



## POWER SECTION

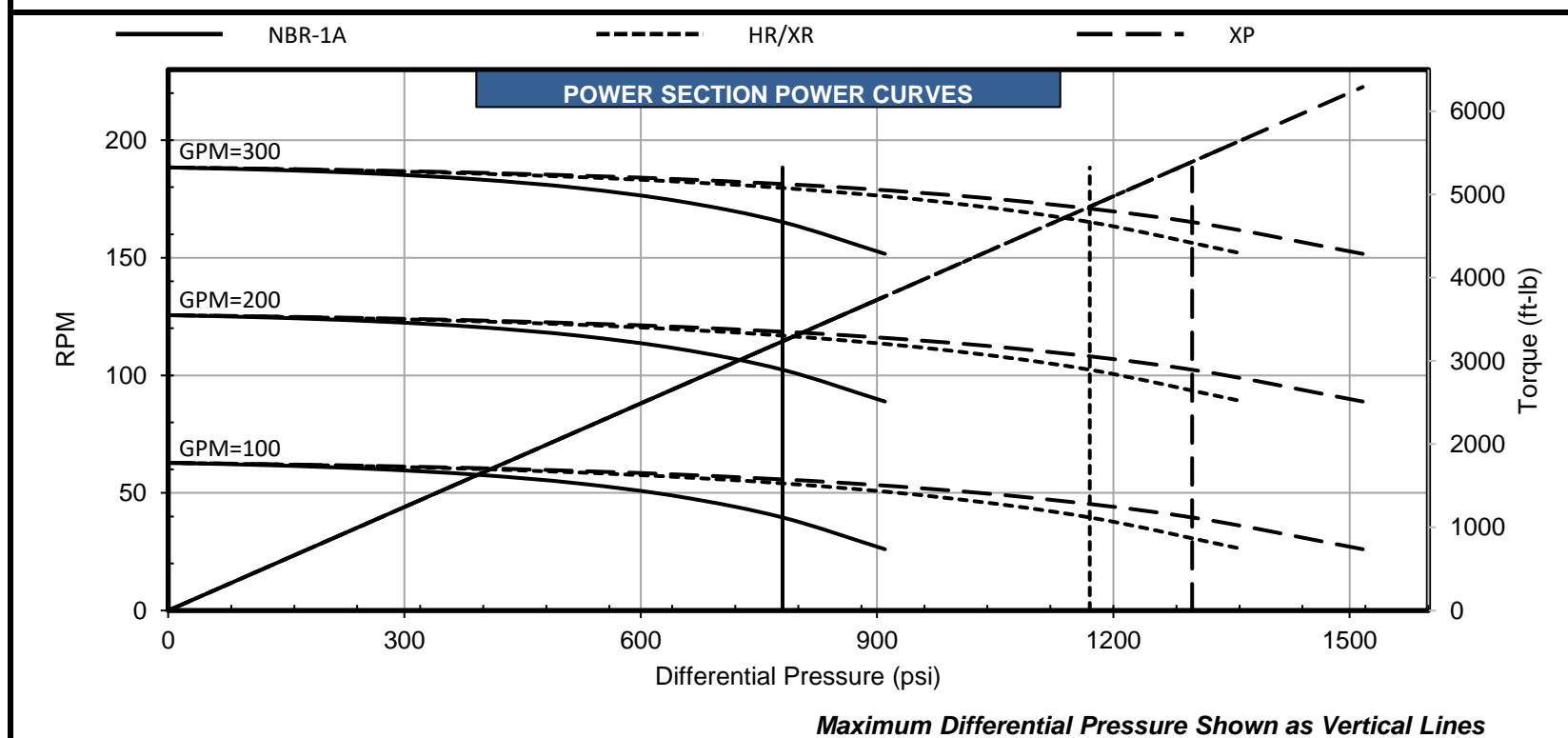
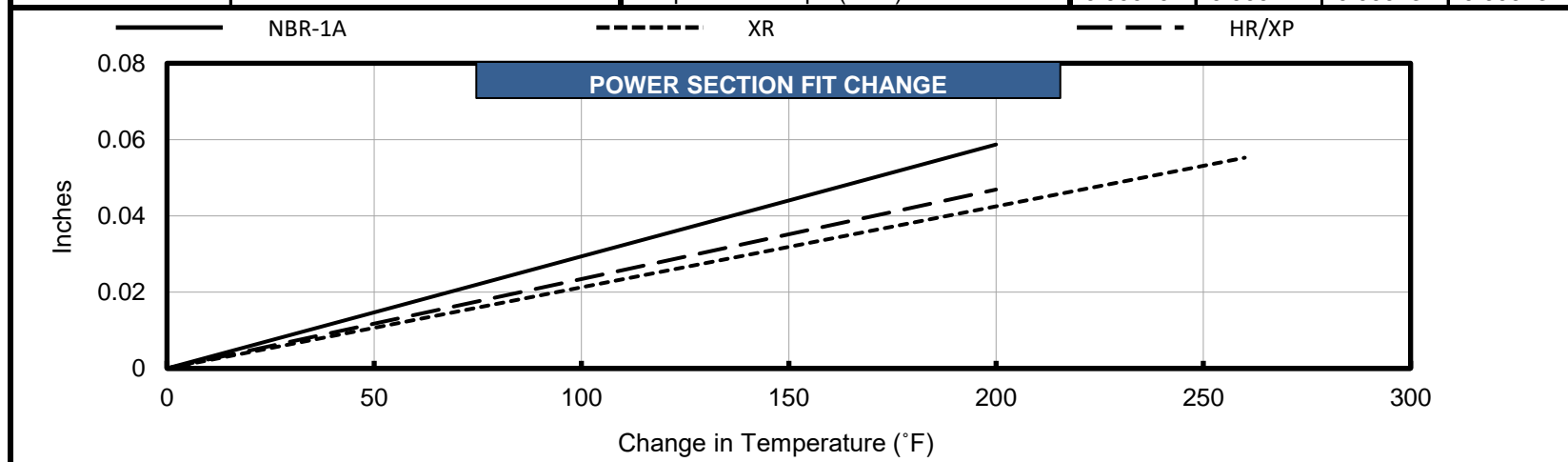
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			2.503	2.503*
Standard	2.513			
1 Oversize		2.554		
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.029	0.029*
Standard	0.019			
1 Oversize		-0.022		
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	233.0	Overall Length	246.0
Contour Length	226.5	Rubber Cutback #1**	7.0
Eccentricity	0.209	Rubber Cutback #2**	13.0
Major Diameter	2.951	Tube O.D.	5.00
Head Diameter	3.130	Tube I.D.	3.75
Weight (lb)	332	Weight (lb)	640
Material	17-4SS	Number of Stages	5.2
Thread Form**	2 3/8 PAC		

