



## POWER SECTION

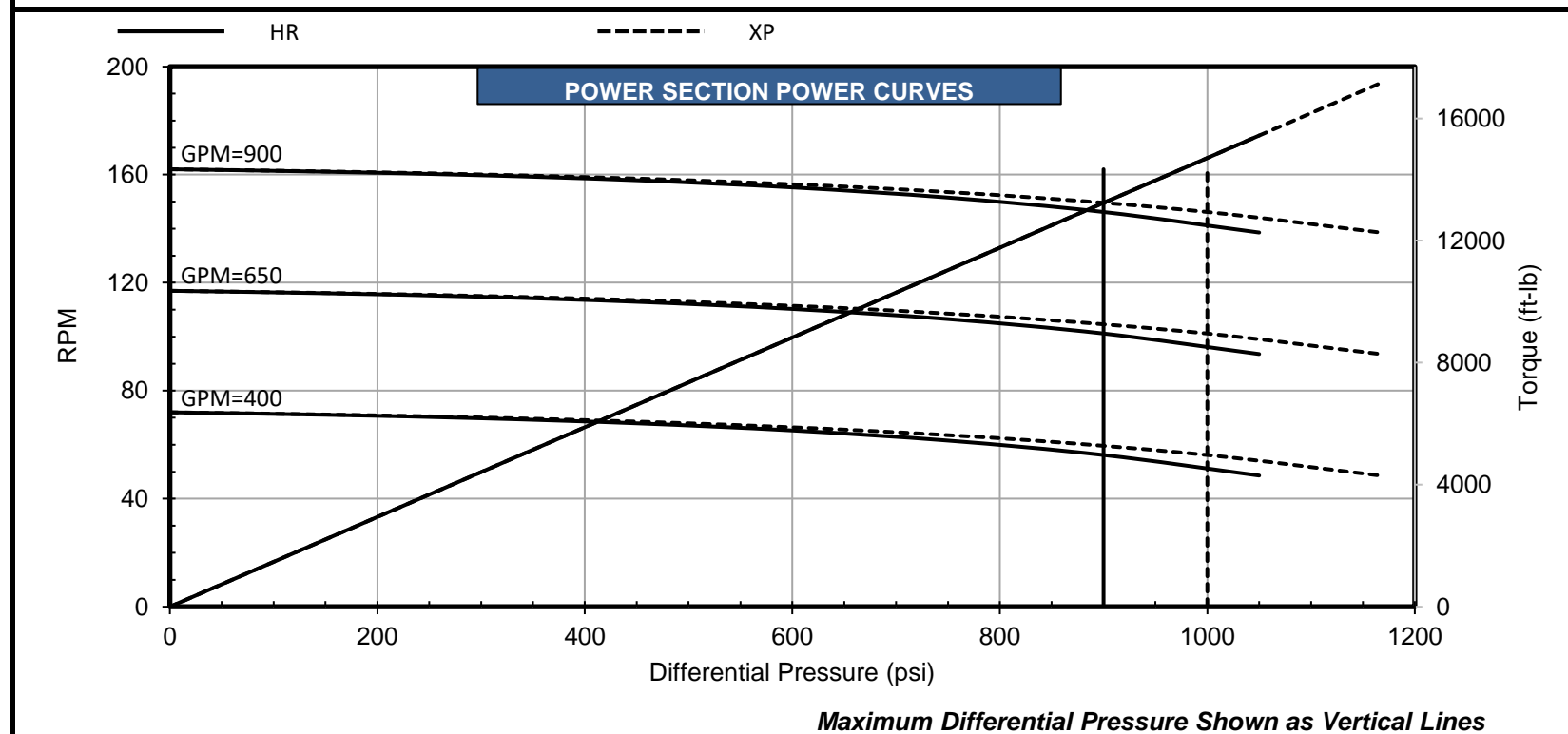
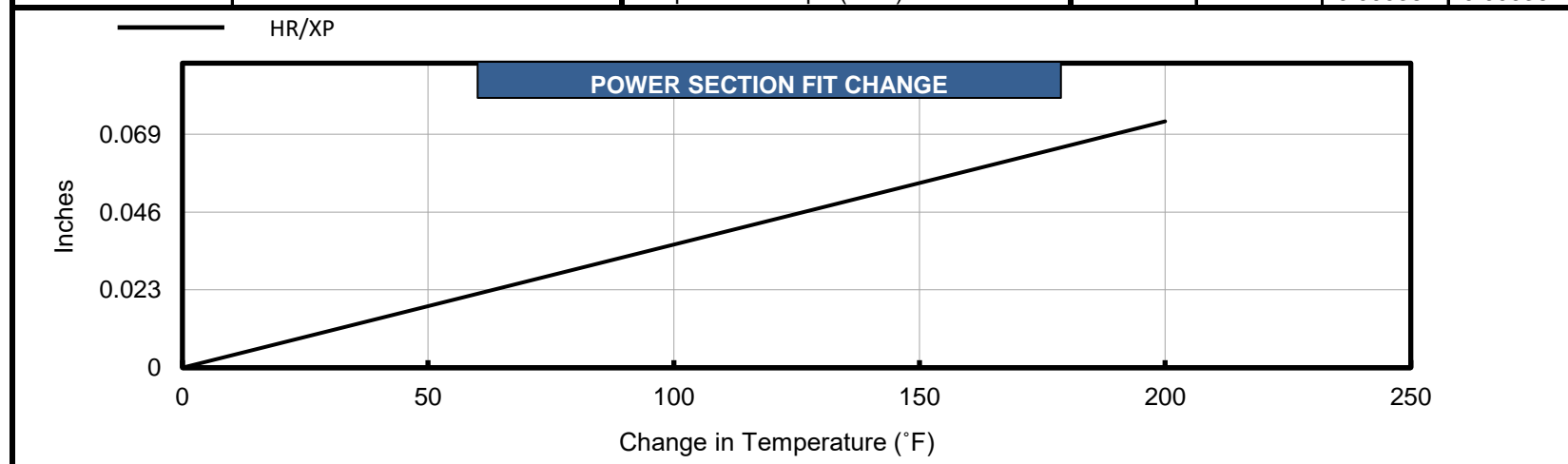
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			4.285	4.285*
1 Oversize			4.298	4.298*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.000	0.000*
1 Oversize			-0.013	-0.013*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	199.0	Overall Length	206.0
Contour Length	192.5	Rubber Cutback #1**	9.0
Eccentricity	0.337	Rubber Cutback #2**	9.0
Major Diameter	4.958	Tube O.D.	8.00
Head Diameter	4.750	Tube I.D.	6.25
Weight (lb)	747	Weight (lb)	1240
Material	17-4SS	Number of Stages	4.0
Thread Form**	3 1/2 API IF		

