

POWER SECTION

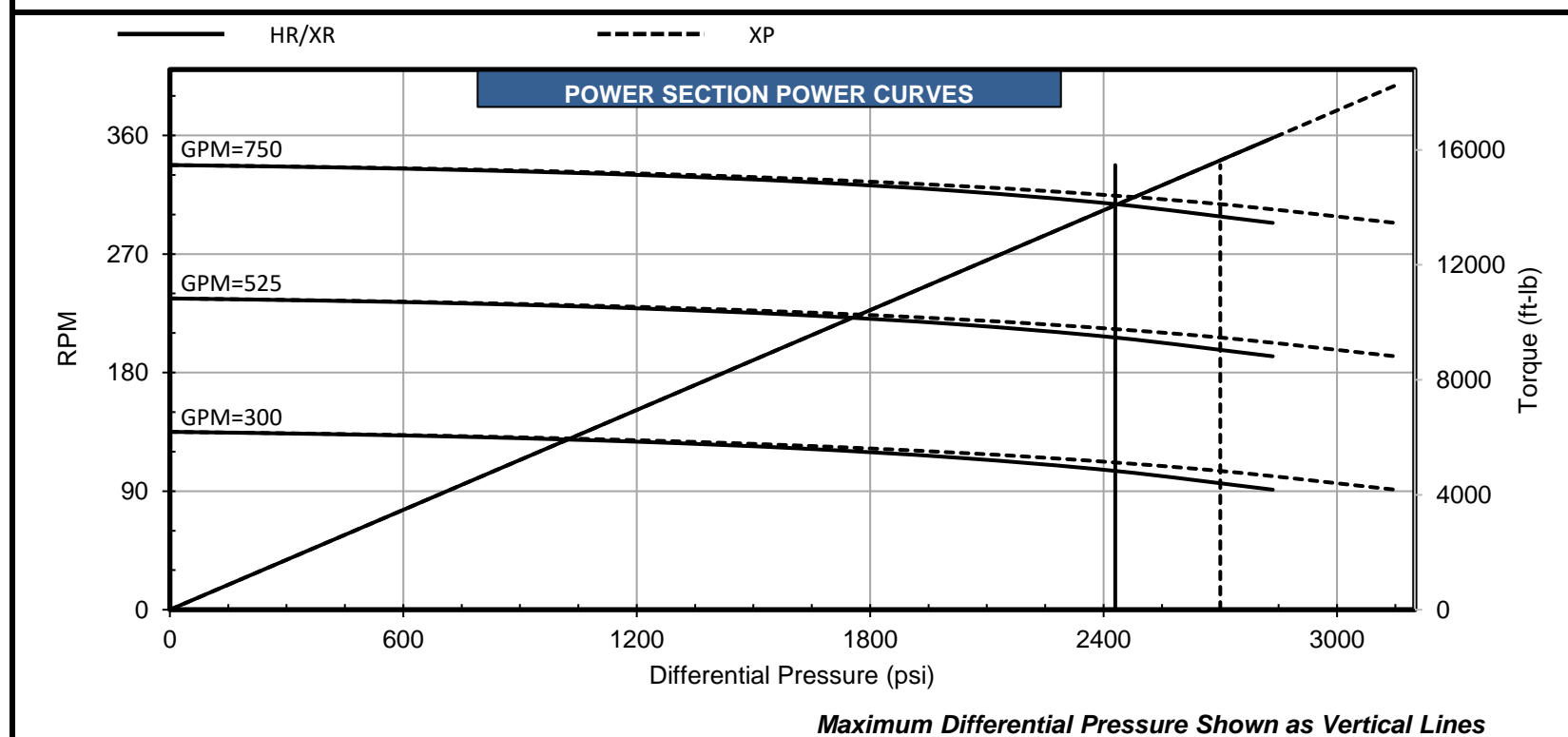
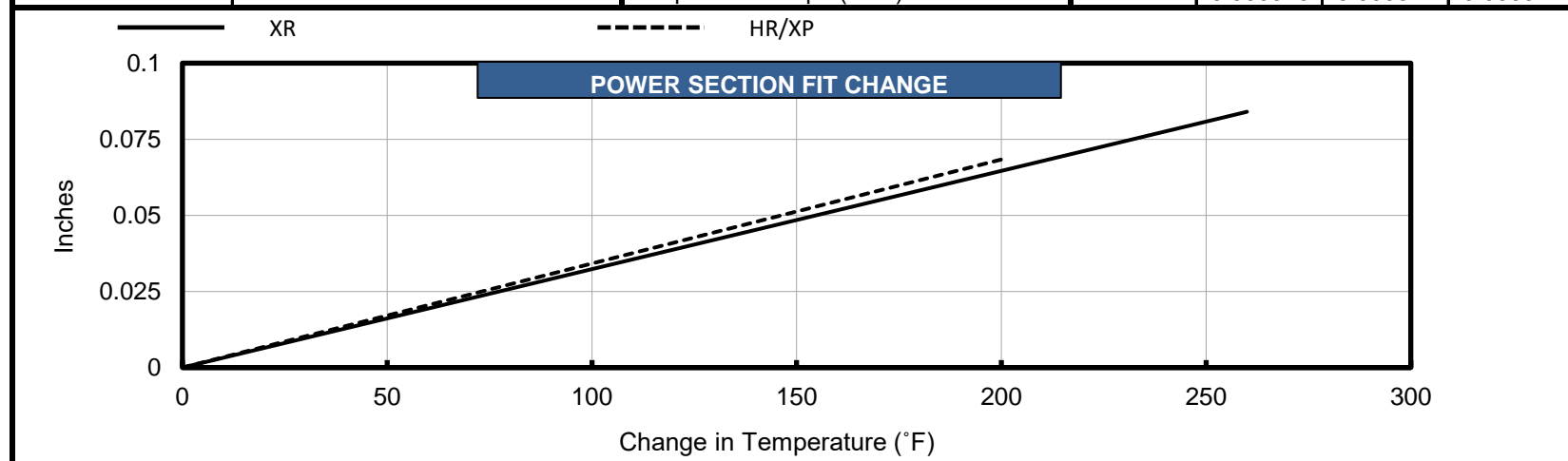
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
0.5 Undersize		4.036*	4.036*	4.036*
Standard				
1 Oversize		4.041*	4.041	4.041*
2 Oversize		4.068*	4.068	4.068*
Nominal Fit at 75°F				
0.5 Undersize		0.002*	0.002*	0.002*
Standard				
1 Oversize		-0.003*	-0.003	-0.003*
2 Oversize		-0.030*	-0.030	-0.030*

