

## POWER SECTION

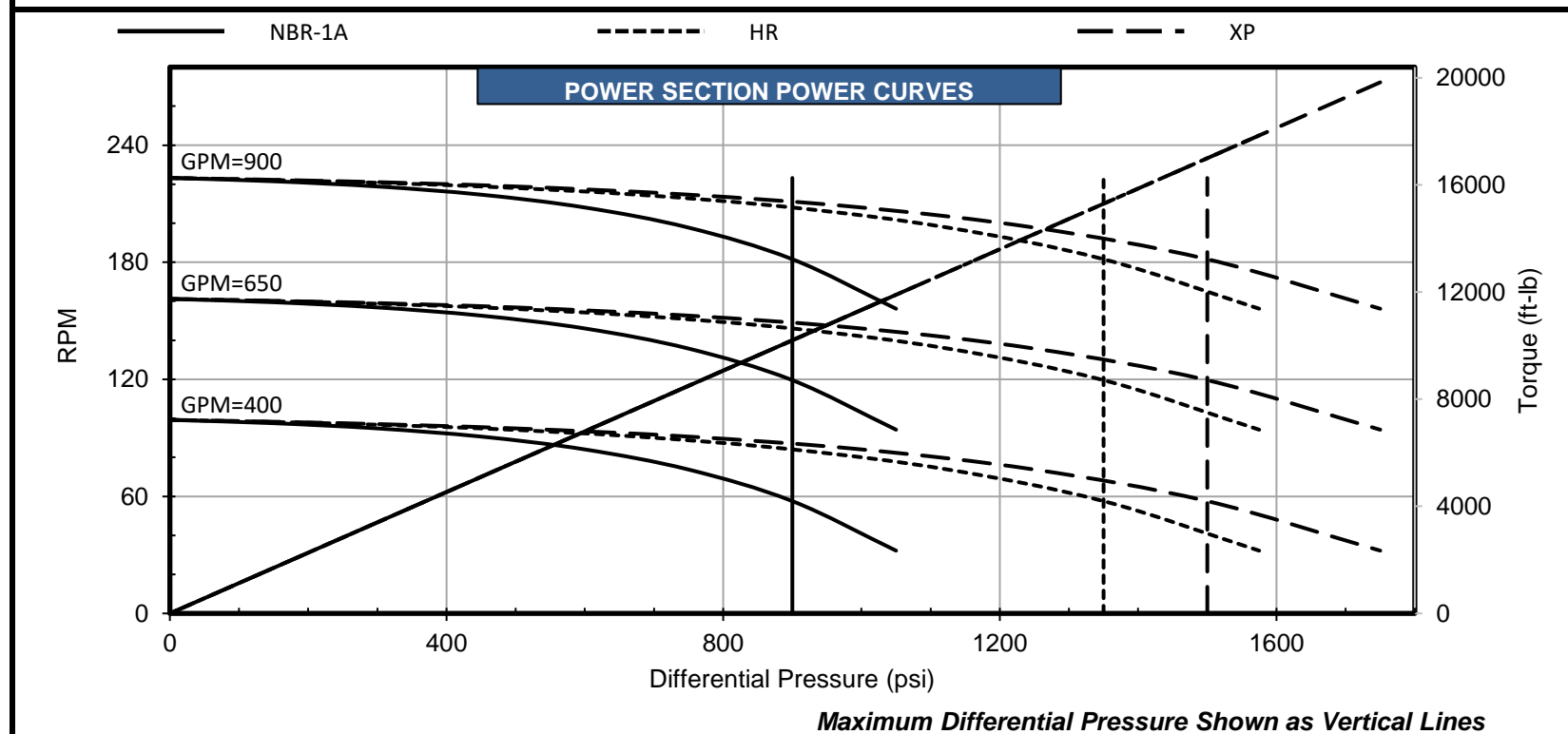
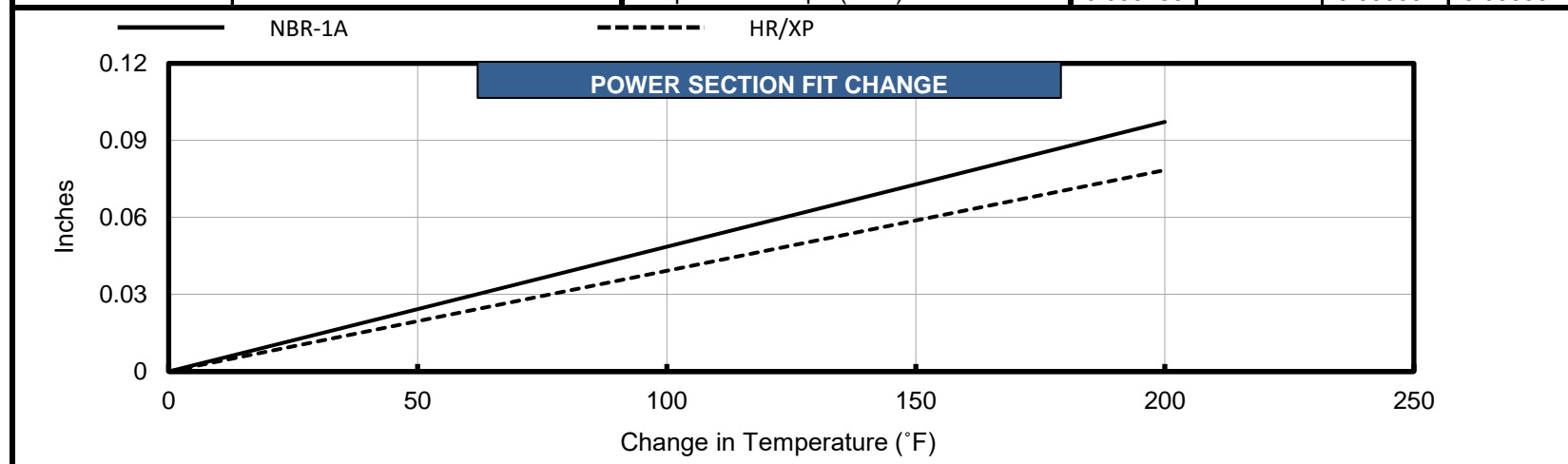
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	4.445		4.419	4.419*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	-0.031		-0.005	-0.005*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	223.0	Overall Length	234.0
Contour Length	214.0	Rubber Cutback #1**	11.0
Eccentricity	0.377	Rubber Cutback #2**	11.0
Major Diameter	5.167	Tube O.D.	8.00
Head Diameter	4.750	Tube I.D.	6.50
Weight (lb)	934	Weight (lb)	1247
Material	17-4SS	Number of Stages	6.0
Thread Form**	3 1/2 API IF		

