

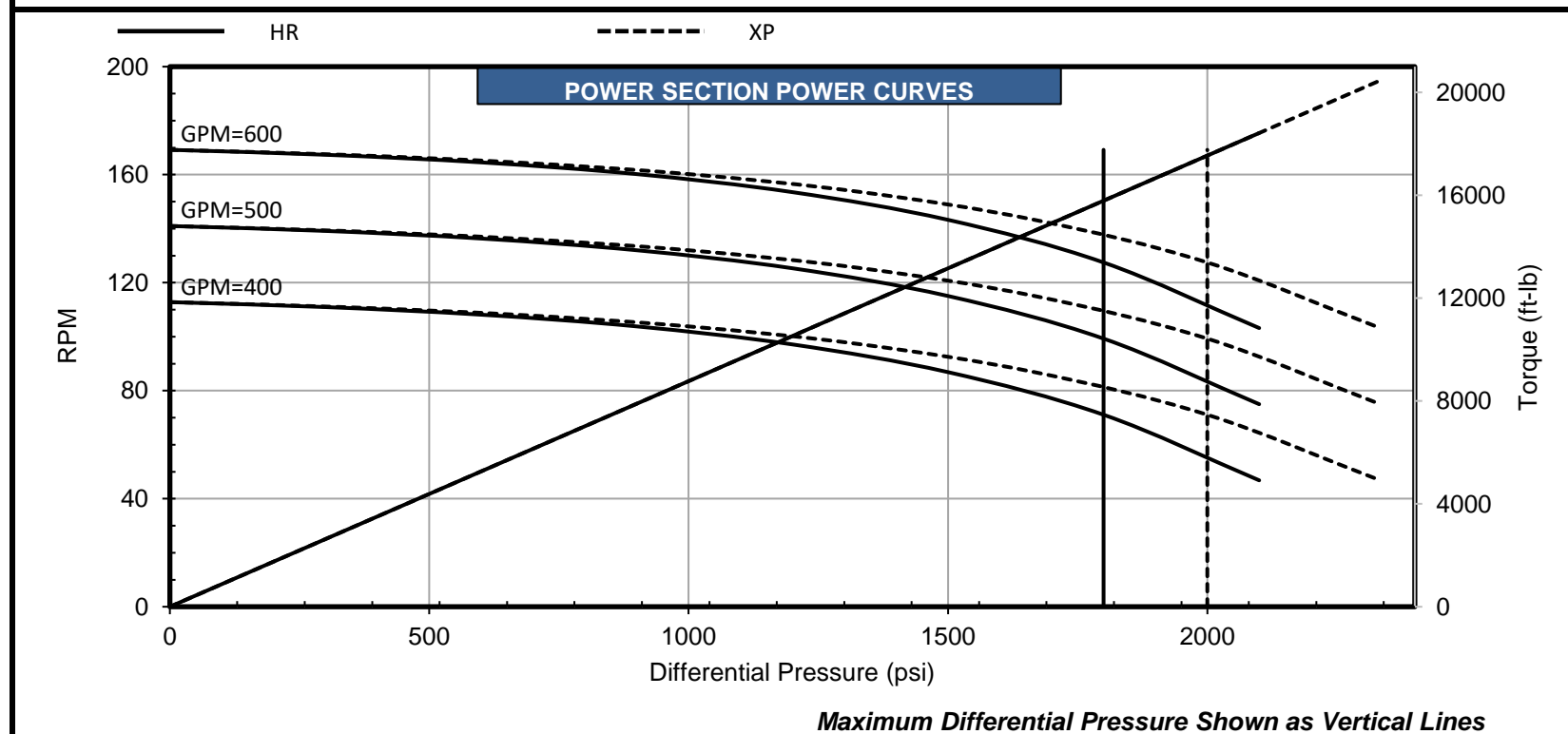
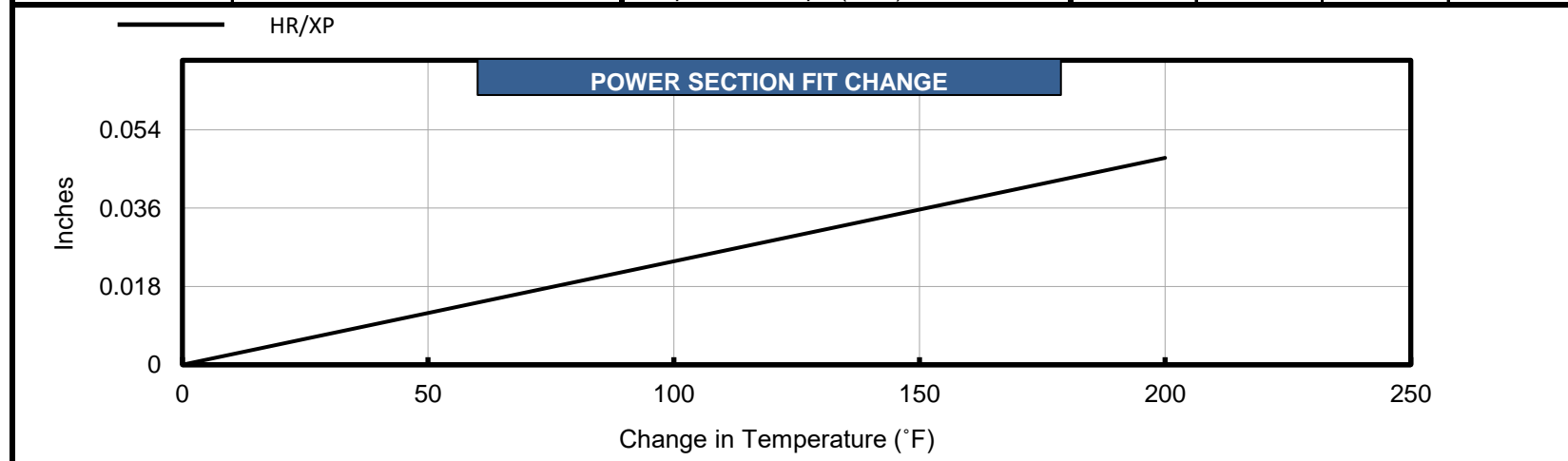
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(in)	(in)	(in)	(in)
		XR	HR	XP				
1 Undersize			4.372	4.372*	Overall Length	252.0	Overall Length	260.0
0.5 Oversize			4.388	4.388*	Contour Length	244.0	Rubber Cutback #1**	8.0
1 Oversize					Eccentricity	0.224	Rubber Cutback #2**	8.0
2 Oversize					Major Diameter	4.830	Tube O.D.	6.75
Nominal Fit at 75°F					Head Diameter	4.625	Tube I.D.	5.50
1 Undersize			0.011	0.011*	Weight (lb)	1035	Weight (lb)	813
0.5 Oversize			-0.005	-0.005*	Material	145 KSI 17-4SS	Number of Stages	8.0
1 Oversize					Thread Form**	BLANK		
2 Oversize								

