



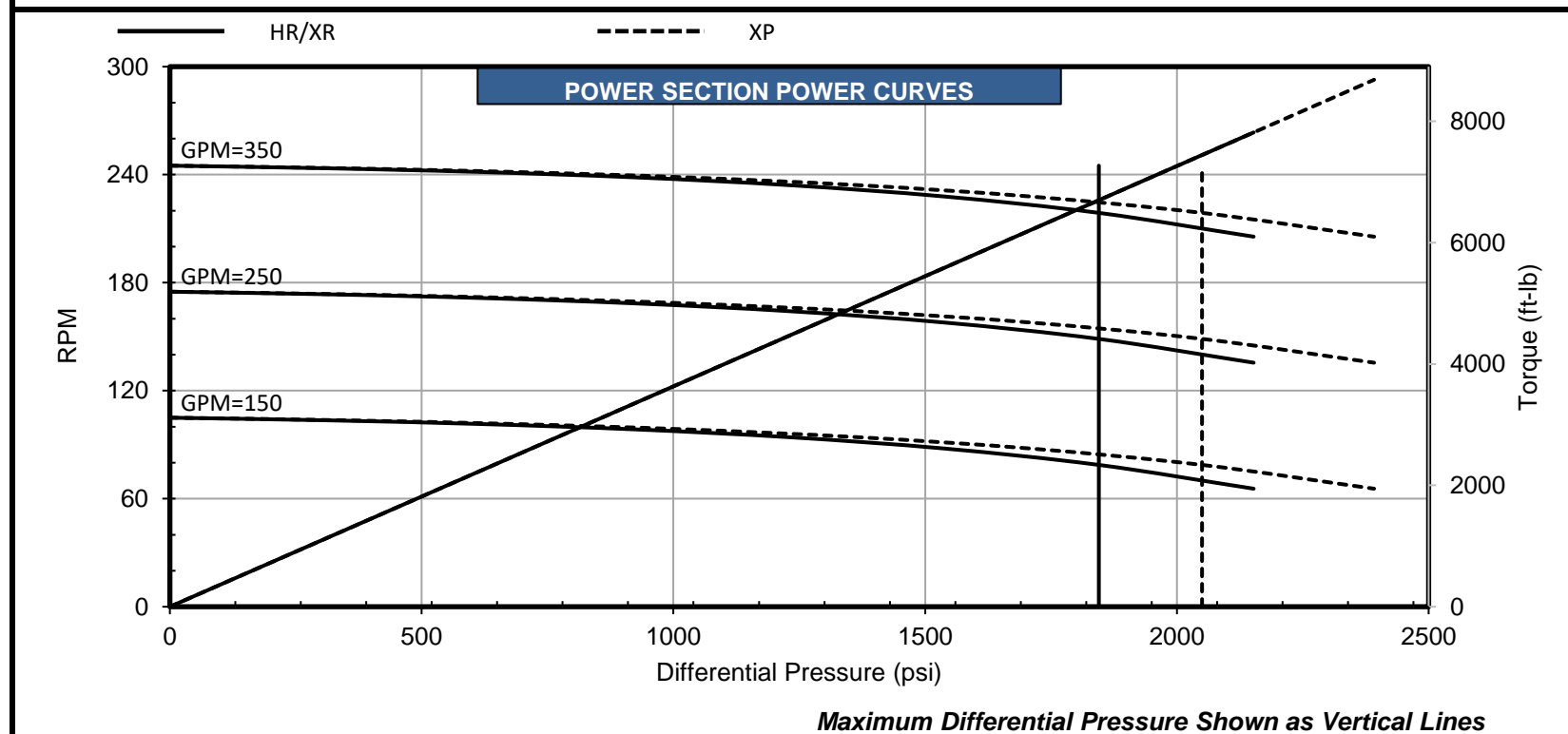
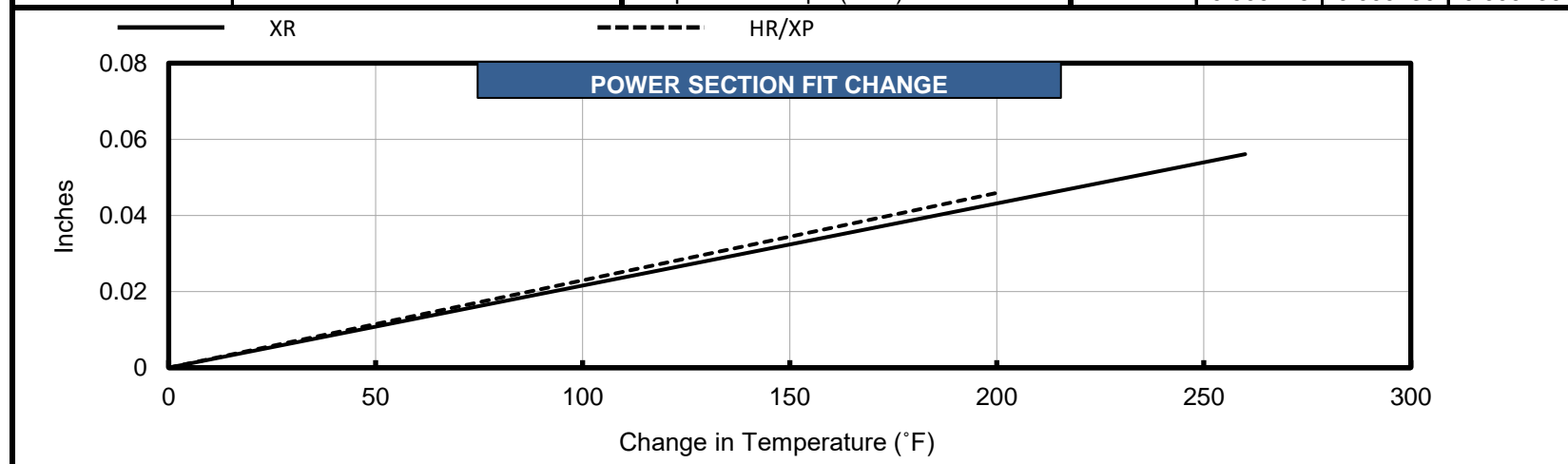
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(in)	(in)	(in)	(in)
		XR	HR	XP				
1 Undersize			2.998	2.997	Overall Length	235.0	Overall Length	250.0
Standard		3.012	3.009	3.006	Contour Length	229.5	Rubber Cutback #1**	8.0
1 Oversize		3.024*	3.024	3.024*	Eccentricity	0.173	Rubber Cutback #2**	15.5
2 Oversize		3.039*	3.039	3.039*	Major Diameter	3.354	Tube O.D.	5.00
Nominal Fit at 75°F					Head Diameter	3.450	Tube I.D.	4.00
1 Undersize			0.011	0.012	Weight (lb)	485	Weight (lb)	468
Standard		-0.003	0.000	0.003	Material	17-4SS	Number of Stages	8.2
1 Oversize		-0.015*	-0.015	-0.015*	Thread	2 7/8 Hughes External		
2 Oversize		-0.030*	-0.030	-0.030*	Form**	Flush Mod Flat		

