

## POWER SECTION

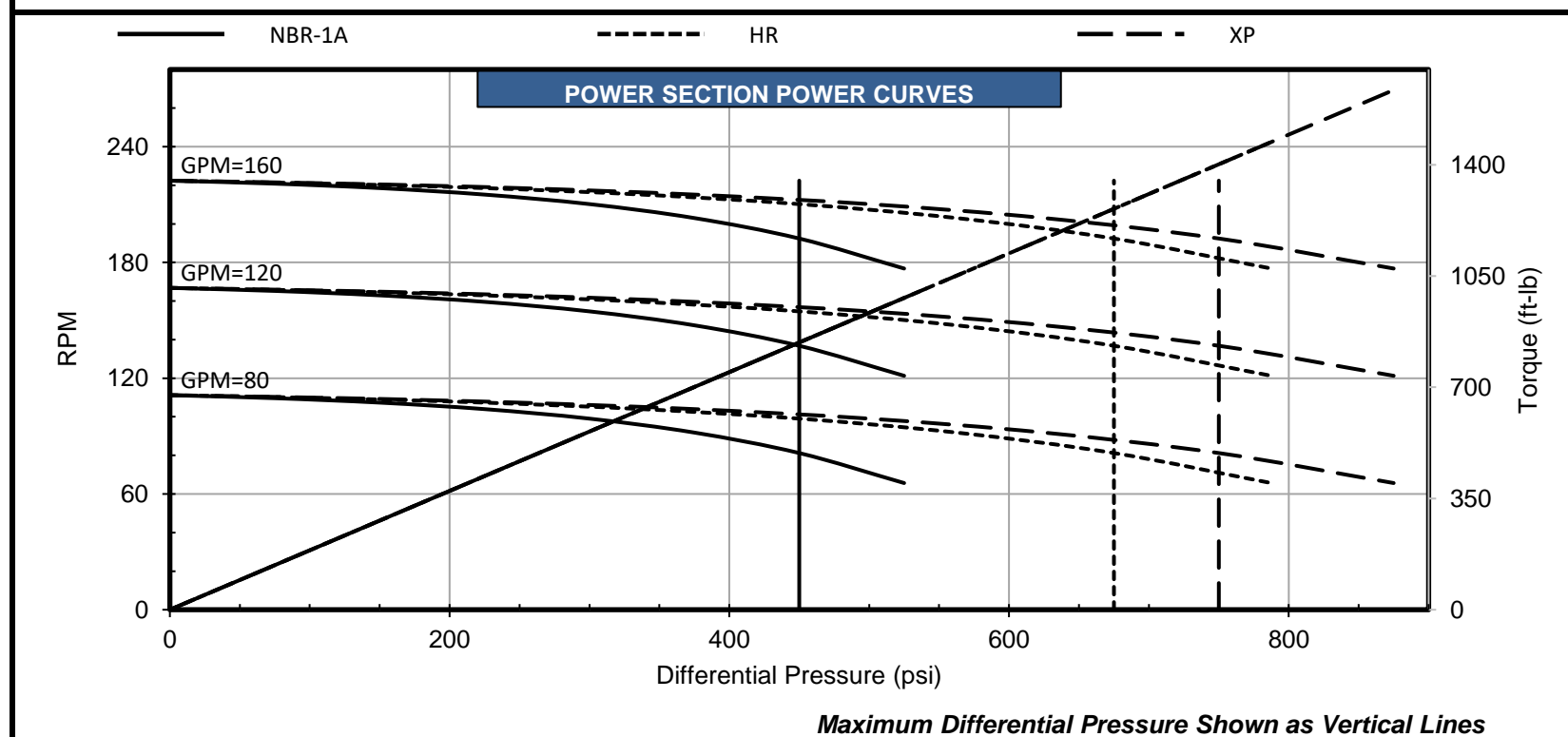
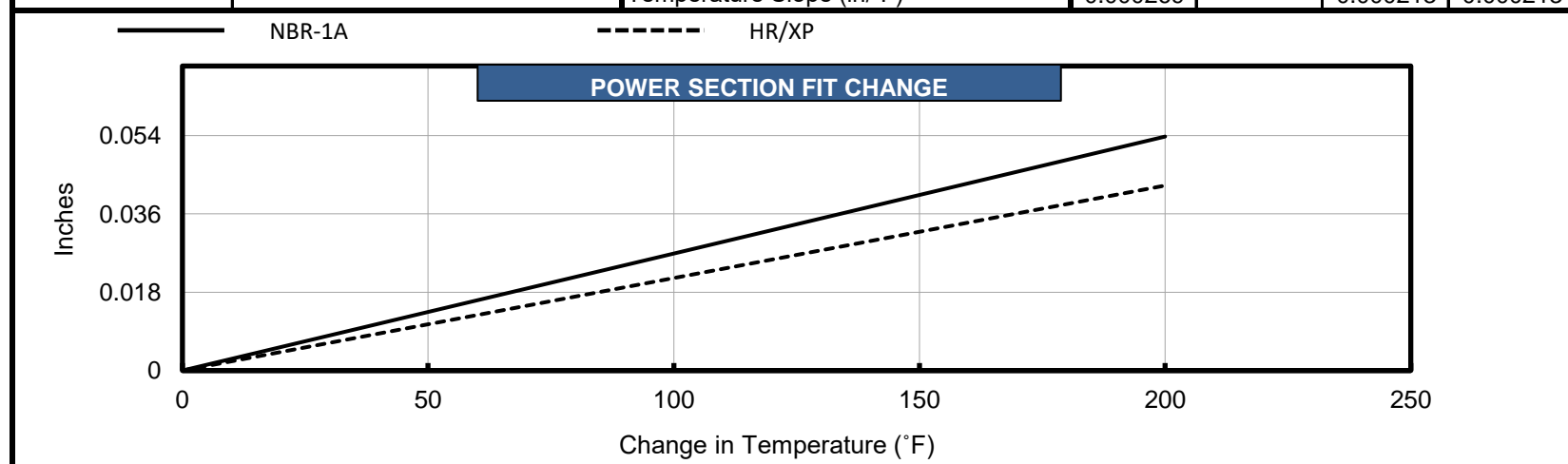
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			1.729	1.729*
Standard	1.737		1.739	1.739*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.008	0.008*
Standard	0.000		-0.002	-0.002*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	116.3	Overall Length	124.0
Contour Length	112.3	Rubber Cutback #1**	6.0
Eccentricity	0.111	Rubber Cutback #2**	6.0
Major Diameter	1.959	Tube O.D.	3.38
Head Diameter	2.125	Tube I.D.	2.73
Weight (lb)	80	Weight (lb)	116
Material	17-4SS	Number of Stages	3.0
Thread Form**	1.375-6 SA		

