

POWER SECTION

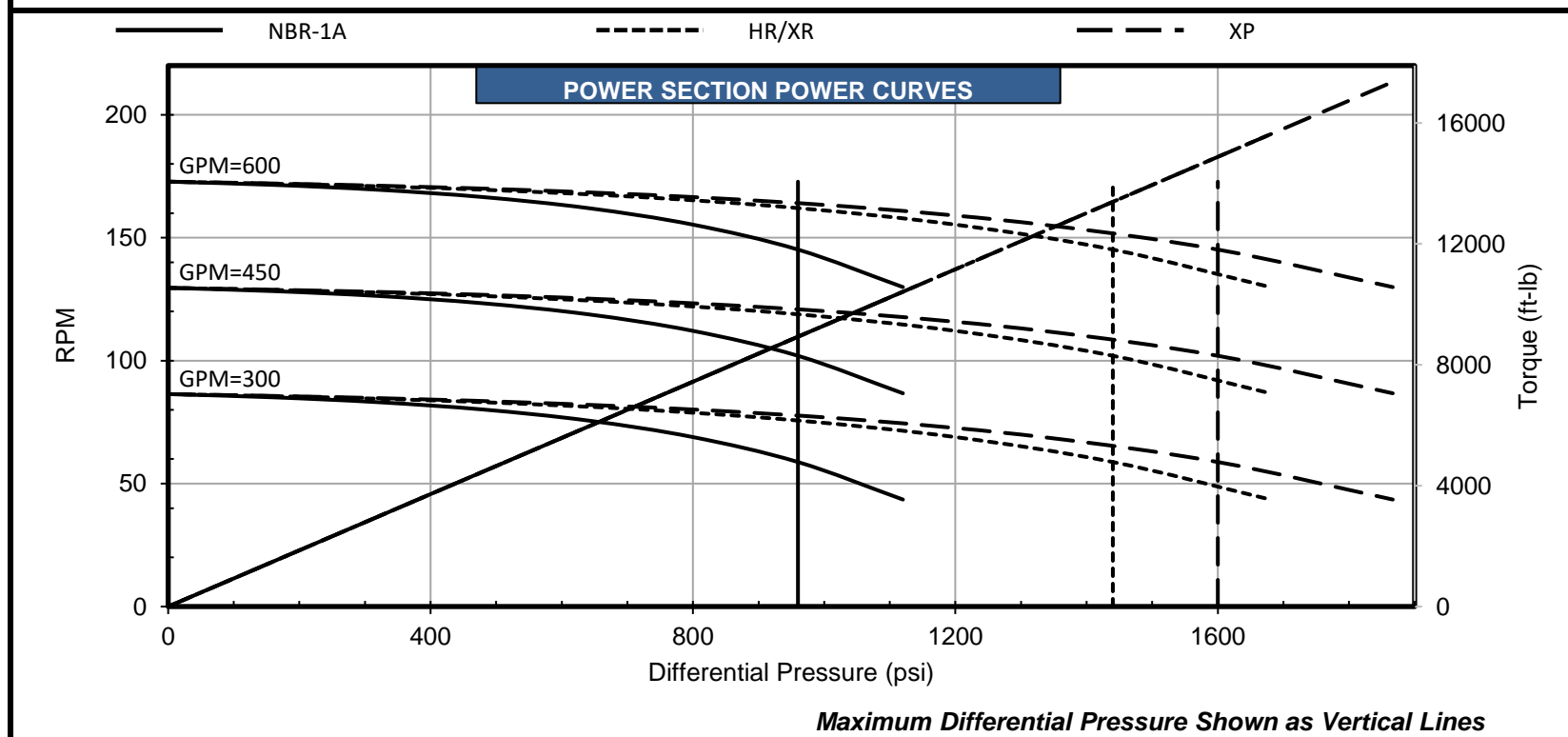
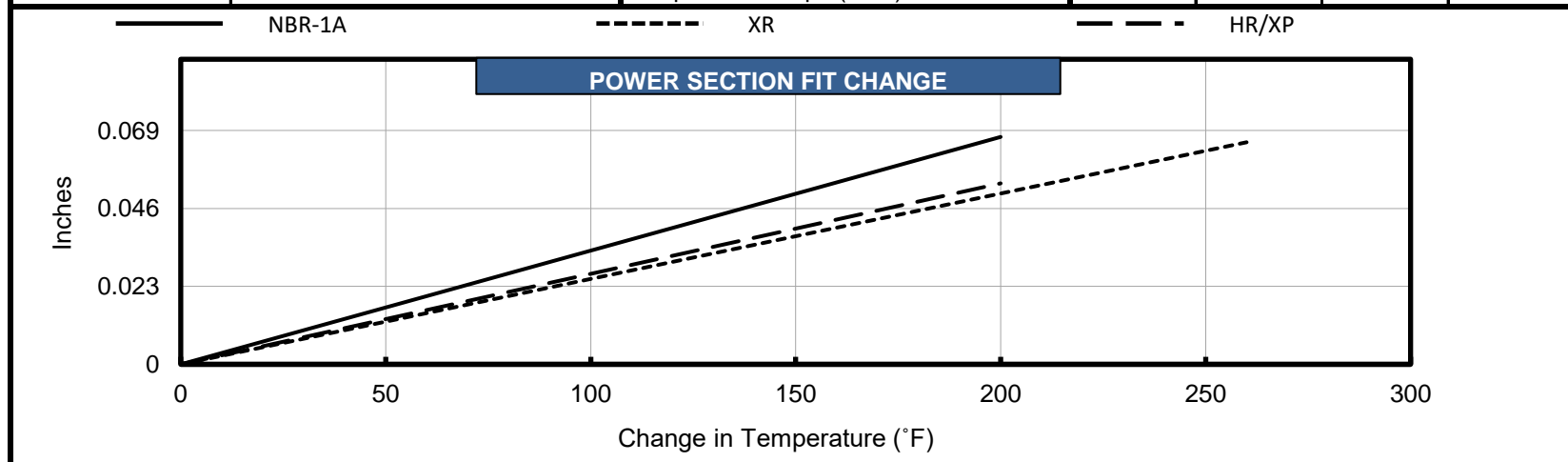
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
0.5 Undersize			3.986	3.986*
Standard		3.995*	3.995	3.990
0.5 Oversize			4.005	4.005*
1 Oversize	4.005		4.008	4.008*
2 Oversize		4.020*	4.020	4.020*
Nominal Fit at 75°F				
0.5 Undersize			0.022	0.022*
Standard		0.013*	0.013	0.018
0.5 Oversize			0.003	0.003*
1 Oversize	0.003		0.000	0.000*
2 Oversize		-0.012*	-0.012	-0.012*

