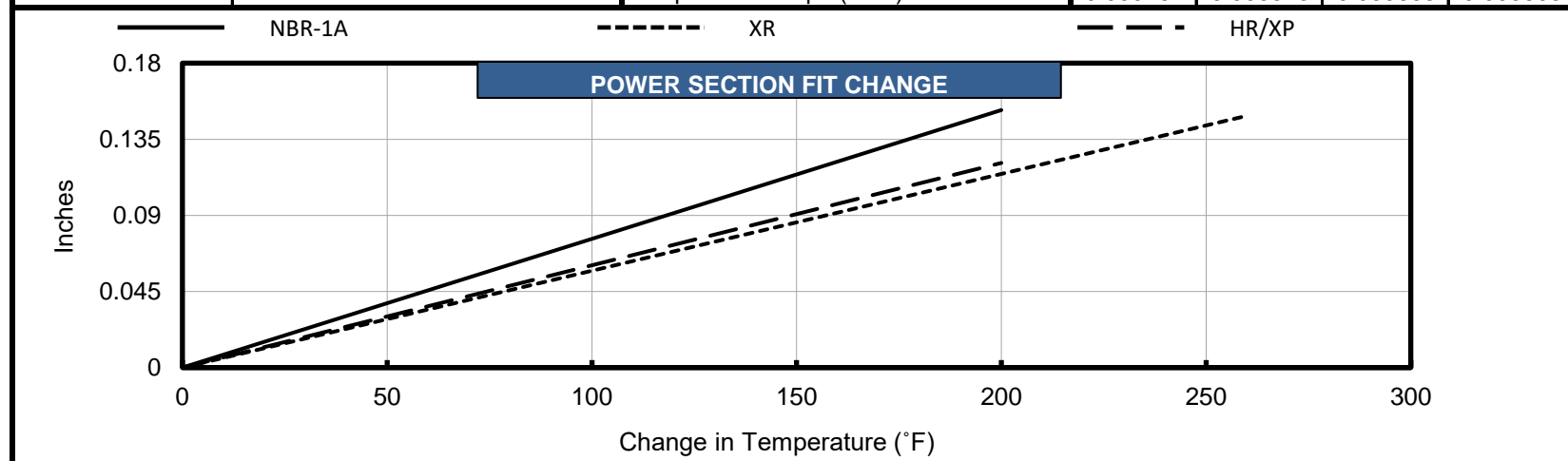
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	4.767	4.767*	4.759	4.759*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.013	0.013*	0.021	0.021*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	219.0	Overall Length	228.0
Contour Length	210.6	Rubber Cutback #1**	10.0
Eccentricity	0.599	Rubber Cutback #2**	10.0
Major Diameter	5.978	Tube O.D.	9.63
Head Diameter	5.500	Tube I.D.	7.88
Weight (lb)	1100	Weight (lb)	1737
Material	17-4SS	Number of Stages	6.0
Thread Form**	4 API FH		

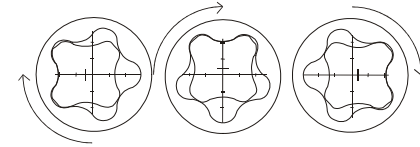
\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	12.750 ft-lb/psi	Max. Diff. Press. (psi)	900	1350	1350	1500
Flow Range	600 to 1200 GPM	Max. Torque (ft-lb)	11480	17210	17210	19130
RPG	0.221 rev/gal	Stall Diff. Press. (psi)	1350	2030	2030	2250
Speed Range	133 to 265 RPM	Stall Torque (ft-lb)	17210	25820	25820	28690
Off Bottom Press.	228 psi	Max. Recommended (HP)	472	708	730	811
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	43	64	64	71
		Temperature Slope (in/°F)	0.000761	0.000573	0.000605	0.000605



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.



