



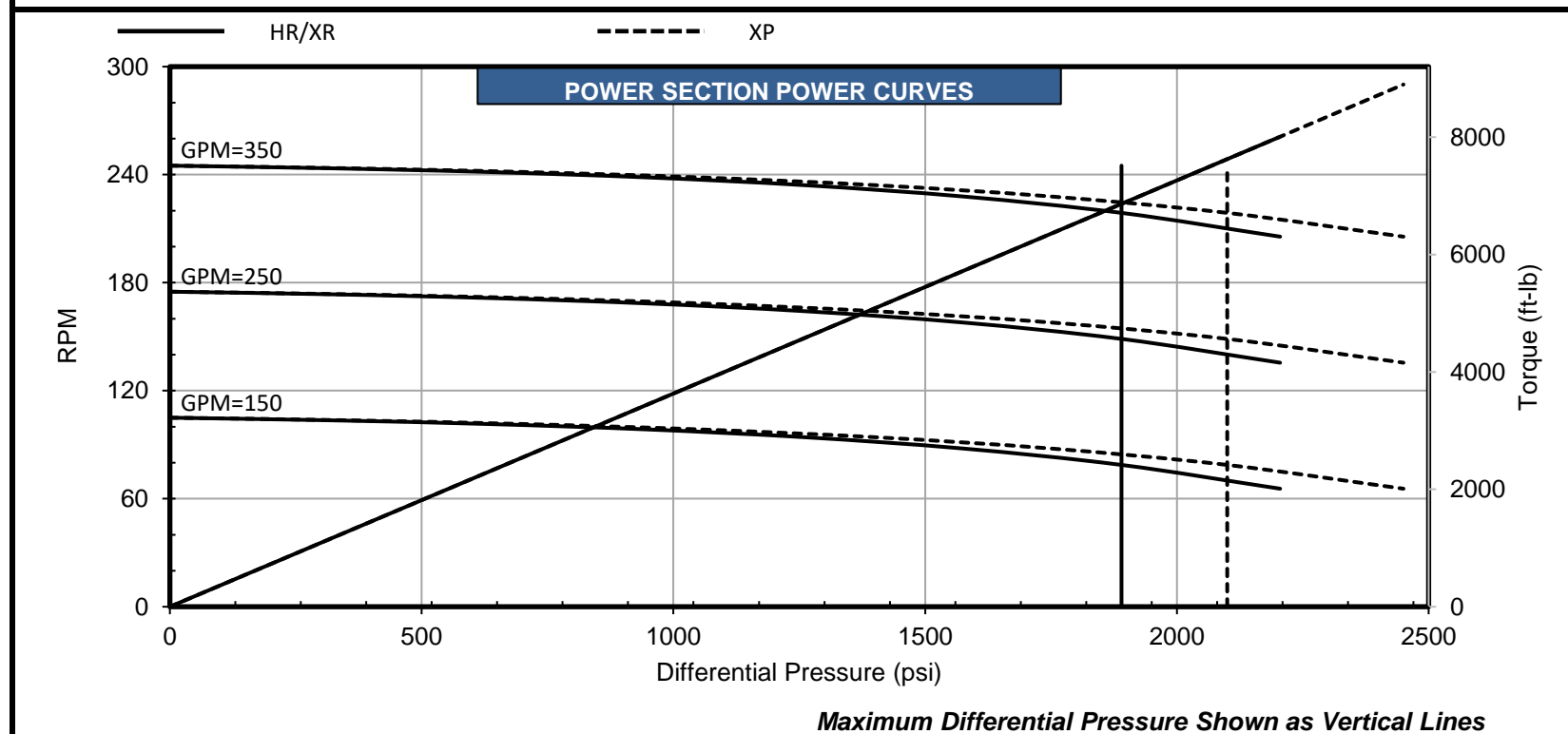
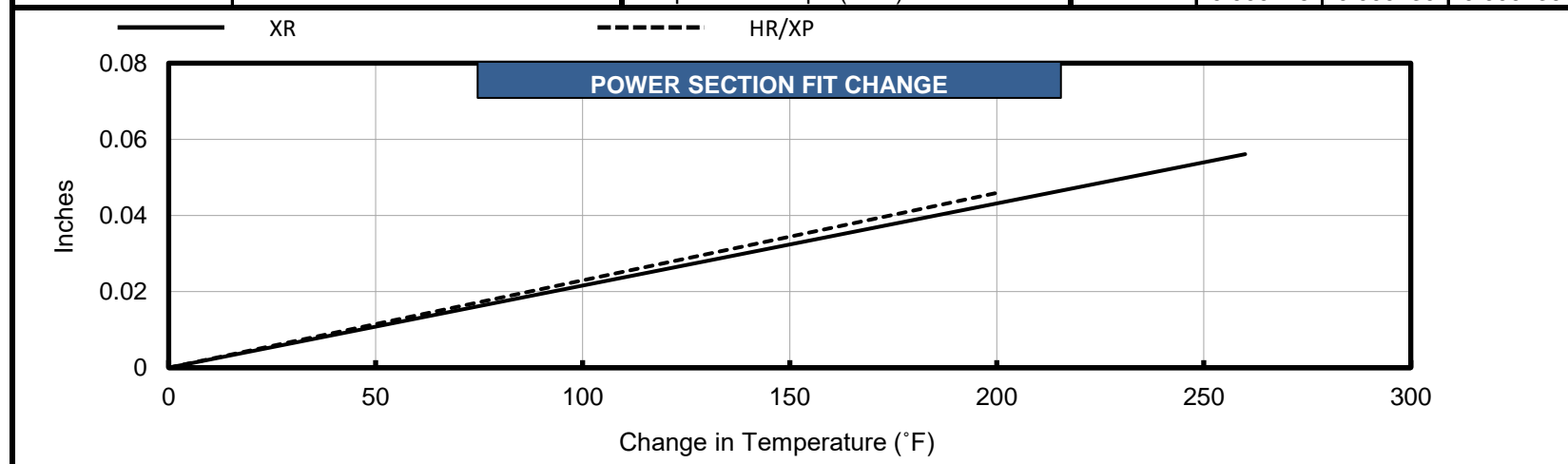
## POWER SECTION