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	238.7	Overall Length	245.3
Contour Length	232.0	Rubber Cutback #1**	7.3
Eccentricity	0.256	Rubber Cutback #2**	7.3
Major Diameter	4.520	Tube O.D.	6.50
Head Diameter	4.000	Tube I.D.	5.50
Weight (lb)	686	Weight (lb)	731
Material	17-4SS	Number of Stages	6.4
Thread Form**	2 7/8 API REG		

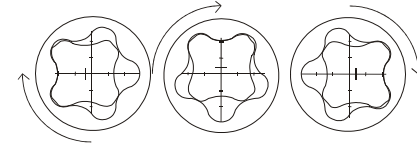
*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	9.300 ft-lb/psi	Max. Diff. Press. (psi)	960	1440	1440	1600
Flow Range	300 to 600 GPM	Max. Torque (ft-lb)	8930	13390	13390	14880
RPG	0.288 rev/gal	Stall Diff. Press. (psi)	1440	2160	2160	2400
Speed Range	86 to 173 RPM	Stall Torque (ft-lb)	13390	20090	20090	22320
Off Bottom Press.	140 psi	Max. Recommended (HP)	247	370	370	411
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	22	33	33	36
		Temperature Slope (in/°F)	0.000335	0.000252	0.000267	0.000267