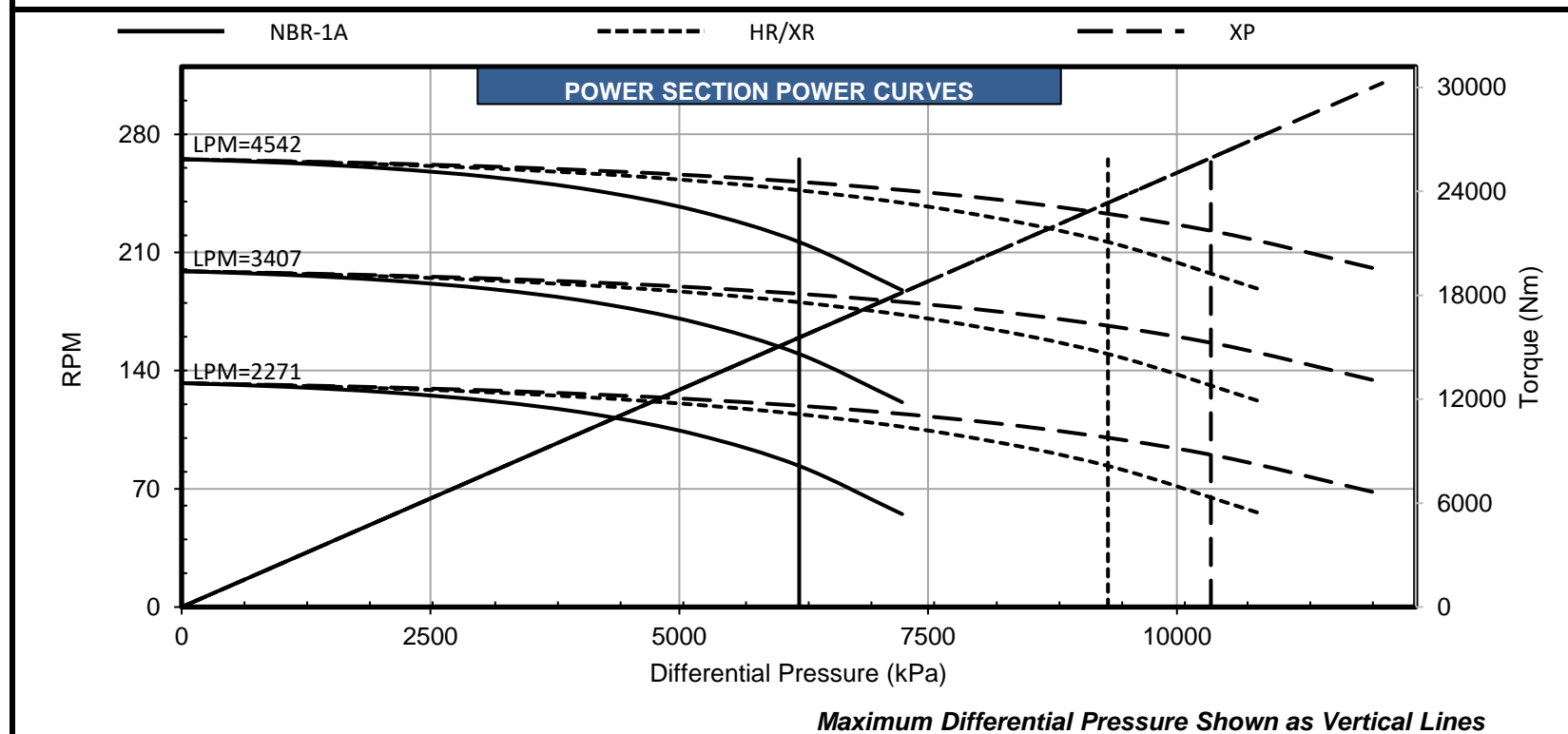
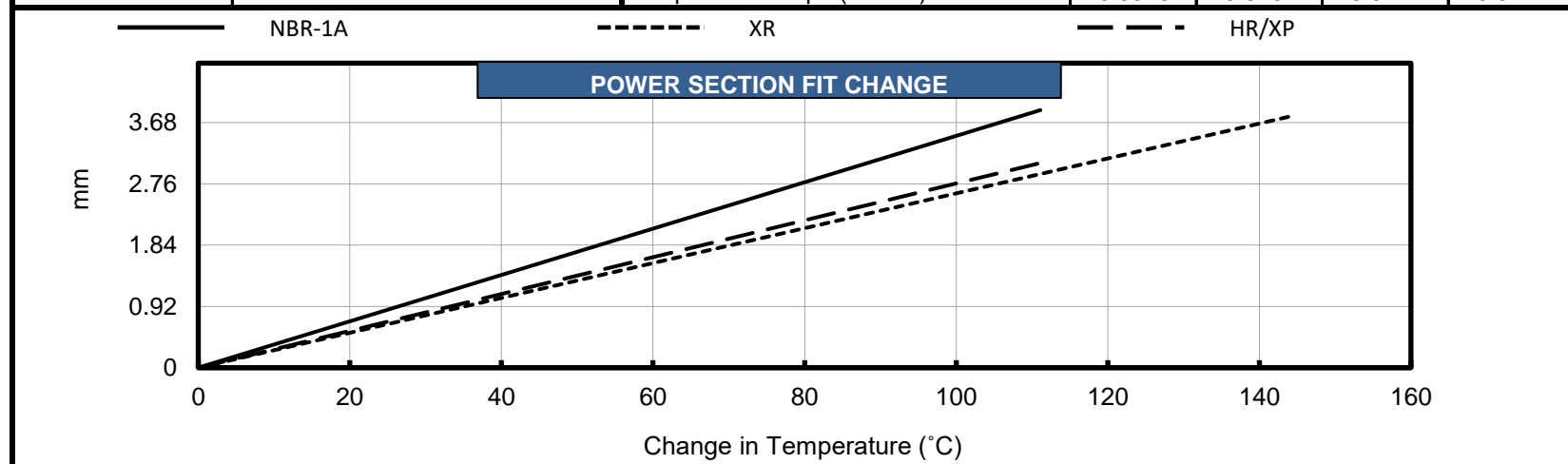
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FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)	(mm)	(mm)	(mm)
		XR	HR	XP				
1 Undersize					Overall Length	5562.6	Overall Length	5791.2
Standard	121.08	121.08*	120.88	120.88*	Contour Length	5349.2	Rubber Cutback #1**	254.0
1 Oversize					Eccentricity	15.21	Rubber Cutback #2**	254.0
2 Oversize					Major Diameter	151.84	Tube O.D.	244.6
Nominal Fit at 75°F					Head Diameter	139.70	Tube I.D.	200.2
1 Undersize					Weight (kg)	499	Weight (kg)	788
Standard	0.33	0.33*	0.53	0.53*	Material	17-4SS	Number of Stages	6.0
1 Oversize					Thread Form**	4 API FH		
2 Oversize								

\*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	2.507 Nm/kPa	Max. Diff. Press. (kPa)	6205	9308	9308	10342
Flow Range	2271 to 4542 Litre/min	Max. Torque (Nm)	15565	23334	23334	25937
RPG	0.058 rev/litre	Stall Diff. Press. (kPa)	9308	13996	13996	15513
Speed Range	133 to 265 RPM	Stall Torque (Nm)	23334	35007	35007	38898
Off Bottom Press.	1572 kPa	Max. Recommended (kW)	352	528	545	605
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	296	441	441	490
		Temperature Slope (mm/°C)	0.0348	0.0262	0.0277	0.0277



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