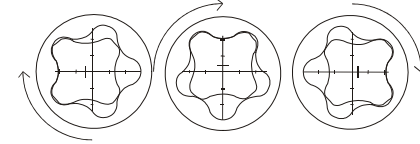
*Pending production measurements

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

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.631 ft-lb/psi	Max. Diff. Press. (psi)		1850	1850	2050
Flow Range	150 to 350 GPM	Max. Torque (ft-lb)		6700	6700	7440
RPG	0.700 rev/gal	Stall Diff. Press. (psi)		2770	2770	3080
Speed Range	105 to 245 RPM	Stall Torque (ft-lb)		10050	10050	11170
Off Bottom Press.	121 psi	Max. Recommended (HP)		279	279	310
		PSI Per Stage		225	225	250
		PSI Per Cavity		31	31	35
		Temperature Slope (in/°F)		0.000216	0.000230	0.000230



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

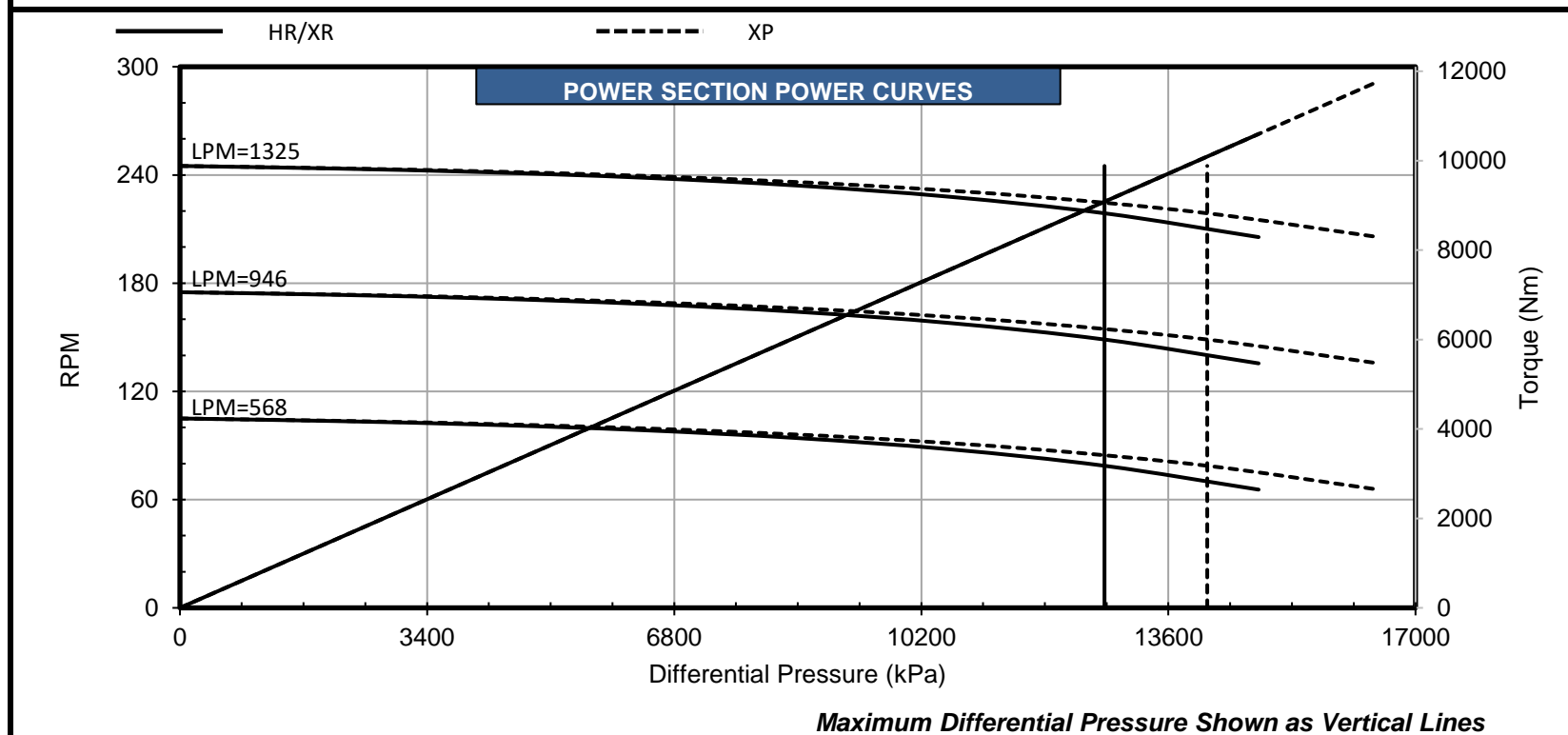
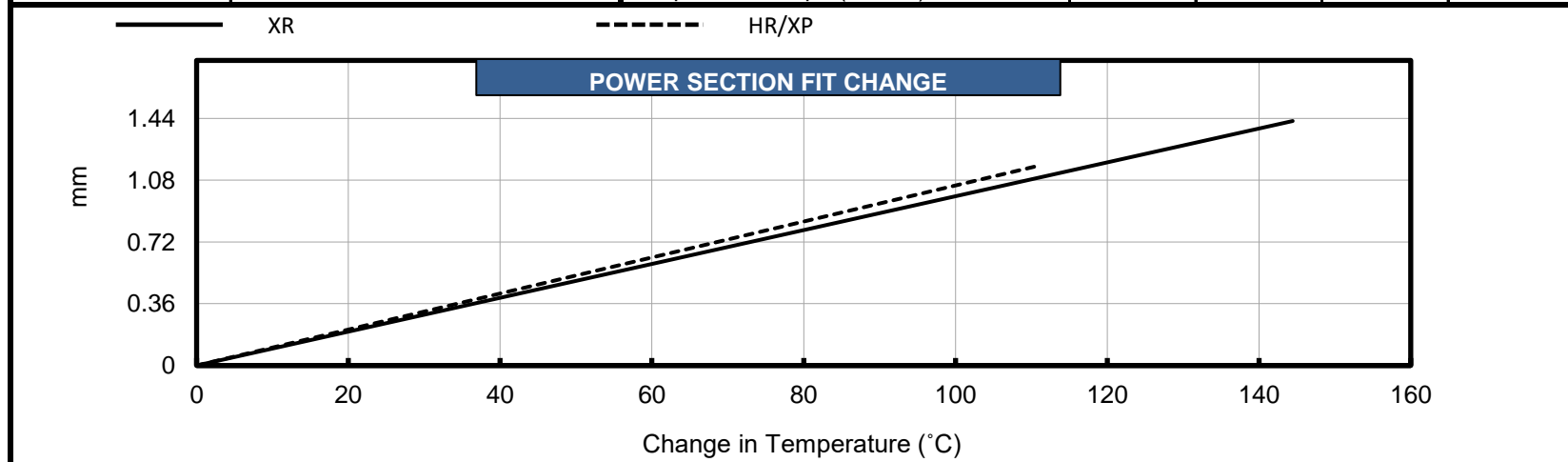
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			76.15	76.12
Standard		76.50	76.43	76.35
1 Oversize		76.81*	76.81	76.81*
2 Oversize		77.19*	77.19	77.19*
Nominal Fit at 75°F				
1 Undersize			0.28	0.30
Standard		-0.08	0.00	0.08
1 Oversize		-0.38*	-0.38	-0.38*
2 Oversize		-0.76*	-0.76	-0.76*

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	5969.0	Overall Length	6350.0
Contour Length	5829.3	Rubber Cutback #1**	203.2
Eccentricity	4.38	Rubber Cutback #2**	393.7
Major Diameter	85.19	Tube O.D.	127.0
Head Diameter	87.63	Tube I.D.	101.6
Weight (kg)	220	Weight (kg)	212
Material	17-4SS	Number of Stages	8.2
Thread	2 7/8 Hughes External		
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	0.714 Nm/kPa	Max. Diff. Press. (kPa)		12755	12755	14134
Flow Range	568 to 1325 Litre/min	Max. Torque (Nm)		9084	9084	10087
RPG	0.185 rev/litre	Stall Diff. Press. (kPa)		19098	19098	21236
Speed Range	105 to 245 RPM	Stall Torque (Nm)		13626	13626	15144
Off Bottom Press.	834 kPa	Max. Recommended (kW)		208	208	231
		kPa Per Stage		1551	1551	1724
		kPa Per Cavity		214	214	241
		Temperature Slope (mm/°C)		0.0099	0.0105	0.0105



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