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	267.0	Overall Length	275.0
Contour Length	261.0	Rubber Cutback #1**	7.5
Eccentricity	0.319	Rubber Cutback #2**	7.5
Major Diameter	4.676	Tube O.D.	7.00
Head Diameter	4.500	Tube I.D.	5.50
Weight (lb)	963	Weight (lb)	1017
Material	145 KSI 17-4SS	Number of Stages	10.8
Thread Form**	BLANK		

*Pending production measurements

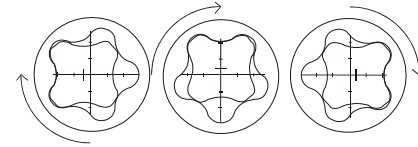
** Alternate or custom thread forms and cutbacks are available upon request

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	5.792 ft-lb/psi	Max. Diff. Press. (psi)		2430	2430	2700
Flow Range	300 to 750 GPM	Max. Torque (ft-lb)		14070	14070	15640
RPG	0.450 rev/gal	Stall Diff. Press. (psi)		3650	3650	4050
Speed Range	135 to 338 RPM	Stall Torque (ft-lb)		21110	21110	23460
Off Bottom Press.	221 psi	Max. Recommended (HP)		825	825	917
		PSI Per Stage		225	225	250
		PSI Per Cavity		41	41	45
		Temperature Slope (in/°F)		0.000323	0.000342	0.000342



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.



