



POWER SECTION

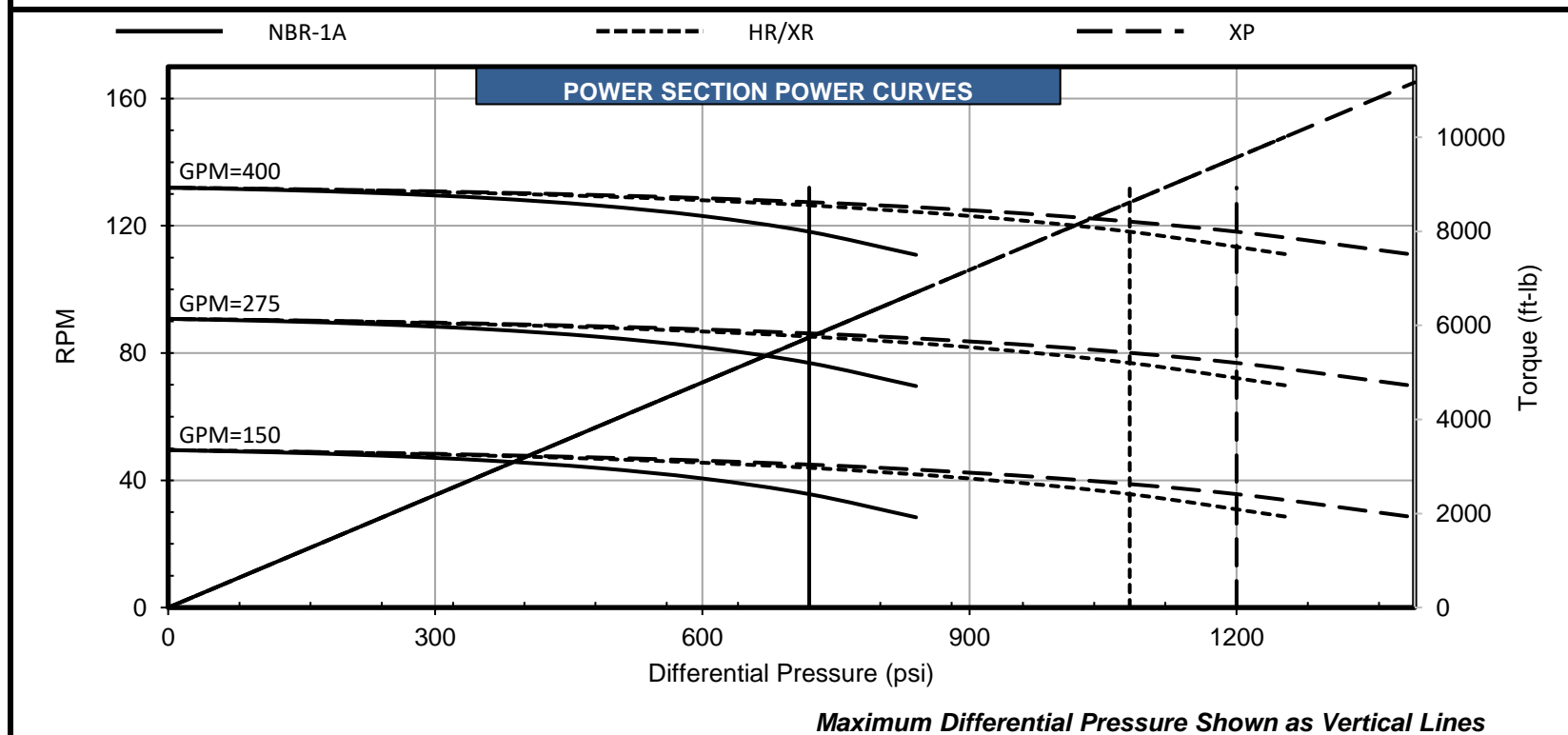
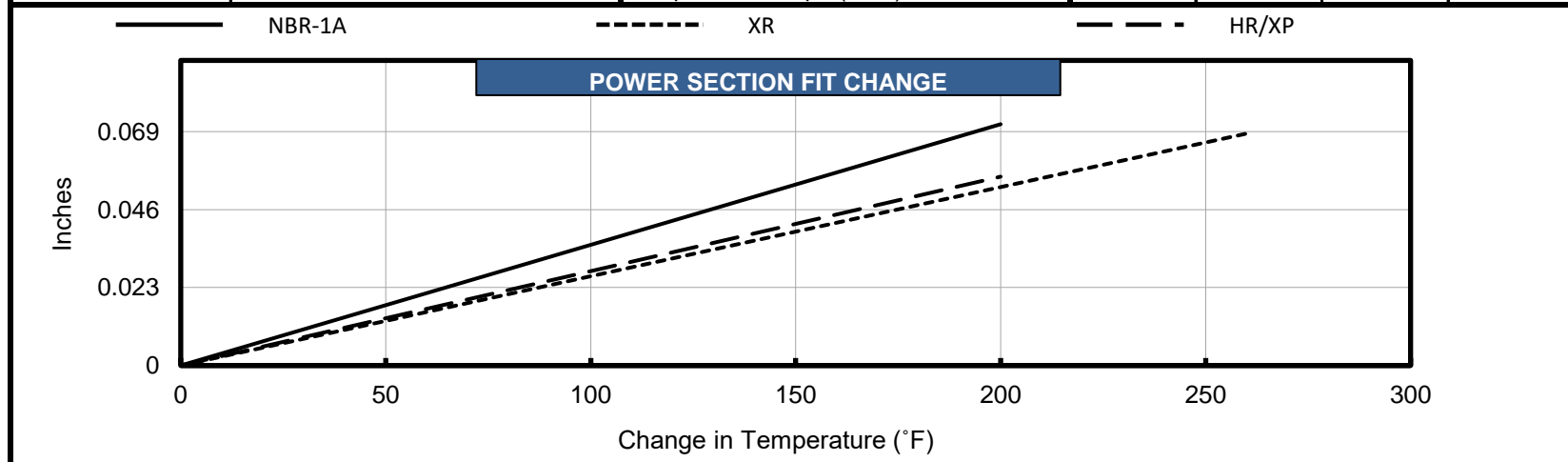
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	3.501	3.520*	3.520	3.520*
1 Oversize	3.529		3.547	3.547*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.027	0.008*	0.008	0.008*
1 Oversize	-0.001		-0.019	-0.019*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	194.3	Overall Length	203.5
Contour Length	187.8	Rubber Cutback #1**	8.0
Eccentricity	0.226	Rubber Cutback #2**	8.0
Major Diameter	3.980	Tube O.D.	6.50
Head Diameter	3.500	Tube I.D.	5.00
Weight (lb)	497	Weight (lb)	841
Material	17-4SS	Number of Stages	4.8
Thread Form**	2 3/8 API REG		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	7.977 ft-lb/psi	Max. Diff. Press. (psi)	720	1080	1080	1200
Flow Range	150 to 400 GPM	Max. Torque (ft-lb)	5740	8620	8620	9570
RPG	0.330 rev/gal	Stall Diff. Press. (psi)	1080	1620	1620	1800
Speed Range	50 to 132 RPM	Stall Torque (ft-lb)	8620	12920	12920	14360
Off Bottom Press.	88 psi	Max. Recommended (HP)	129	194	194	215
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	23	34	34	38
		Temperature Slope (in/°F)	0.000356	0.000263	0.000279	0.000279