\*Pending production measurements

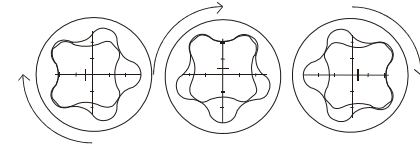
\*\* Alternate or custom thread forms and cutbacks are available upon request

PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	1.869 ft-lb/psi	450		680	750
Flow Range	80 to 160 GPM	840		1260	1400
RPG	1.390 rev/gal	680		1010	1130
Speed Range	111 to 222 RPM	1260		1890	2100
Off Bottom Press.	57 psi	31		46	51
		150		225	250
		26		40	44
	Temperature Slope (in/°F)	0.000269		0.000213	0.000213



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.



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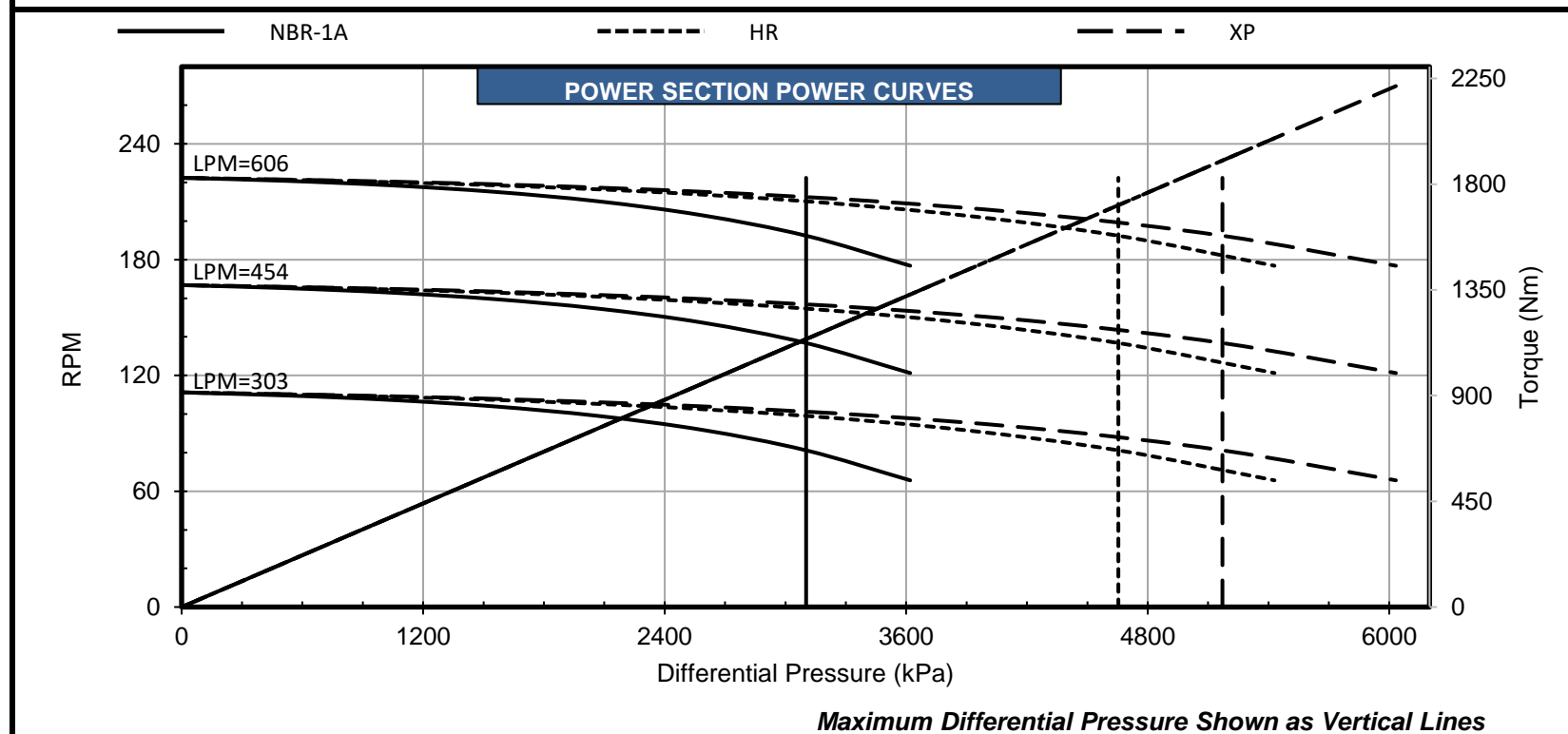
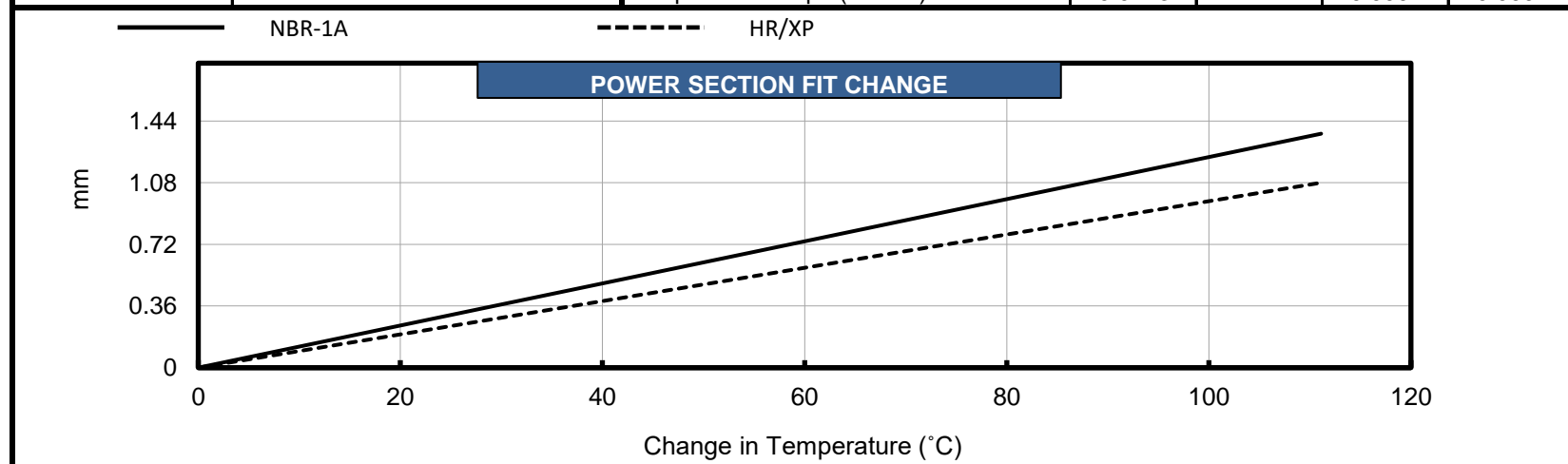
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			43.92	43.92*
Standard	44.12		44.17	44.17*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.20	0.20*
Standard	0.00		-0.05	-0.05*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	2954.0	Overall Length	3149.6
Contour Length	2852.4	Rubber Cutback #1**	152.4
Eccentricity	2.82	Rubber Cutback #2**	152.4
Major Diameter	49.76	Tube O.D.	85.9
Head Diameter	53.98	Tube I.D.	69.3
Weight (kg)	36	Weight (kg)	53
Material	17-4SS	Number of Stages	3.0
Thread Form**	1.375-6 SA		

\*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	0.368 Nm/kPa	Max. Diff. Press. (kPa)	3103		4688	5171
Flow Range	303 to 606 Litre/min	Max. Torque (Nm)	1139		1708	1898
RPG	0.367 rev/litre	Stall Diff. Press. (kPa)	4688		6964	7791
Speed Range	111 to 222 RPM	Stall Torque (Nm)	1708		2562	2847
Off Bottom Press.	393 kPa	Max. Recommended (kW)	23		34	38
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	179		276	303
		Temperature Slope (mm/°C)	0.0123		0.0097	0.0097



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