



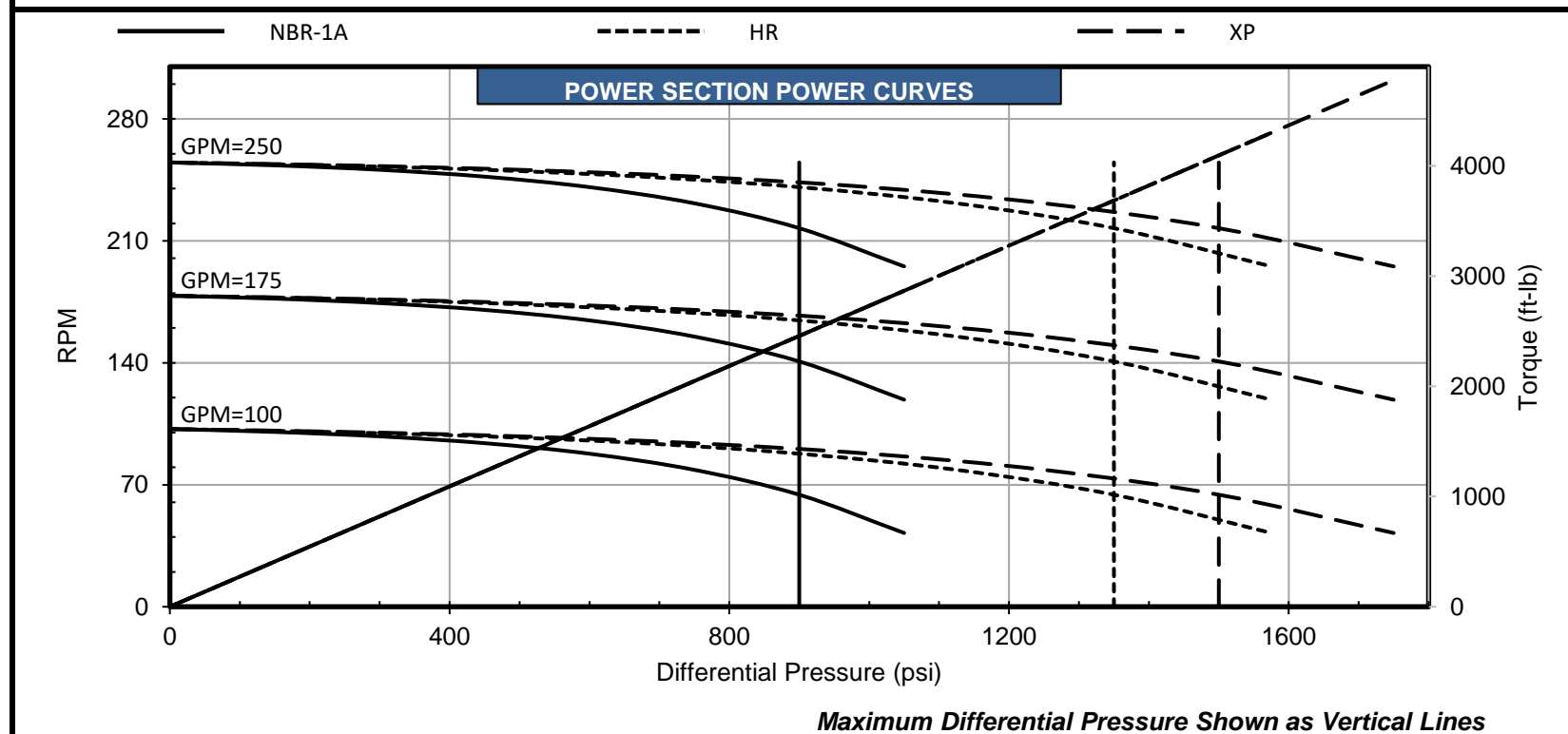
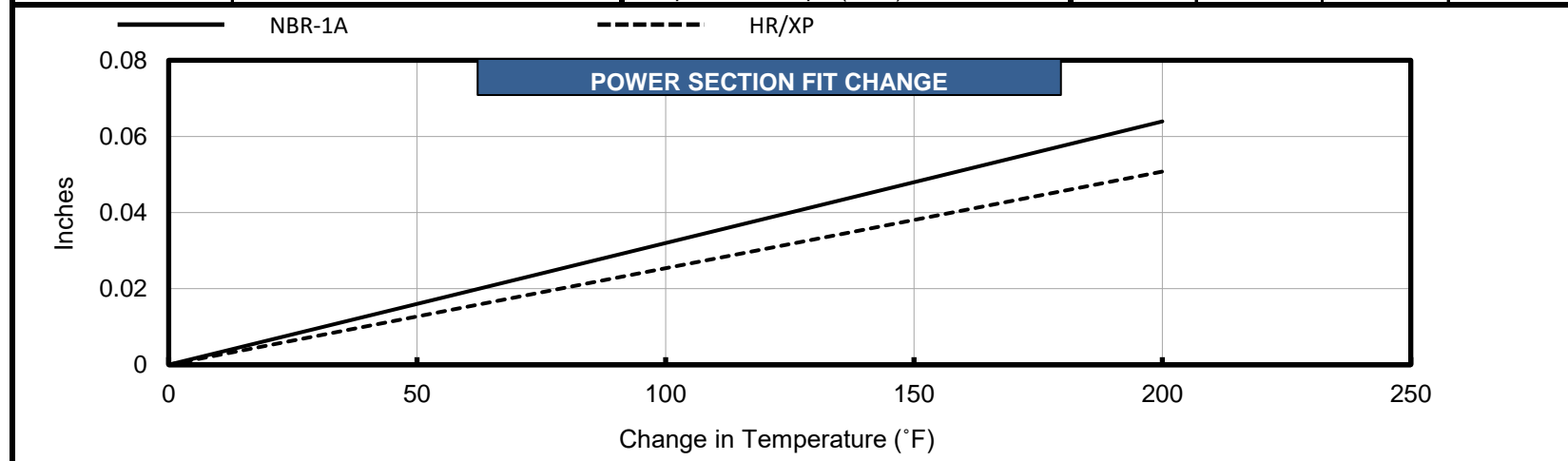
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(in)	(in)	(in)	(in)
		XR	HR	XP				
1 Undersize					Overall Length	179.0	Overall Length	187.0
Standard	2.405		2.408	2.408*	Contour Length	173.0	Rubber Cutback #1**	8.0
1 Oversize	2.424		2.428	2.428*	Eccentricity	0.246	Rubber Cutback #2**	8.0
2 Oversize	2.451				Major Diameter	2.912	Tube O.D.	4.75
Nominal Fit at 75°F					Head Diameter	2.750	Tube I.D.	3.75
1 Undersize					Weight (lb)	238	Weight (lb)	385
Standard	0.015		0.012	0.012*	Material	17-4SS	Number of Stages	6.0
1 Oversize	-0.004		-0.008	-0.008*	Thread	2 3/8 Hughes External		
2 Oversize	-0.031				Form**	Flush Mod Flat		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	2.730 ft-lb/psi	Max. Diff. Press. (psi)	900		1350	1500
Flow Range	100 to 250 GPM	Max. Torque (ft-lb)	2460		3690	4100
RPG	1.020 rev/gal	Stall Diff. Press. (psi)	1350		2030	2250
Speed Range	102 to 255 RPM	Stall Torque (ft-lb)	3690		5530	6140
Off Bottom Press.	90 psi	Max. Recommended (HP)	102		152	169
		PSI Per Stage	150		225	250
		PSI Per Cavity	35		52	58
		Temperature Slope (in/°F)	0.000320		0.000254	0.000254



