

## POWER SECTION

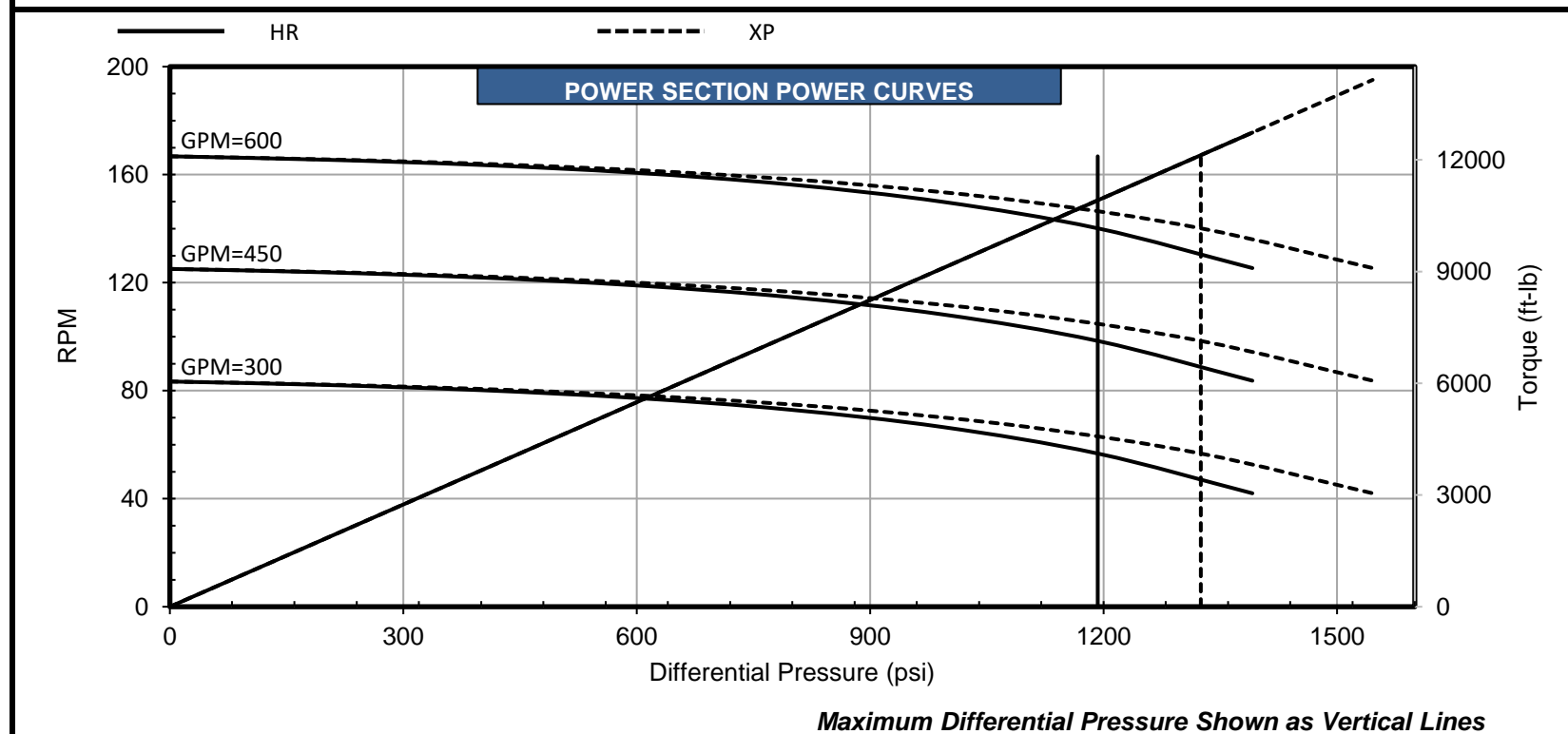
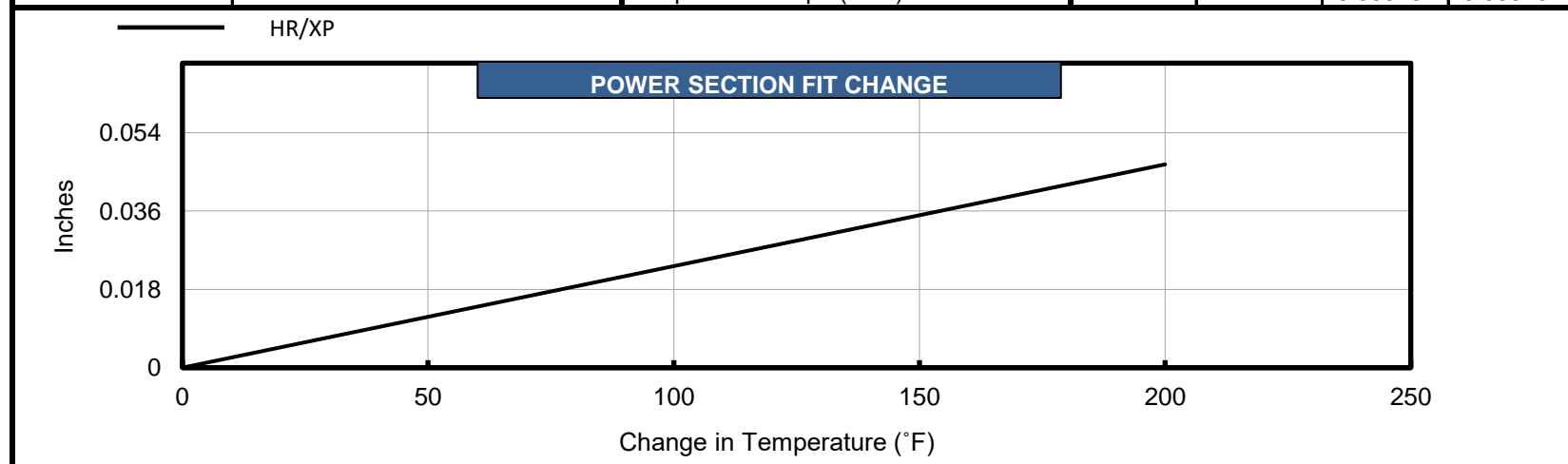
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard				
1 Oversize			4.020	4.020*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard				
1 Oversize			-0.012	-0.012*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	197.4	Overall Length	232.0
Contour Length	191.0	Rubber Cutback #1**	8.0
Eccentricity	0.256	Rubber Cutback #2**	21.0
Major Diameter	4.520	Tube O.D.	6.50
Head Diameter	4.510	Tube I.D.	5.40
Weight (lb)	660	Weight (lb)	762
Material	17-4SS	Number of Stages	5.3
Thread Form**	2 7/8 IF		