\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	14.707 ft-lb/psi	Max. Diff. Press. (psi)			900	1000
Flow Range	400 to 900 GPM	Max. Torque (ft-lb)			13240	14710
RPG	0.180 rev/gal	Stall Diff. Press. (psi)			1350	1500
Speed Range	72 to 162 RPM	Stall Torque (ft-lb)			19850	22060
Off Bottom Press.	117 psi	Max. Recommended (HP)			368	409
		PSI Per Stage			225	250
		PSI Per Cavity			41	45
		Temperature Slope (in/°F)			0.000364	0.000364



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.



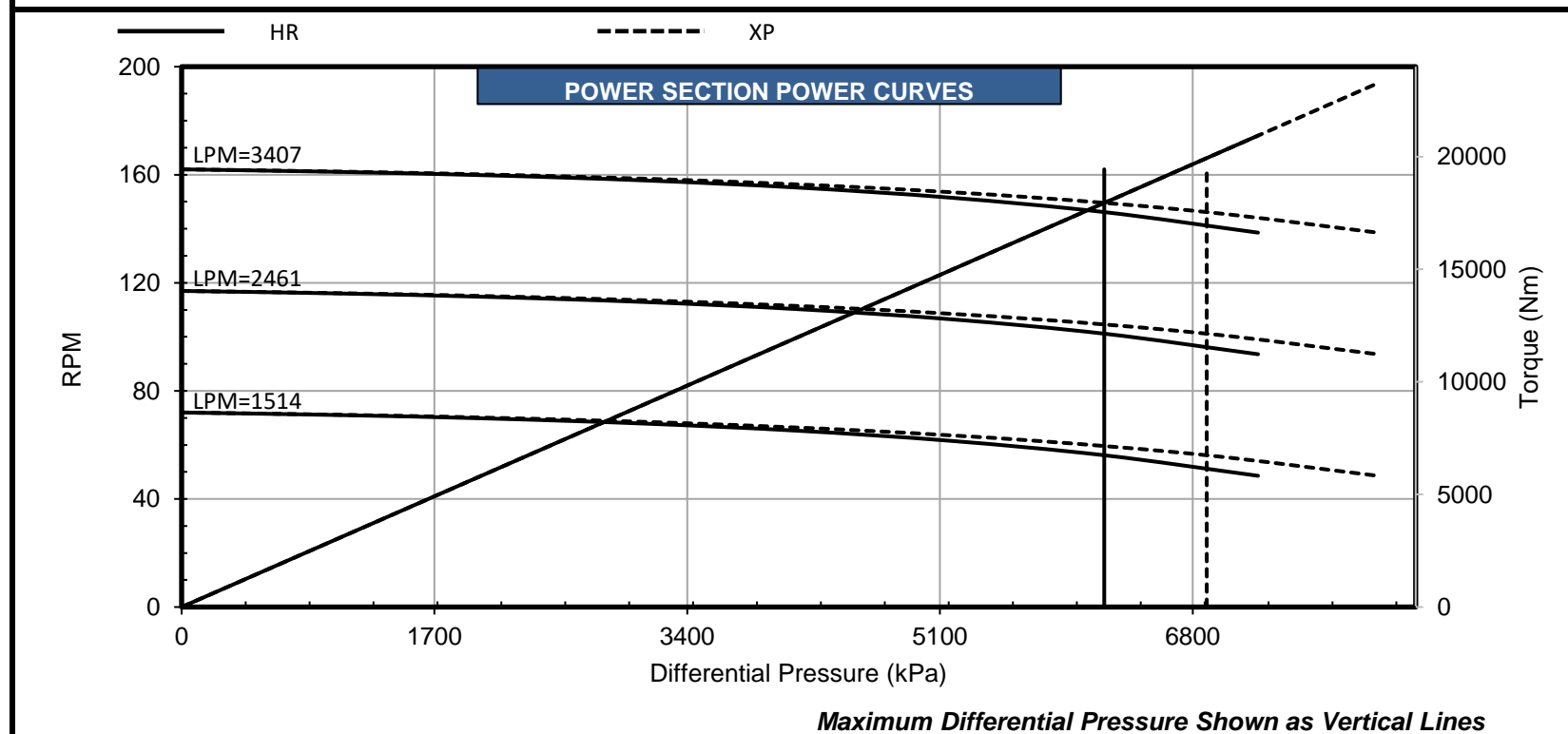
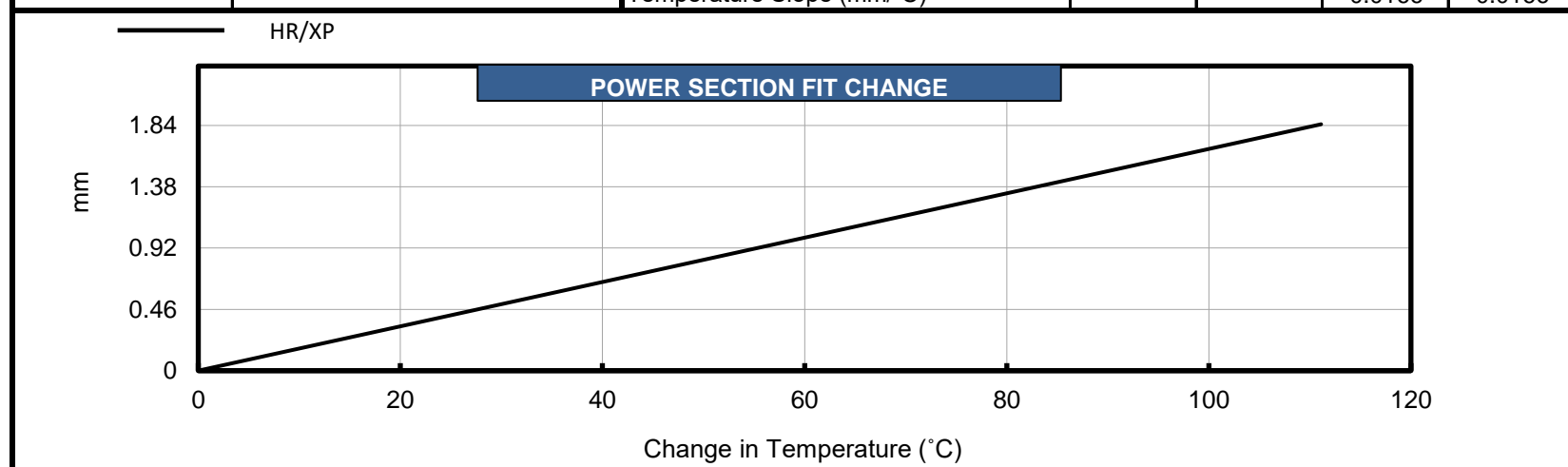
## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)		(mm)	
		XR	HR	XP				
1 Undersize					Overall Length	5054.6	Overall Length	5232.4
Standard			108.84	108.84*	Contour Length	4889.5	Rubber Cutback #1**	228.6
1 Oversize			109.17	109.17*	Eccentricity	8.55	Rubber Cutback #2**	228.6
2 Oversize					Major Diameter	125.93	Tube O.D.	203.2
Nominal Fit at 75°F					Head Diameter	120.65	Tube I.D.	158.8
1 Undersize					Weight (kg)	339	Weight (kg)	562
Standard			0.00	0.00*	Material	17-4SS	Number of Stages	4.0
1 Oversize			-0.33	-0.33*	Thread Form**	3 1/2 API IF		
2 Oversize								

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	2.892 Nm/kPa	Max. Diff. Press. (kPa)			6205	6895
Flow Range	1514 to 3407 Litre/min	Max. Torque (Nm)			17951	19944
RPG	0.048 rev/litre	Stall Diff. Press. (kPa)			9308	10342
Speed Range	72 to 162 RPM	Stall Torque (Nm)			26913	29909
Off Bottom Press.	807 kPa	Max. Recommended (kW)			275	305
		kPa Per Stage			1551	1724
		kPa Per Cavity			283	310
		Temperature Slope (mm/°C)			0.0166	0.0166



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.