\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	4.148 ft-lb/psi	Max. Diff. Press. (psi)	780	1170	1170	1300
Flow Range	100 to 300 GPM	Max. Torque (ft-lb)	3240	4850	4850	5390
RPG	0.628 rev/gal	Stall Diff. Press. (psi)	1170	1760	1760	1950
Speed Range	63 to 188 RPM	Stall Torque (ft-lb)	4850	7280	7280	8090
Off Bottom Press.	92 psi	Max. Recommended (HP)	102	153	153	170
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	30	45	45	50
		Temperature Slope (in/°F)	0.000294	0.000212	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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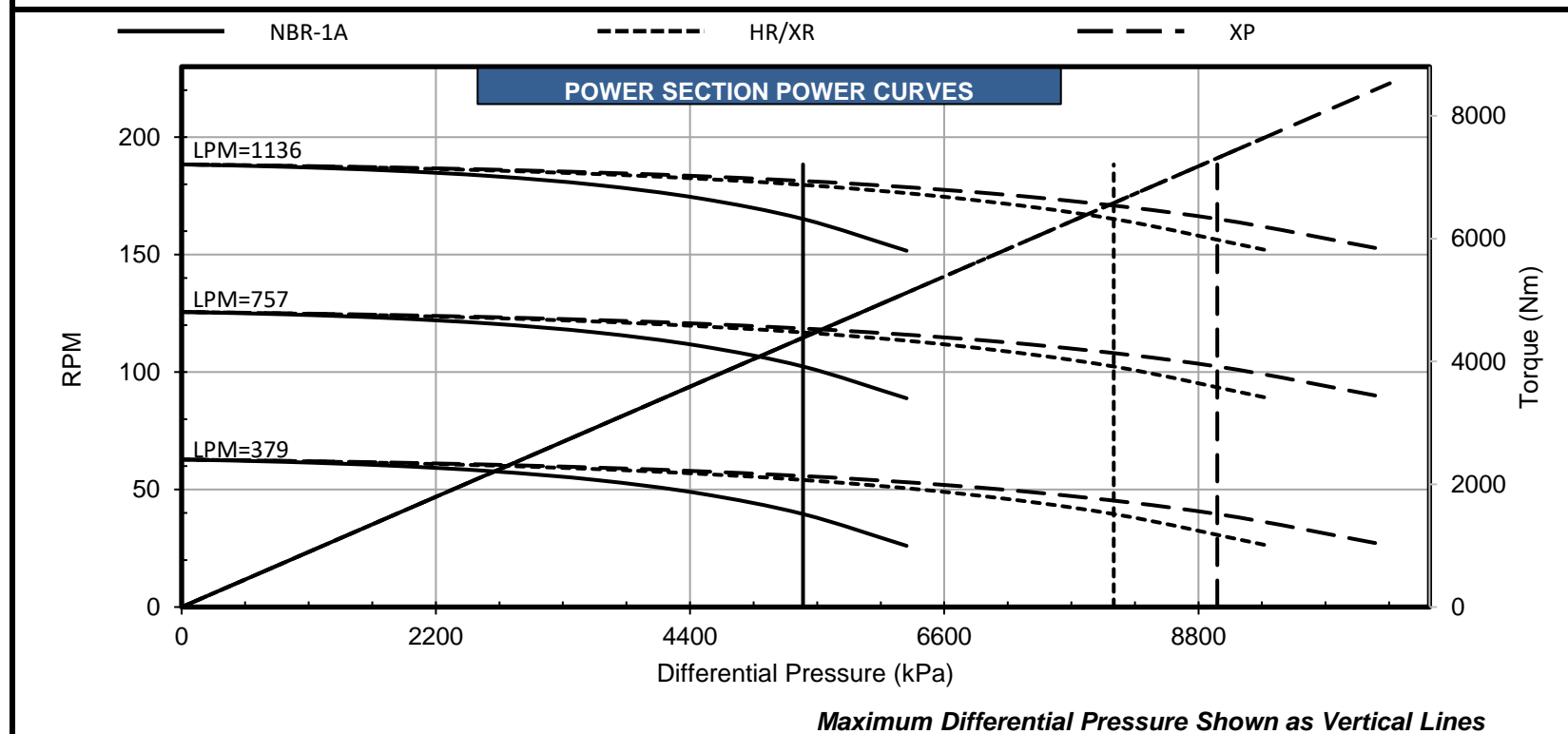
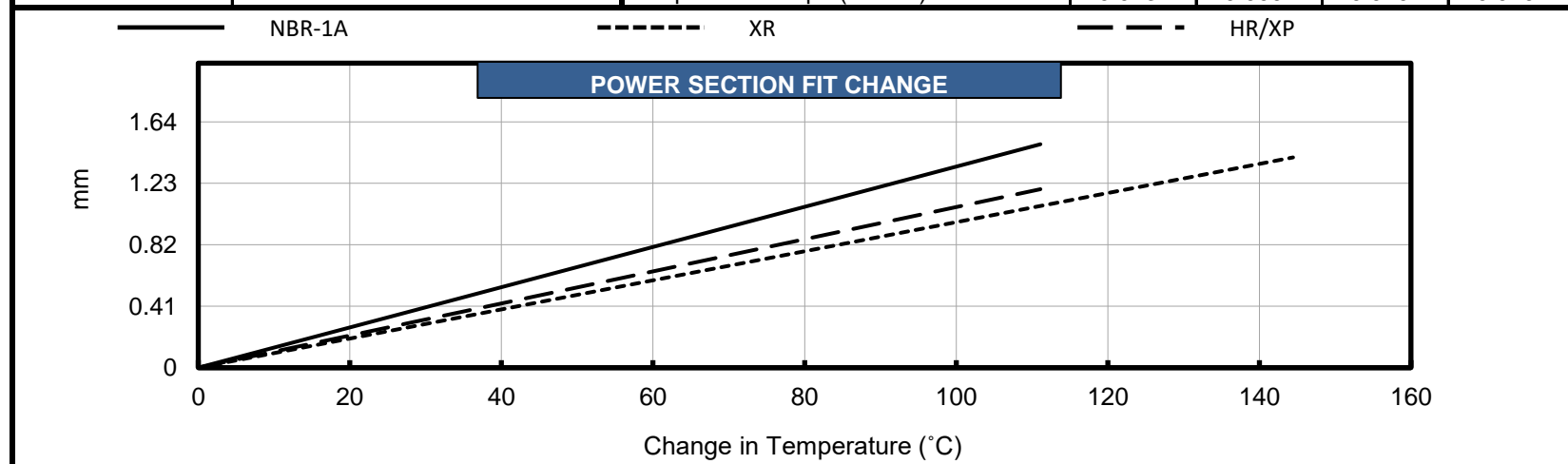
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			63.58	63.58*
Standard	63.83			
1 Oversize		64.87		
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.74	0.74*
Standard	0.48			
1 Oversize		-0.56		
2 Oversize				

\*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5918.2	Overall Length	6248.4
Contour Length	5753.1	Rubber Cutback #1**	177.8
Eccentricity	5.31	Rubber Cutback #2**	330.2
Major Diameter	74.96	Tube O.D.	127.0
Head Diameter	79.50	Tube I.D.	95.3
Weight (kg)	151	Weight (kg)	290
Material	17-4SS	Number of Stages	5.2
Thread Form**	2 3/8 PAC		

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	0.816 Nm/kPa	Max. Diff. Press. (kPa)	5378	8067	8067	8963
Flow Range	379 to 1136 Litre/min	Max. Torque (Nm)	4393	6576	6576	7308
RPG	0.166 rev/litre	Stall Diff. Press. (kPa)	8067	12135	12135	13445
Speed Range	63 to 188 RPM	Stall Torque (Nm)	6576	9870	9870	10969
Off Bottom Press.	634 kPa	Max. Recommended (kW)	76	114	114	127
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	207	310	310	345
		Temperature Slope (mm/°C)	0.0134	0.0097	0.0107	0.0107



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.