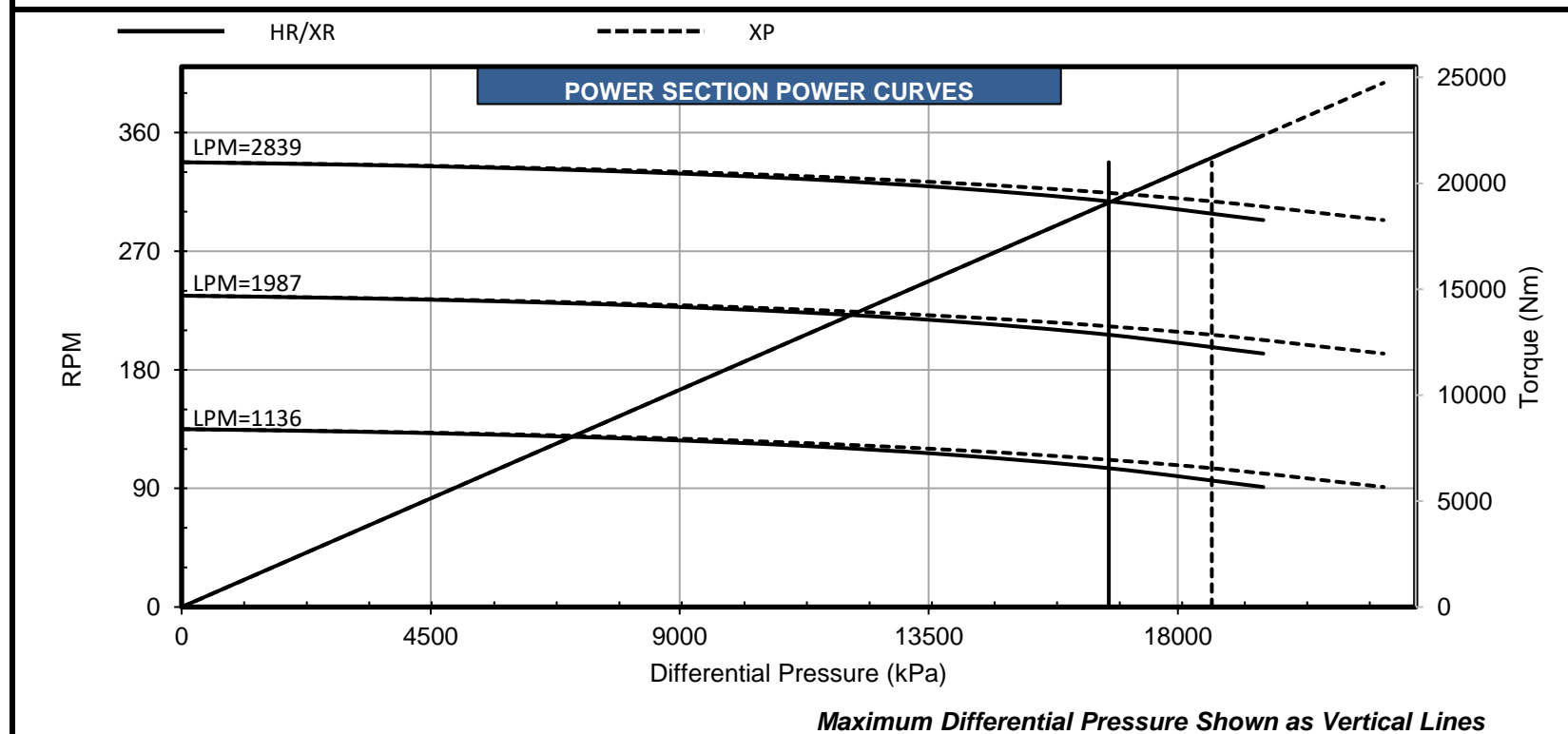
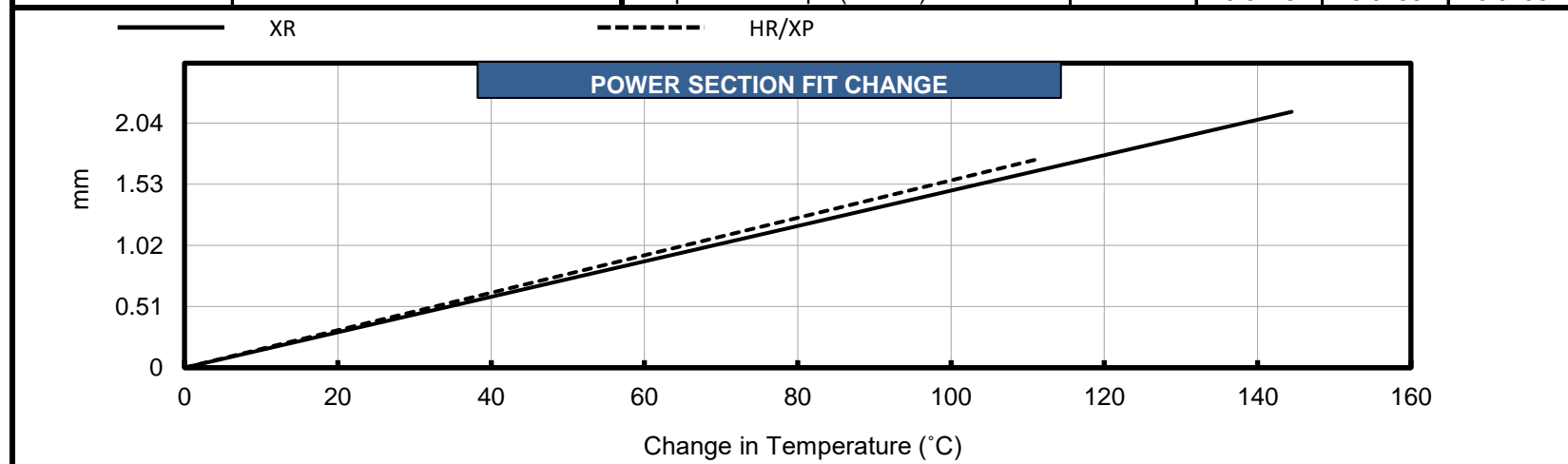
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)	(mm)	(mm)	(mm)
		XR	HR	XP				
0.5 Undersize		102.51*	102.51*	102.51*	Overall Length	6781.8	Overall Length	6985.0
Standard					Contour Length	6629.4	Rubber Cutback #1**	190.5
1 Oversize		102.64*	102.64	102.64*	Eccentricity	8.10	Rubber Cutback #2**	190.5
2 Oversize		103.33*	103.33	103.33*	Major Diameter	118.77	Tube O.D.	177.8
Nominal Fit at 75°F					Head Diameter	114.30	Tube I.D.	139.7
0.5 Undersize		0.05*	0.05*	0.05*	Weight (kg)	437	Weight (kg)	461
Standard					Material	145 KSI 17-4SS	Number of Stages	10.8
1 Oversize		-0.08*	-0.08	-0.08*	Thread	BLANK		
2 Oversize		-0.76*	-0.76	-0.76*	Form**			

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.139 Nm/kPa	Max. Diff. Press. (kPa)		16754	16754	18616
Flow Range	1136 to 2839 Litre/min	Max. Torque (Nm)		19076	19076	21205
RPG	0.119 rev/litre	Stall Diff. Press. (kPa)		25166	25166	27924
Speed Range	135 to 338 RPM	Stall Torque (Nm)		28621	28621	31807
Off Bottom Press.	1524 kPa	Max. Recommended (kW)		615	615	684
		kPa Per Stage		1551	1551	1724
		kPa Per Cavity		283	283	310
		Temperature Slope (mm/°C)		0.0148	0.0156	0.0156



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