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.



POWER SECTION

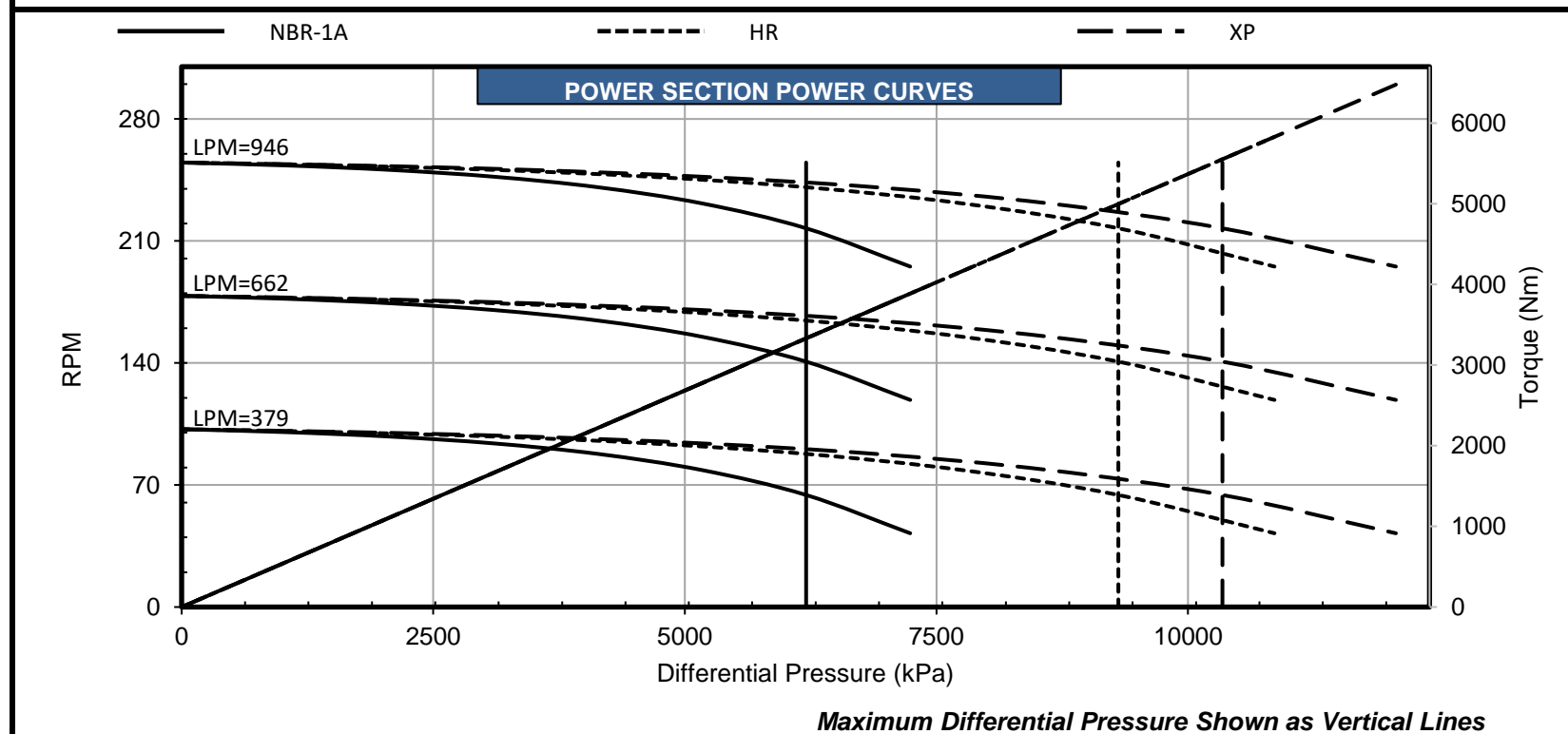
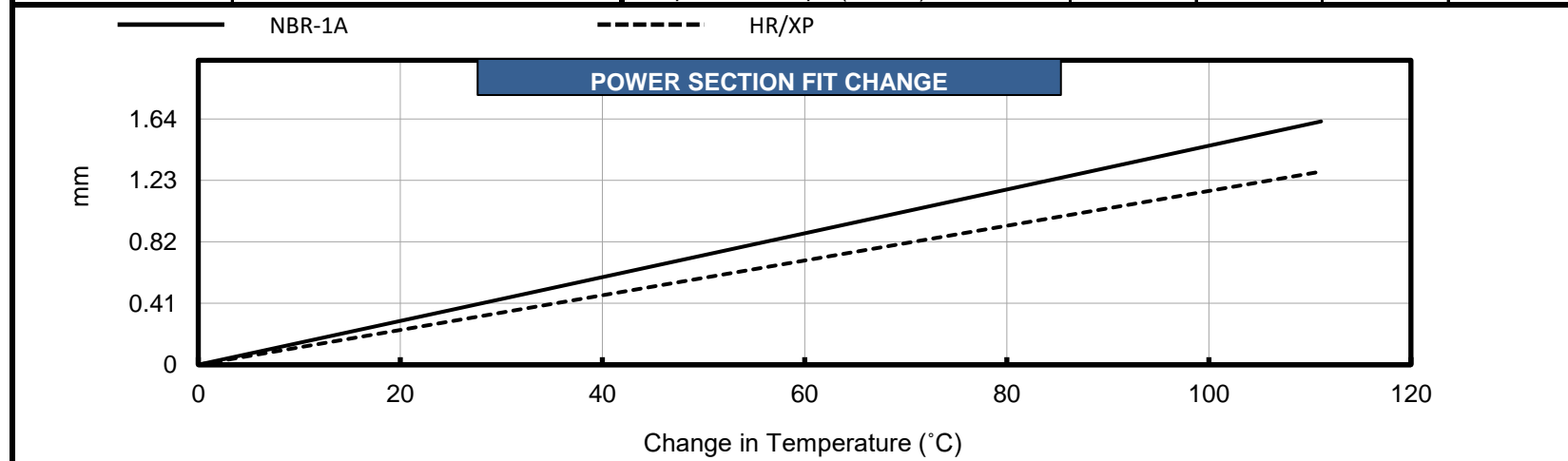
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	61.09		61.16	61.16*
1 Oversize	61.57		61.67	61.67*
2 Oversize	62.26			
Nominal Fit at 75°F				
1 Undersize				
Standard	0.38		0.30	0.30*
1 Oversize	-0.10		-0.20	-0.20*
2 Oversize	-0.79			

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	4546.6	Overall Length	4749.8
Contour Length	4394.2	Rubber Cutback #1**	203.2
Eccentricity	6.25	Rubber Cutback #2**	203.2
Major Diameter	73.96	Tube O.D.	120.7
Head Diameter	69.85	Tube I.D.	95.3
Weight (kg)	108	Weight (kg)	175
Material	17-4SS	Number of Stages	6.0
Thread Form**	2 3/8 Hughes External Flush Mod Flat		

*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	0.537 Nm/kPa	Max. Diff. Press. (kPa)	6205		9308	10342
Flow Range	379 to 946 Litre/min	Max. Torque (Nm)	3335		5003	5559
RPG	0.269 rev/litre	Stall Diff. Press. (kPa)	9308		13996	15513
Speed Range	102 to 255 RPM	Stall Torque (Nm)	5003		7498	8325
Off Bottom Press.	621 kPa	Max. Recommended (kW)	76		114	126
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	241		359	400
		Temperature Slope (mm/°C)	0.0146		0.0116	0.0116



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