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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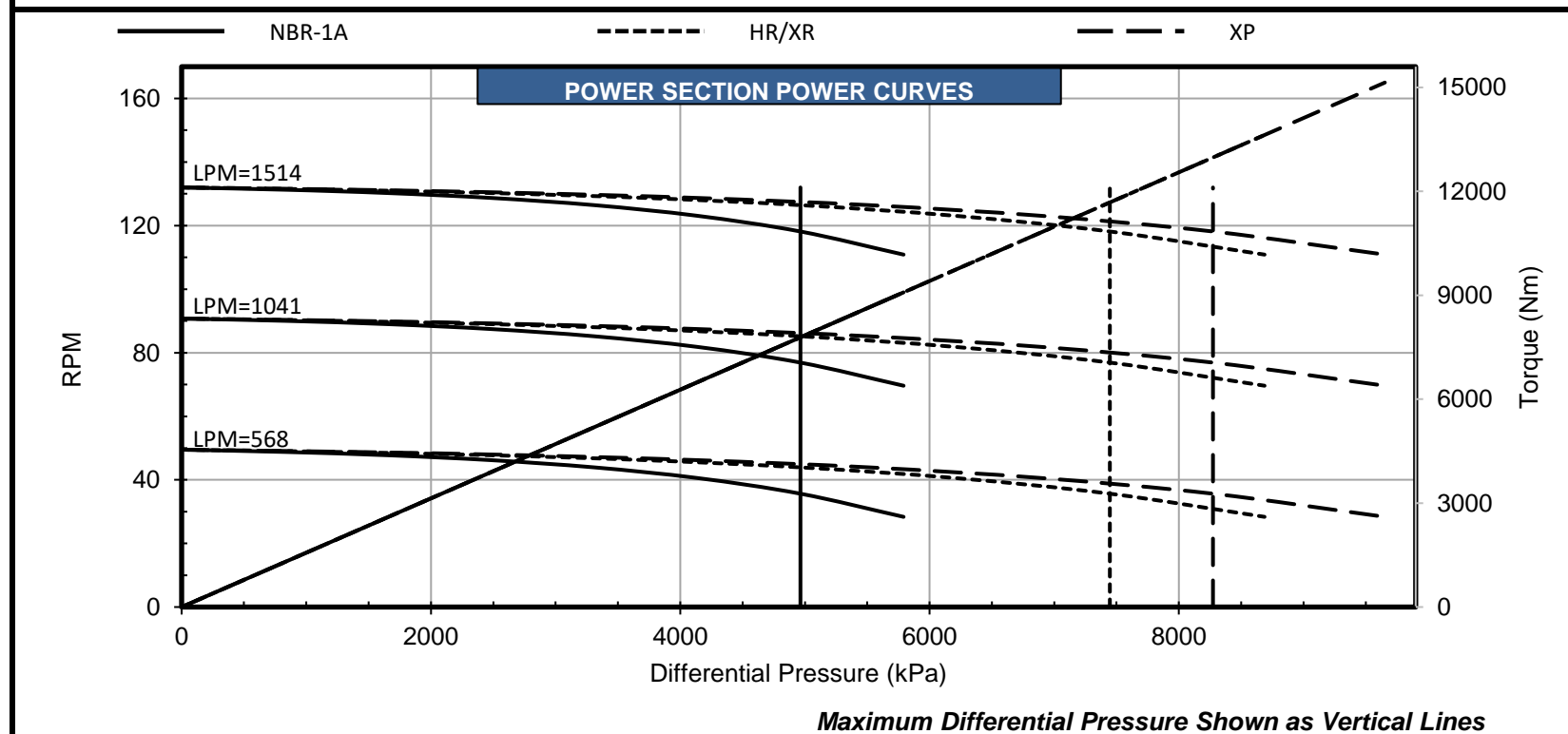
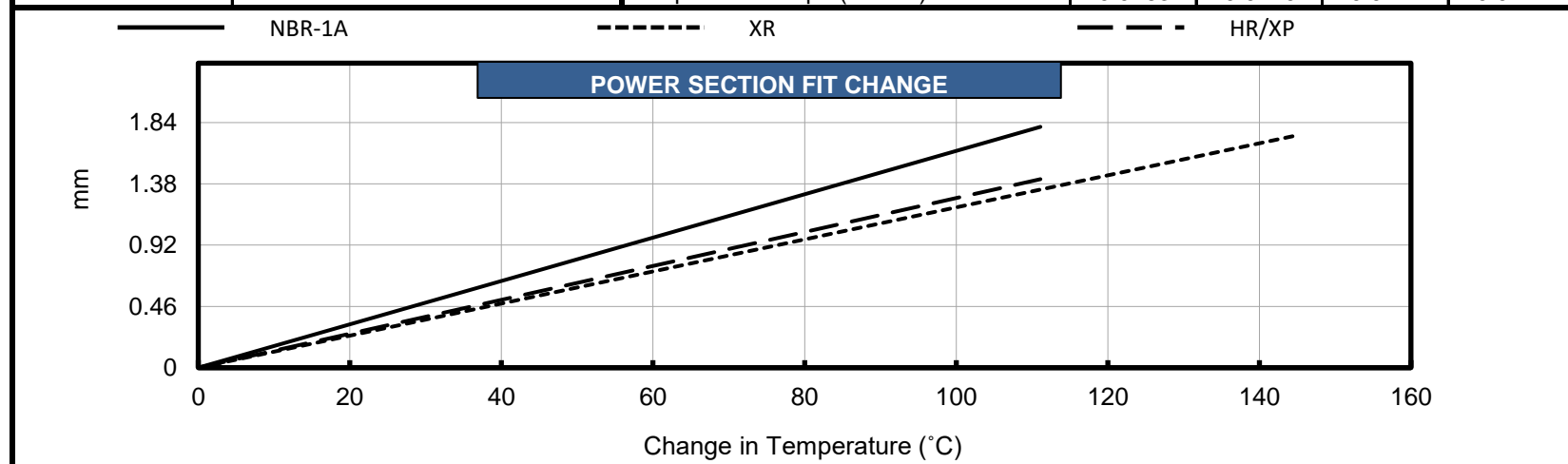
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	88.93	89.41*	89.41	89.41*
1 Oversize	89.64		90.09	90.09*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard	0.69	0.20*	0.20	0.20*
1 Oversize	-0.03		-0.48	-0.48*
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	4935.2	Overall Length	5168.9
Contour Length	4770.1	Rubber Cutback #1**	203.2
Eccentricity	5.74	Rubber Cutback #2**	203.2
Major Diameter	101.09	Tube O.D.	165.1
Head Diameter	88.90	Tube I.D.	127.0
Weight (kg)	225	Weight (kg)	381
Material	17-4SS	Number of Stages	4.8
Thread Form**	2 3/8 API REG		

*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.569 Nm/kPa	Max. Diff. Press. (kPa)	4964	7446	7446	8274
Flow Range	568 to 1514 Litre/min	Max. Torque (Nm)	7782	11687	11687	12975
RPG	0.087 rev/litre	Stall Diff. Press. (kPa)	7446	11170	11170	12411
Speed Range	50 to 132 RPM	Stall Torque (Nm)	11687	17517	17517	19470
Off Bottom Press.	607 kPa	Max. Recommended (kW)	96	145	145	161
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	159	234	234	262
		Temperature Slope (mm/°C)	0.0163	0.0120	0.0127	0.0127



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.