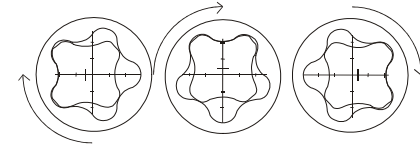
\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	11.333 ft-lb/psi	Max. Diff. Press. (psi)	900		1350	1500
Flow Range	400 to 900 GPM	Max. Torque (ft-lb)	10200		15300	17000
RPG	0.248 rev/gal	Stall Diff. Press. (psi)	1350		2030	2250
Speed Range	99 to 223 RPM	Stall Torque (ft-lb)	15300		22950	25500
Off Bottom Press.	157 psi	Max. Recommended (HP)	353		529	588
		PSI Per Stage	150		225	250
		PSI Per Cavity	29		44	48
		Temperature Slope (in/°F)	0.000486		0.000392	0.000392



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

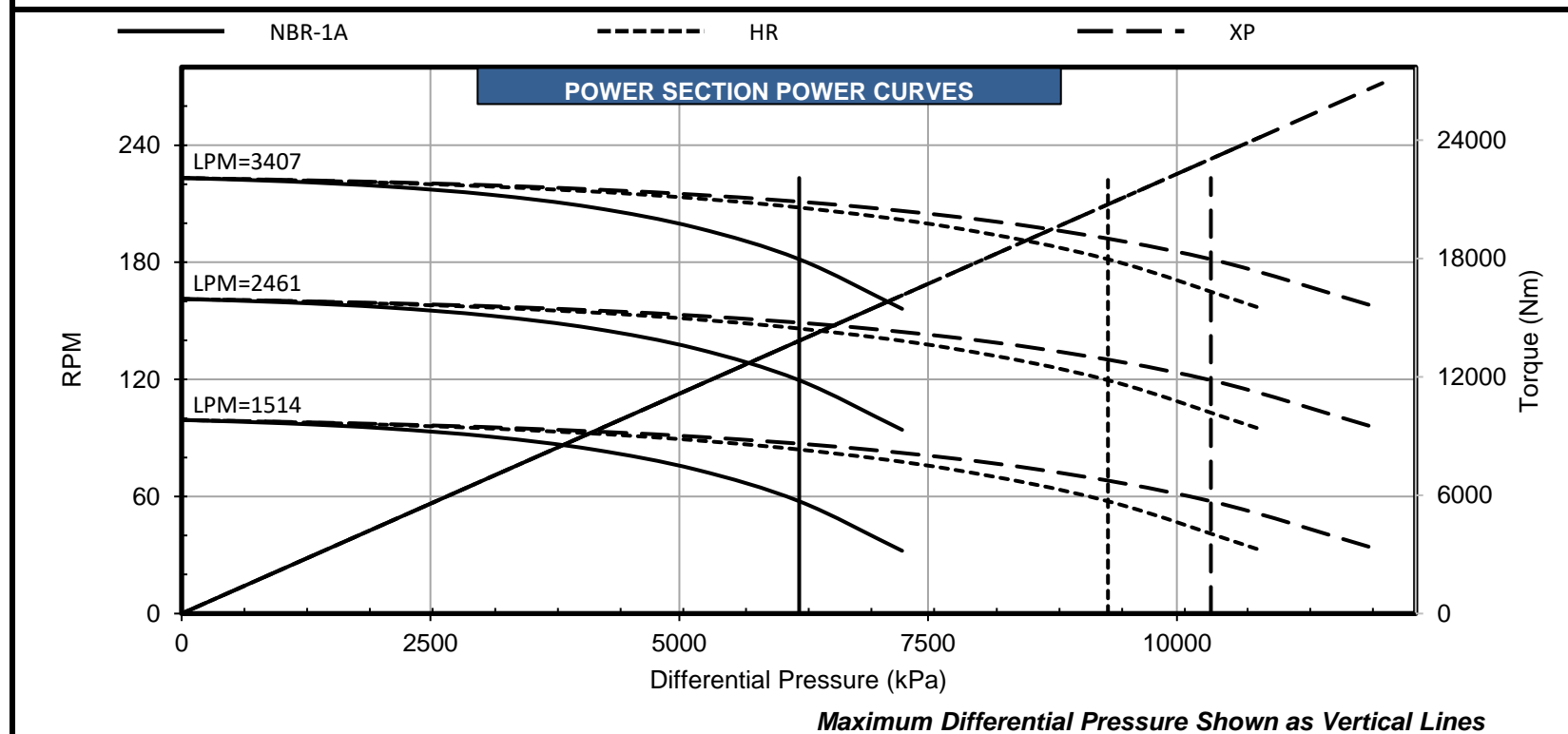
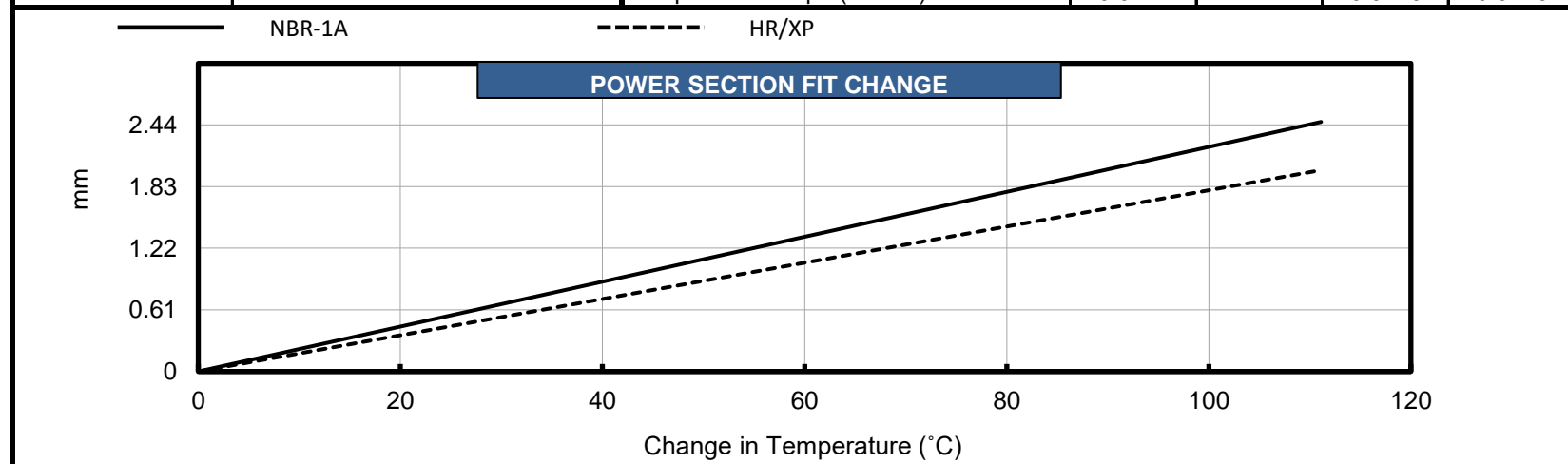
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	112.90		112.24	112.24*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	-0.79		-0.13	-0.13*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5664.2	Overall Length	5943.6
Contour Length	5435.6	Rubber Cutback #1**	279.4
Eccentricity	9.56	Rubber Cutback #2**	279.4
Major Diameter	131.24	Tube O.D.	203.2
Head Diameter	120.65	Tube I.D.	165.1
Weight (kg)	424	Weight (kg)	566
Material	17-4SS	Number of Stages	6.0
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	2.229 Nm/kPa	6205		9308	10342
Flow Range	1514 to 3407 Litre/min	13829		20744	23049
RPG	0.066 rev/litre	9308		13996	15513
Speed Range	99 to 223 RPM	20744		31116	34573
Off Bottom Press.	1082 kPa	263		395	438
		kPa Per Stage	1034	1551	1724
		kPa Per Cavity	200	303	331
		Temperature Slope (mm/°C)	0.0222	0.0179	0.0179



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.