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	8.771 ft-lb/psi	Max. Diff. Press. (psi)			1800	2000
Flow Range	400 to 600 GPM	Max. Torque (ft-lb)			15790	17540
RPG	0.282 rev/gal	Stall Diff. Press. (psi)			2700	3000
Speed Range	113 to 169 RPM	Stall Torque (ft-lb)			23680	26310
Off Bottom Press.	152 psi	Max. Recommended (HP)			383	426
		PSI Per Stage			225	250
		PSI Per Cavity			25	28
		Temperature Slope (in/°F)			0.000238	0.000238



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

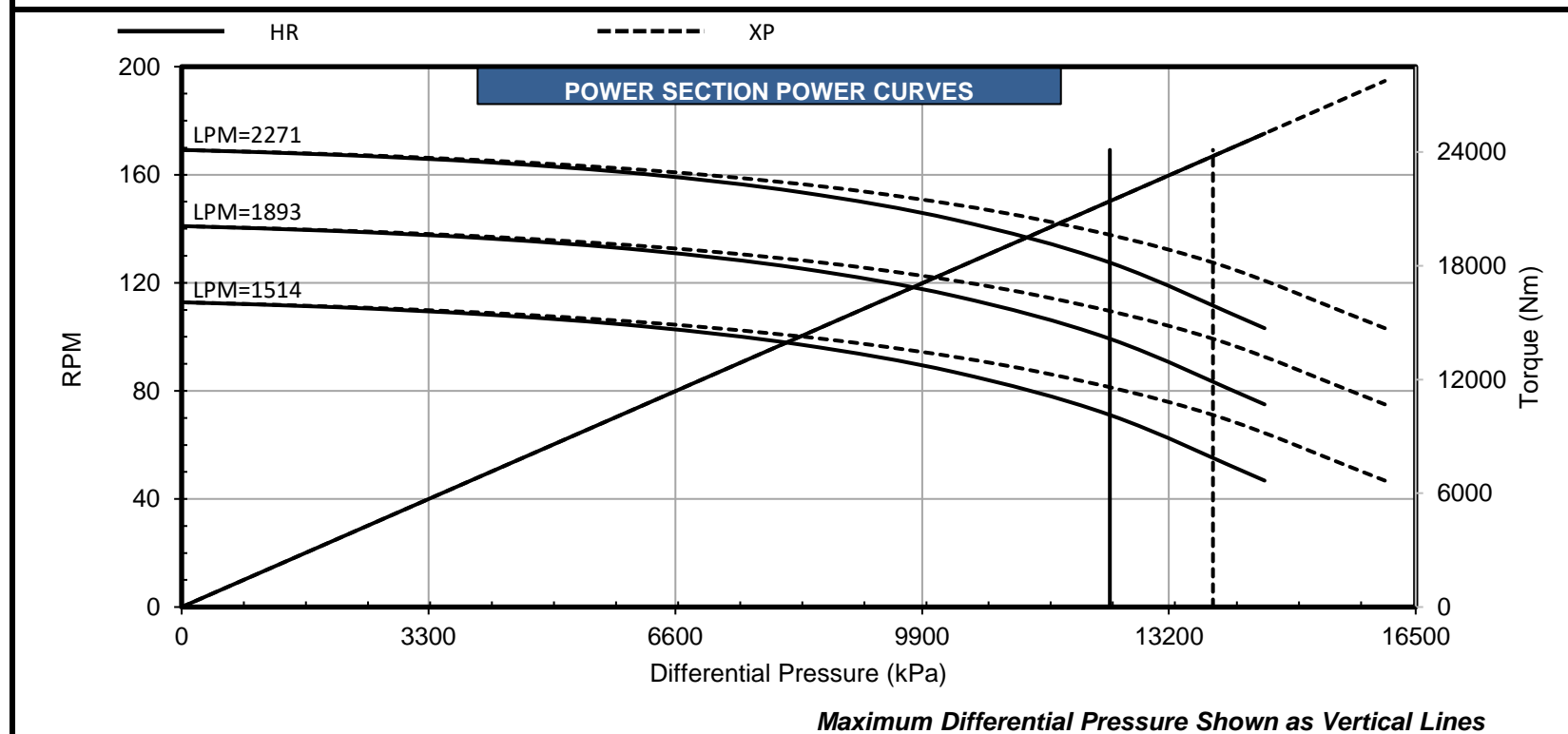
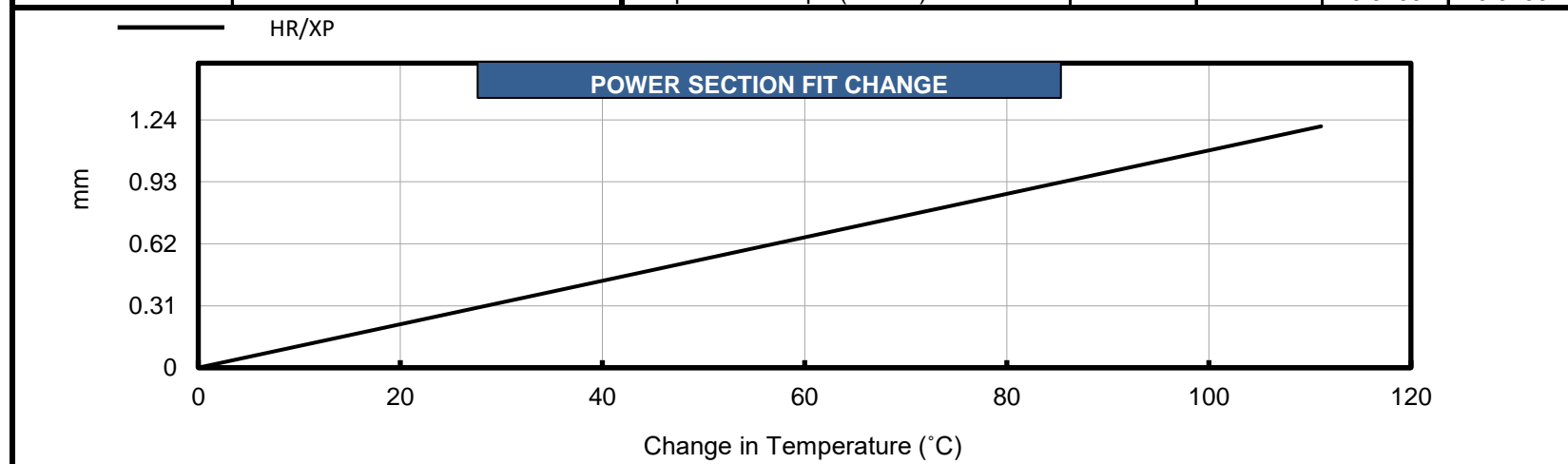
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			111.05	111.05*
0.5 Oversize			111.46	111.46*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.28	0.28*
0.5 Oversize			-0.13	-0.13*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	6400.8	Overall Length	6604.0
Contour Length	6197.6	Rubber Cutback #1**	203.2
Eccentricity	5.68	Rubber Cutback #2**	203.2
Major Diameter	122.68	Tube O.D.	171.5
Head Diameter	117.48	Tube I.D.	139.7
Weight (kg)	469	Weight (kg)	369
Material	145 KSI 17-4SS	Number of Stages	8.0
Thread Form**	BLANK		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.725 Nm/kPa	Max. Diff. Press. (kPa)			12411	13790
Flow Range	1514 to 2271 Litre/min	Max. Torque (Nm)			21408	23781
RPG	0.074 rev/litre	Stall Diff. Press. (kPa)			18616	20684
Speed Range	113 to 169 RPM	Stall Torque (Nm)			32106	35672
Off Bottom Press.	1048 kPa	Max. Recommended (kW)			286	318
		kPa Per Stage			1551	1724
		kPa Per Cavity			172	193
		Temperature Slope (mm/°C)			0.0109	0.0109



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