



POWER SECTION

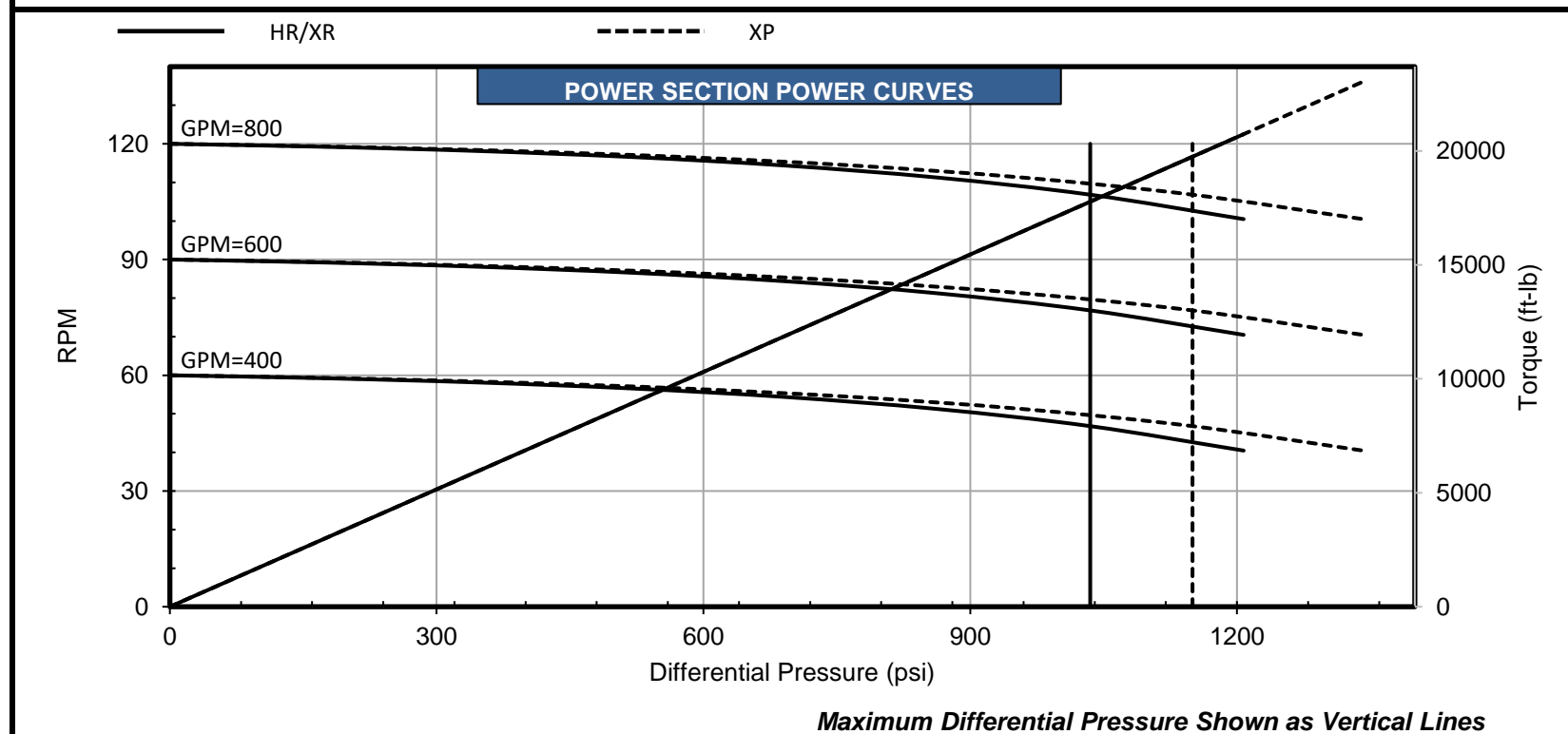
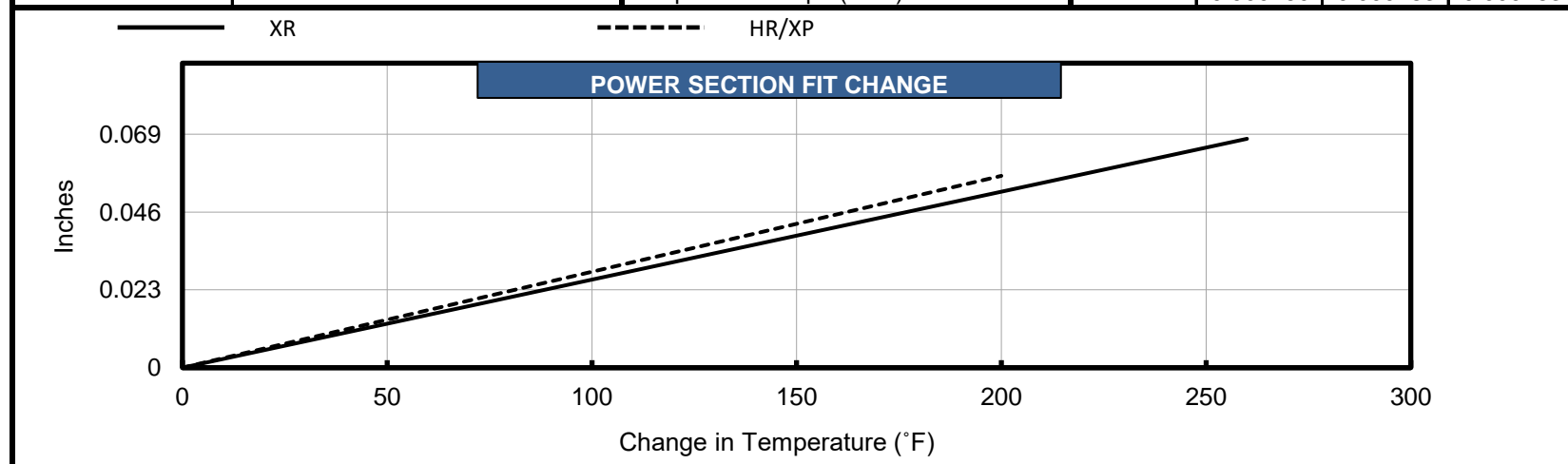
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard		4.385*	4.385	4.385*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.001*	0.001	0.001*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	293.0	Overall Length	300.0
Contour Length	286.0	Rubber Cutback #1**	8.0
Eccentricity	0.294	Rubber Cutback #2**	8.0
Major Diameter	4.973	Tube O.D.	7.00
Head Diameter	5.000	Tube I.D.	5.75
Weight (lb)	1193	Weight (lb)	995
Material	17-4 SST 145 KSI	Number of Stages	4.6
Thread Form**	BLANK		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	17.173 ft-lb/psi	Max. Diff. Press. (psi)		1040	1040	1150
Flow Range	400 to 800 GPM	Max. Torque (ft-lb)		17770	17770	19750
