

## POWER SECTION

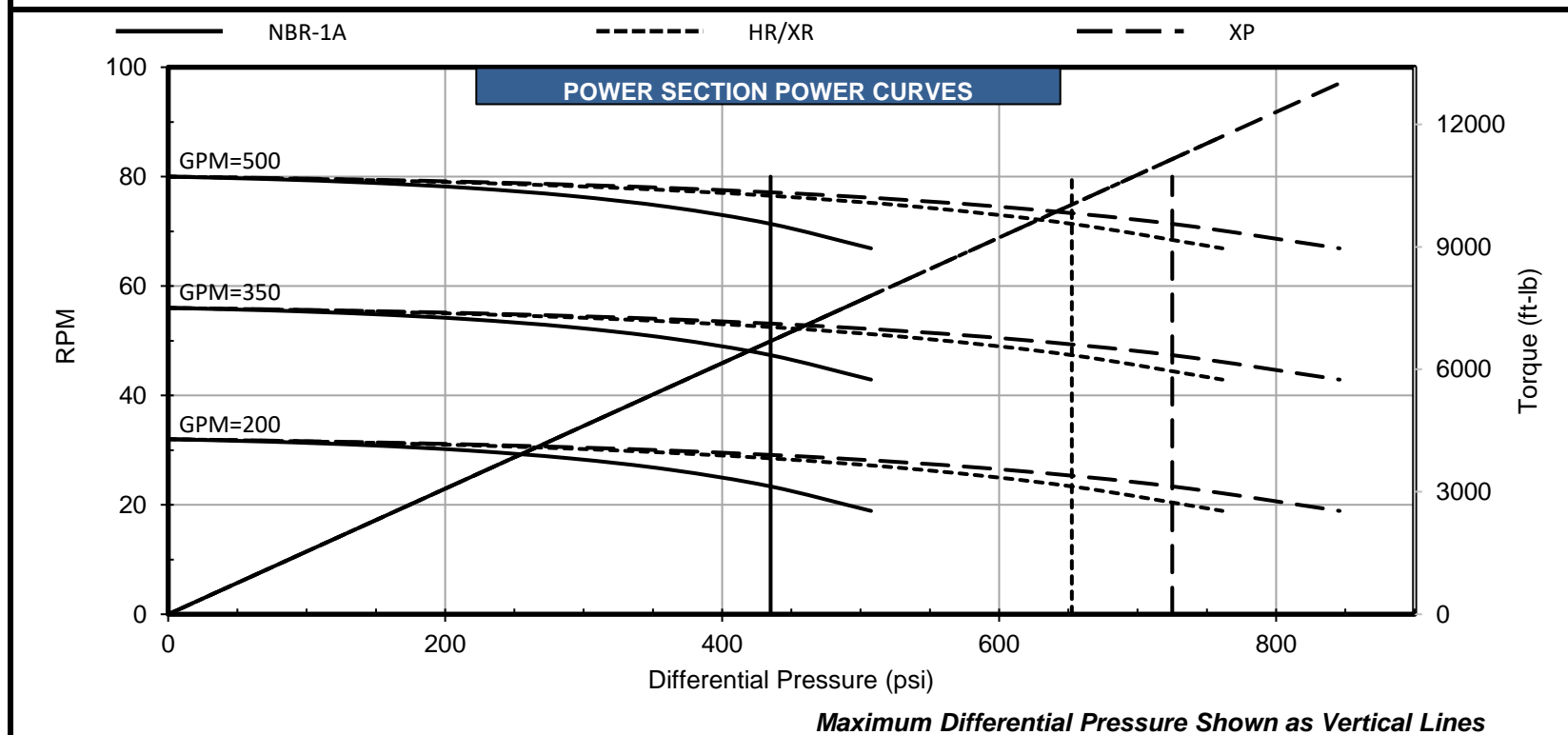
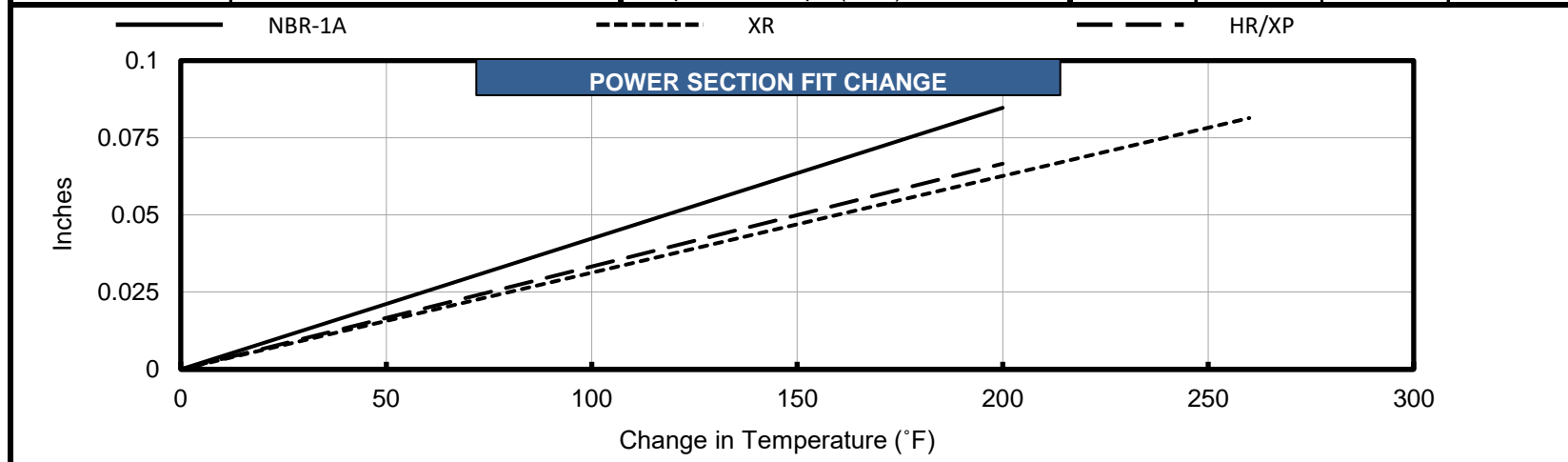
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	3.795*		3.792	3.792*
1 Oversize	3.820	3.808*	3.808	3.808*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	-0.011*		-0.008	-0.008*
1 Oversize	-0.036	-0.024*	-0.024	-0.024*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	213.0	Overall Length	220.0
Contour Length	206.3	Rubber Cutback #1**	8.0
Eccentricity	0.256	Rubber Cutback #2**	8.0
Major Diameter	4.296	Tube O.D.	6.75
Head Diameter	4.000	Tube I.D.	5.50
Weight (lb)	621	Weight (lb)	828
Material	17-4SS	Number of Stages	2.9
Thread Form**	2 7/8 API REG		