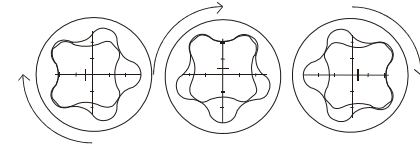
\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	9.150 ft-lb/psi	Max. Diff. Press. (psi)			1190	1330
Flow Range	300 to 600 GPM	Max. Torque (ft-lb)			10910	12120
RPG	0.278 rev/gal	Stall Diff. Press. (psi)			1790	1990
Speed Range	83 to 167 RPM	Stall Torque (ft-lb)			16370	18190
Off Bottom Press.	116 psi	Max. Recommended (HP)			291	323
		PSI Per Stage			225	250
		PSI Per Cavity			34	37
		Temperature Slope (in/°F)			0.000234	0.000234



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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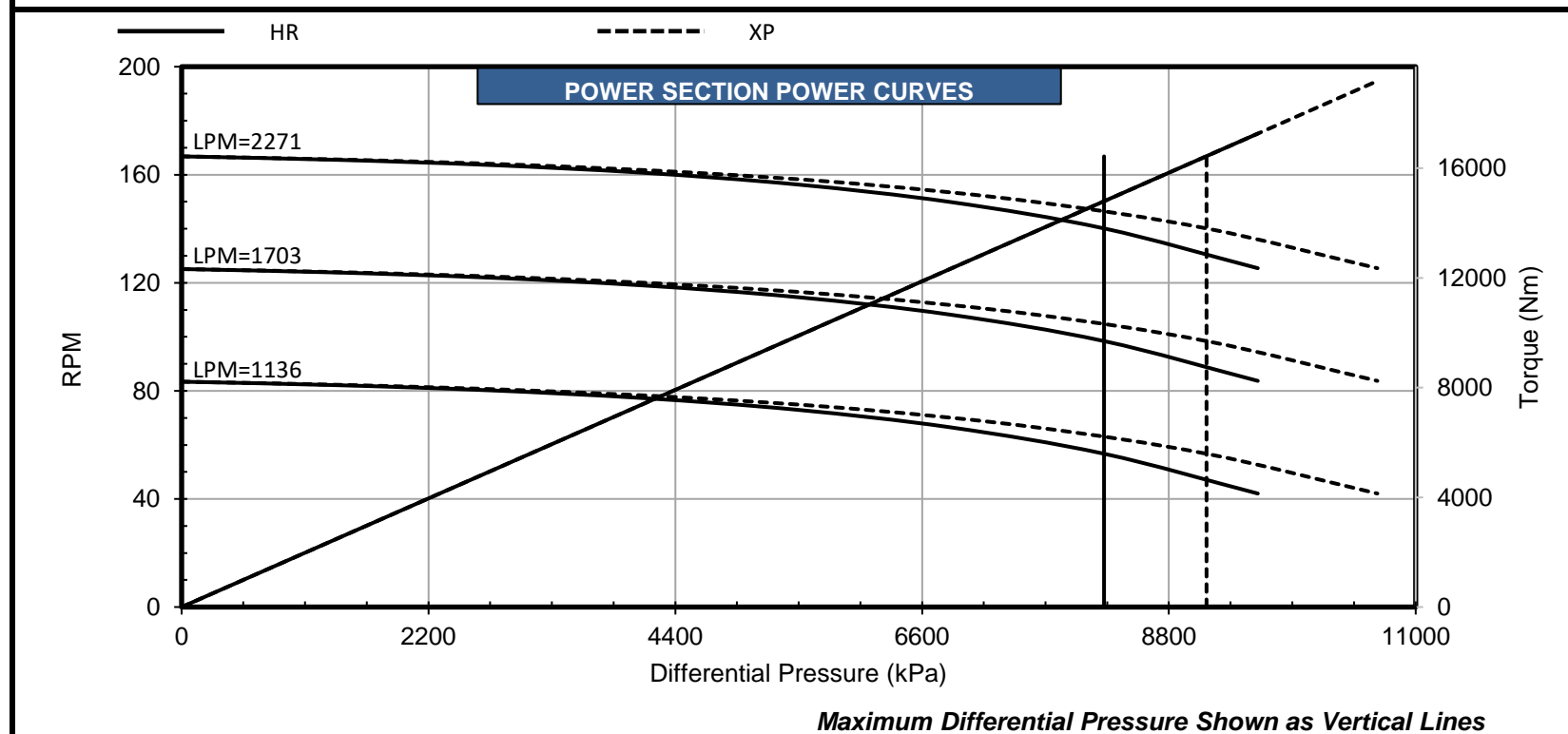
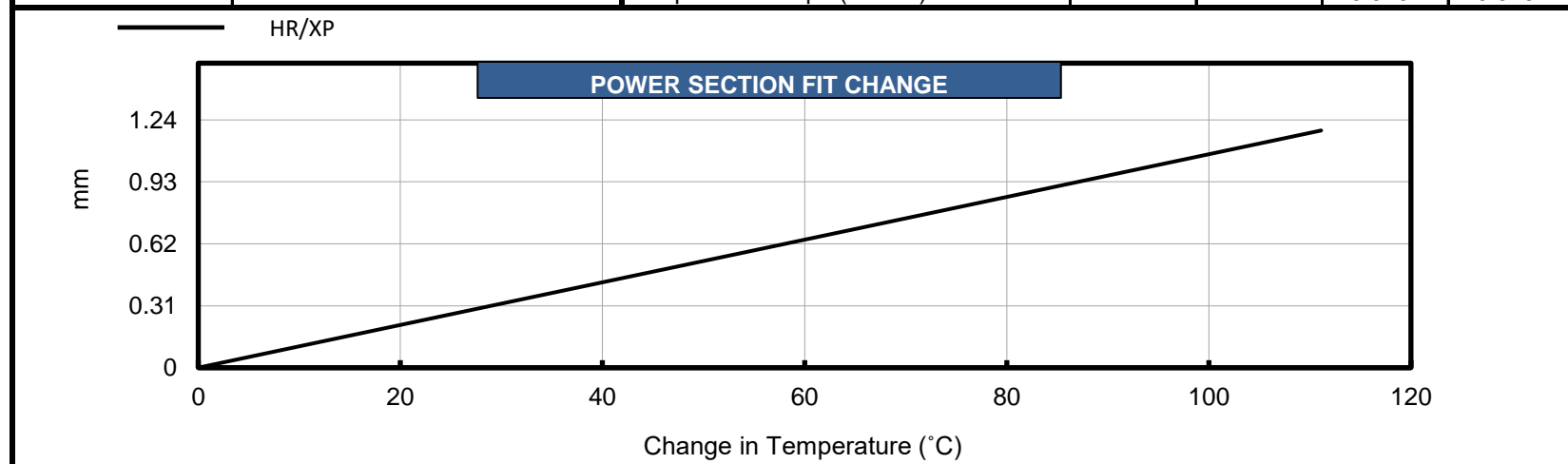
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard				
1 Oversize			102.11	102.11*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard				
1 Oversize			-0.30	-0.30*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5014.0	Overall Length	5892.8
Contour Length	4851.4	Rubber Cutback #1**	203.2
Eccentricity	6.50	Rubber Cutback #2**	533.4
Major Diameter	114.81	Tube O.D.	165.1
Head Diameter	114.55	Tube I.D.	137.2
Weight (kg)	299	Weight (kg)	346
Material	17-4SS	Number of Stages	5.3
Thread Form**	2 7/8 IF		

\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.799 Nm/kPa	Max. Diff. Press. (kPa)			8205	9170
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)			14792	16433
RPG	0.073 rev/litre	Stall Diff. Press. (kPa)			12342	13721
Speed Range	83 to 167 RPM	Stall Torque (Nm)			22195	24662
Off Bottom Press.	800 kPa	Max. Recommended (kW)			217	241
		kPa Per Stage			1551	1724
		kPa Per Cavity			234	255
		Temperature Slope (mm/°C)			0.0107	0.0107



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