RPG	0.150 rev/gal	Stall Diff. Press. (psi)		1550	1550	1730
Speed Range	60 to 120 RPM	Stall Torque (ft-lb)		26660	26660	29620
Off Bottom Press.	102 psi	Max. Recommended (HP)		361	361	402
		PSI Per Stage		225	225	250
		PSI Per Cavity		40	40	44
		Temperature Slope (in/°F)		0.000260	0.000283	0.000283



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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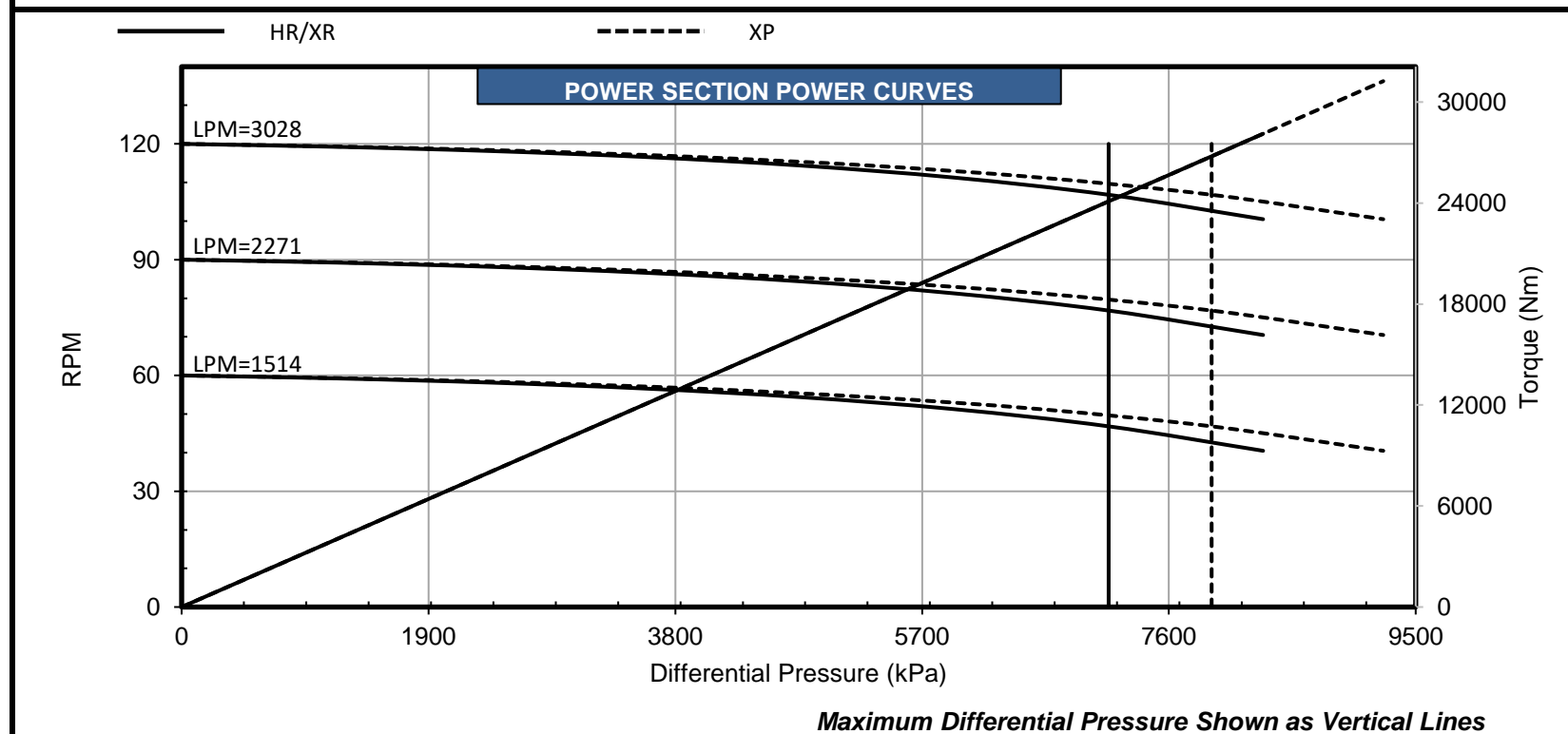
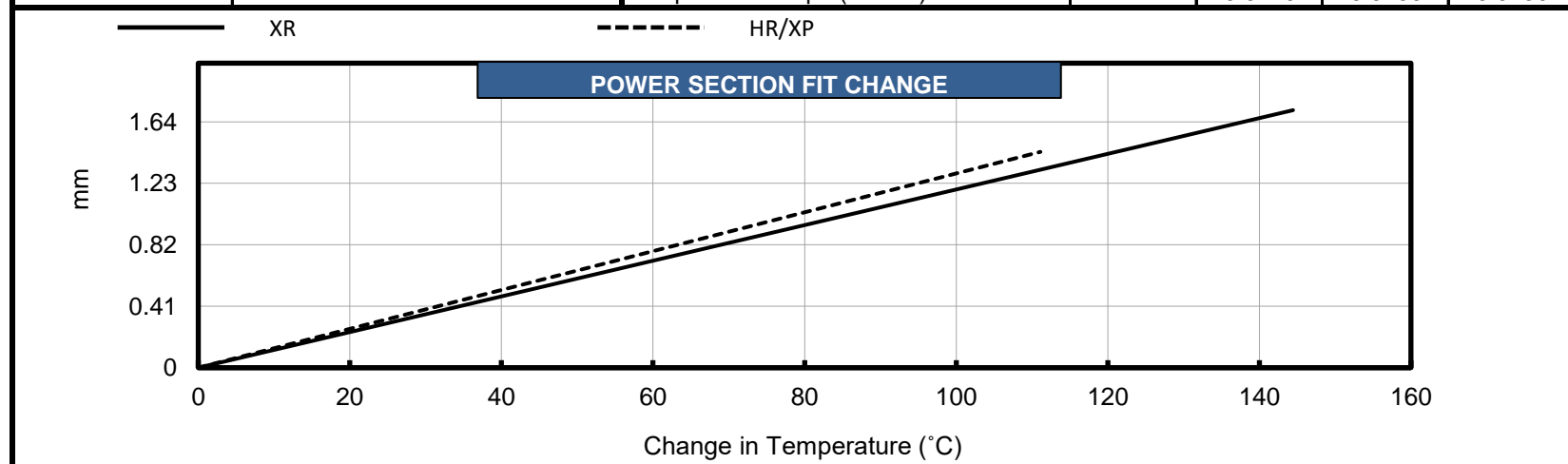
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard		111.38*	111.38	111.38*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.03*	0.03	0.03*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	7442.2	Overall Length	7620.0
Contour Length	7264.4	Rubber Cutback #1**	203.2
Eccentricity	7.46	Rubber Cutback #2**	203.2
Major Diameter	126.31	Tube O.D.	177.8
Head Diameter	127.00	Tube I.D.	146.1
Weight (kg)	541	Weight (kg)	451
Material	17-4 SST 145 KSI	Number of Stages	4.6
Thread Form**	BLANK		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.377 Nm/kPa	Max. Diff. Press. (kPa)		7171	7171	7929
Flow Range	1514 to 3028 Litre/min	Max. Torque (Nm)		24093	24093	26777
RPG	0.040 rev/litre	Stall Diff. Press. (kPa)		10687	10687	11928
Speed Range	60 to 120 RPM	Stall Torque (Nm)		36146	36146	40159
Off Bottom Press.	703 kPa	Max. Recommended (kW)		270	270	300
		kPa Per Stage		1551	1551	1724
		kPa Per Cavity		276	276	303
		Temperature Slope (mm/°C)		0.0119	0.0130	0.0130



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