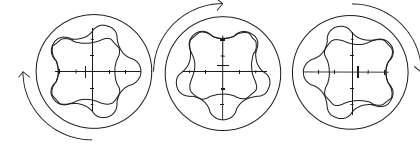
\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	15.378 ft-lb/psi	Max. Diff. Press. (psi)	440	650	650	730
Flow Range	200 to 500 GPM	Max. Torque (ft-lb)	6690	10030	10030	11150
RPG	0.160 rev/gal	Stall Diff. Press. (psi)	650	980	980	1090
Speed Range	32 to 80 RPM	Stall Torque (ft-lb)	10030	15050	15050	16720
Off Bottom Press.	56 psi	Max. Recommended (HP)	91	136	136	151
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	27	40	40	45
		Temperature Slope (in/°F)	0.000423	0.000313	0.000333	0.000333



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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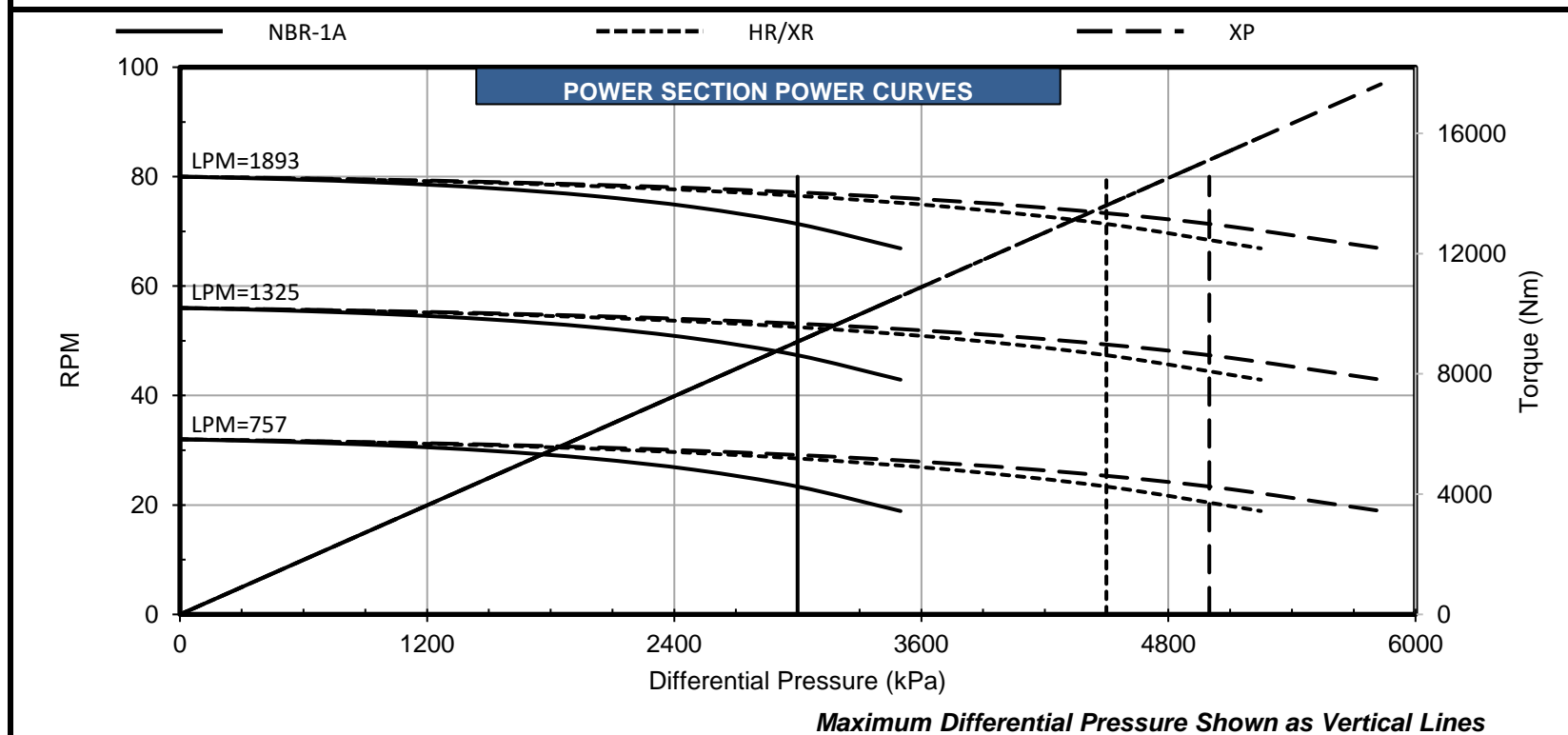
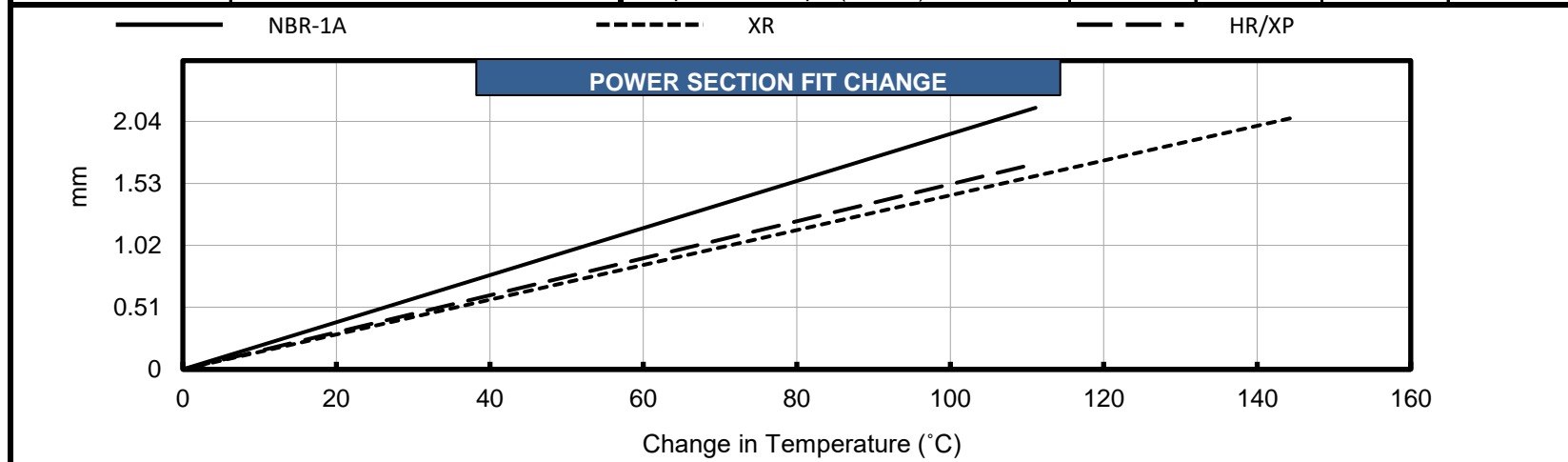
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	96.39*		96.32	96.32*
1 Oversize	97.03	96.72*	96.72	96.72*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	-0.28*		-0.20	-0.20*
1 Oversize	-0.91	-0.61*	-0.61	-0.61*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5410.2	Overall Length	5588.0
Contour Length	5240.0	Rubber Cutback #1**	203.2
Eccentricity	6.50	Rubber Cutback #2**	203.2
Major Diameter	109.12	Tube O.D.	171.5
Head Diameter	101.60	Tube I.D.	139.7
Weight (kg)	282	Weight (kg)	376
Material	17-4SS	Number of Stages	2.9
Thread Form**	2 7/8 API REG		

\*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.024 Nm/kPa	Max. Diff. Press. (kPa)	3034	4482	4482	5033
Flow Range	757 to 1893 Litre/min	Max. Torque (Nm)	9070	13599	13599	15117
RPG	0.042 rev/litre	Stall Diff. Press. (kPa)	4482	6757	6757	7515
Speed Range	32 to 80 RPM	Stall Torque (Nm)	13599	20405	20405	22669
Off Bottom Press.	386 kPa	Max. Recommended (kW)	68	102	102	113
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	186	276	276	310
		Temperature Slope (mm/°C)	0.0194	0.0143	0.0152	0.0152



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