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

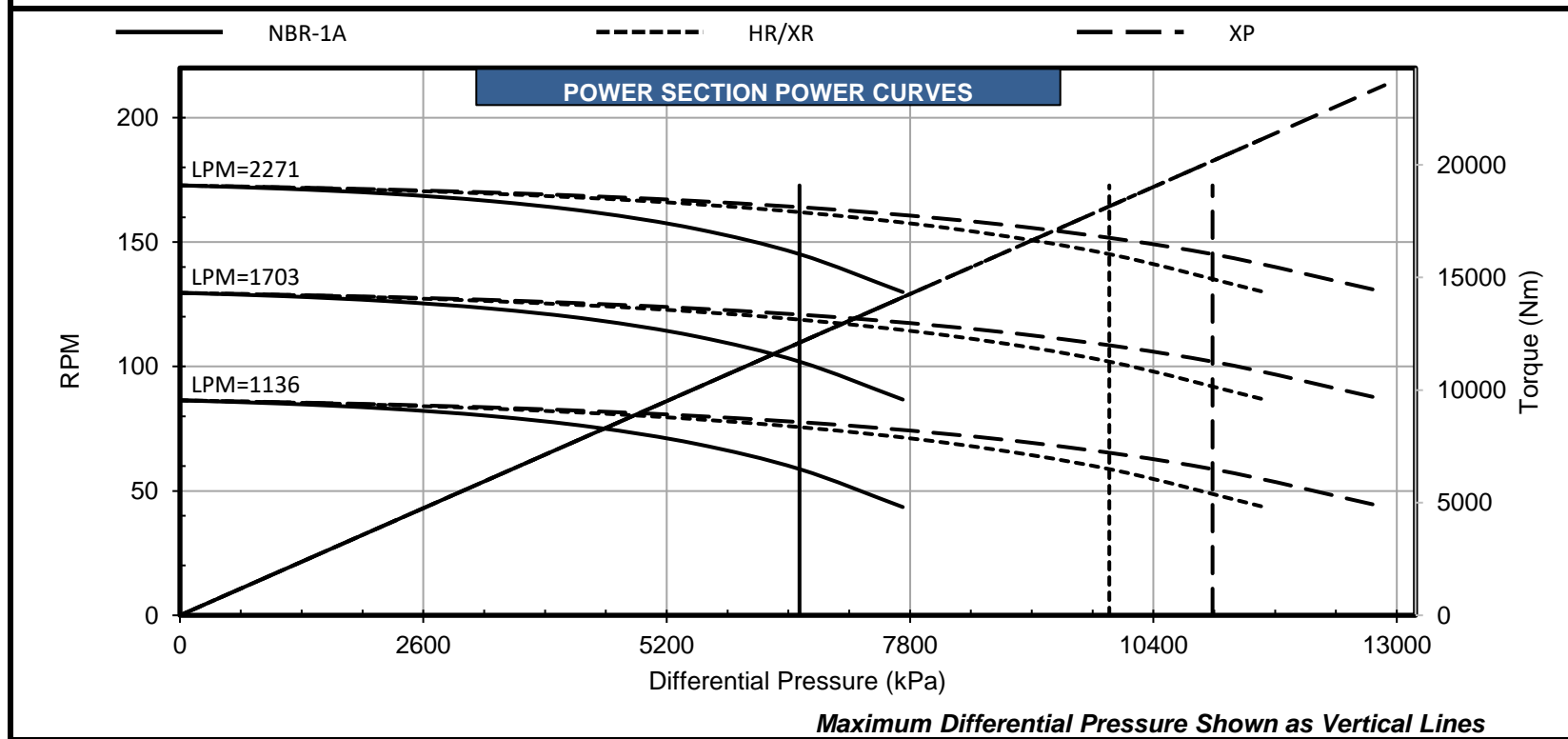
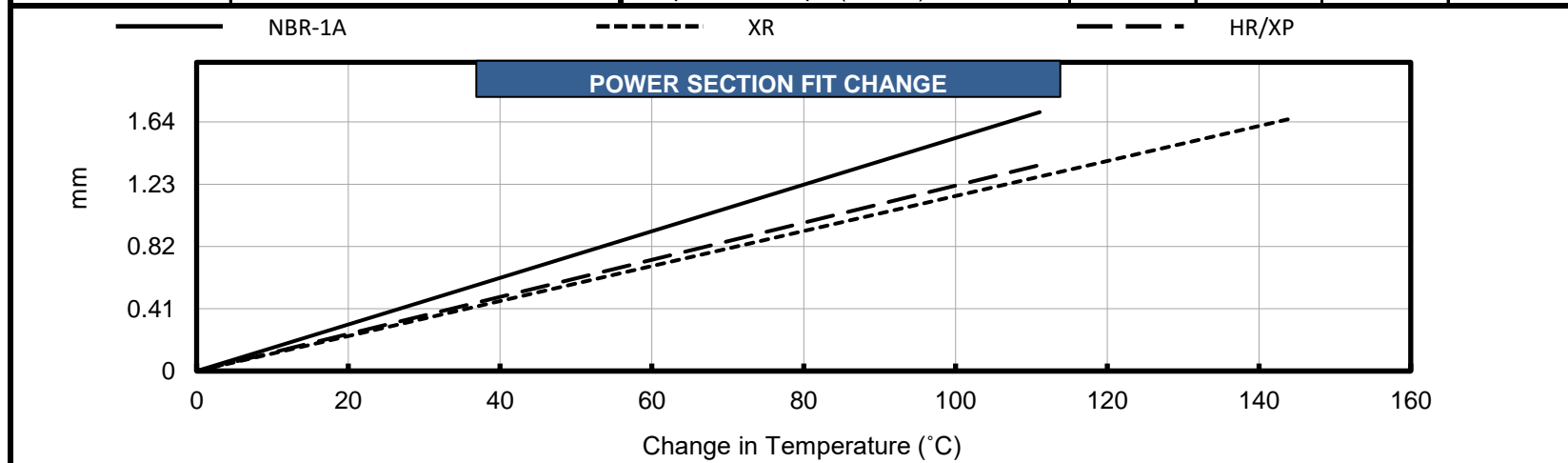
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
0.5 Undersize			101.24	101.24*
Standard		101.47*	101.47	101.35
0.5 Oversize			101.73	101.73*
1 Oversize	101.73		101.80	101.80*
2 Oversize		102.11*	102.11	102.11*
Nominal Fit at 75°F				
0.5 Undersize			0.56	0.56*
Standard		0.33*	0.33	0.46
0.5 Oversize			0.08	0.08*
1 Oversize	0.08		0.00	0.00*
2 Oversize		-0.30*	-0.30	-0.30*

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	6063.0	Overall Length	6230.6
Contour Length	5892.8	Rubber Cutback #1**	185.4
Eccentricity	6.50	Rubber Cutback #2**	185.4
Major Diameter	114.81	Tube O.D.	165.1
Head Diameter	101.60	Tube I.D.	139.7
Weight (kg)	311	Weight (kg)	332
Material	17-4SS	Number of Stages	6.4
Thread Form**	2 7/8 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	1.829 Nm/kPa	Max. Diff. Press. (kPa)	6619	9928	9928	11032
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)	12107	18154	18154	20175
RPG	0.076 rev/litre	Stall Diff. Press. (kPa)	9928	14893	14893	16547
Speed Range	86 to 173 RPM	Stall Torque (Nm)	18154	27238	27238	30262
Off Bottom Press.	965 kPa	Max. Recommended (kW)	184	276	276	307
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	152	228	228	248
		Temperature Slope (mm/°C)	0.0153	0.0115	0.0122	0.0122



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.