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	251.6	Overall Length	250.0
Standard		3.012	3.009	3.006	Contour Length	235.0	Rubber Cutback #1**	8.0
1 Oversize		3.024*	3.024	3.024*	Eccentricity	0.173	Rubber Cutback #2**	8.0
2 Oversize		3.039*	3.039	3.039*	Major Diameter	3.354	Tube O.D.	5.00
<b>Nominal Fit at 75°F</b>					Head Diameter	3.700	Tube I.D.	4.00
1 Undersize			0.011	0.012	Weight (lb)	503	Weight (lb)	477
Standard		-0.003	0.000	0.003	Material	17-4SS	Number of Stages	8.4
1 Oversize		-0.015*	-0.015	-0.015*	Thread	2 3/8" Hughes Slimline		
2 Oversize		-0.030*	-0.030	-0.030*	Form**	H-90		

\*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)		1890	1890	2100
Flow Range	150 to 350 GPM	Max. Torque (ft-lb)		6860	6860	7630
RPG	0.700 rev/gal	Stall Diff. Press. (psi)		2840	2840	3150
Speed Range	105 to 245 RPM	Stall Torque (ft-lb)		10290	10290	11440
Off Bottom Press.	122 psi	Max. Recommended (HP)		286	286	318
		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.



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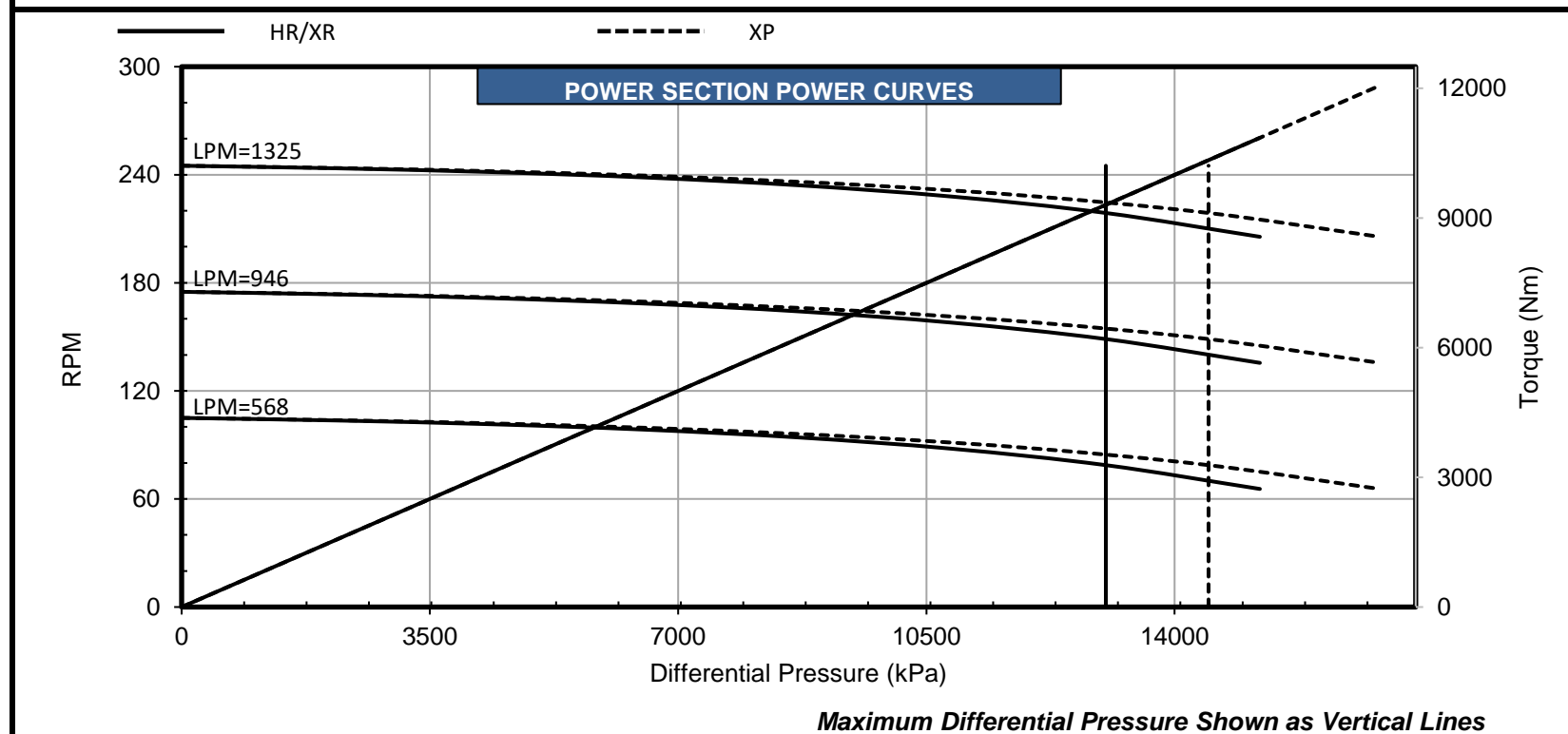
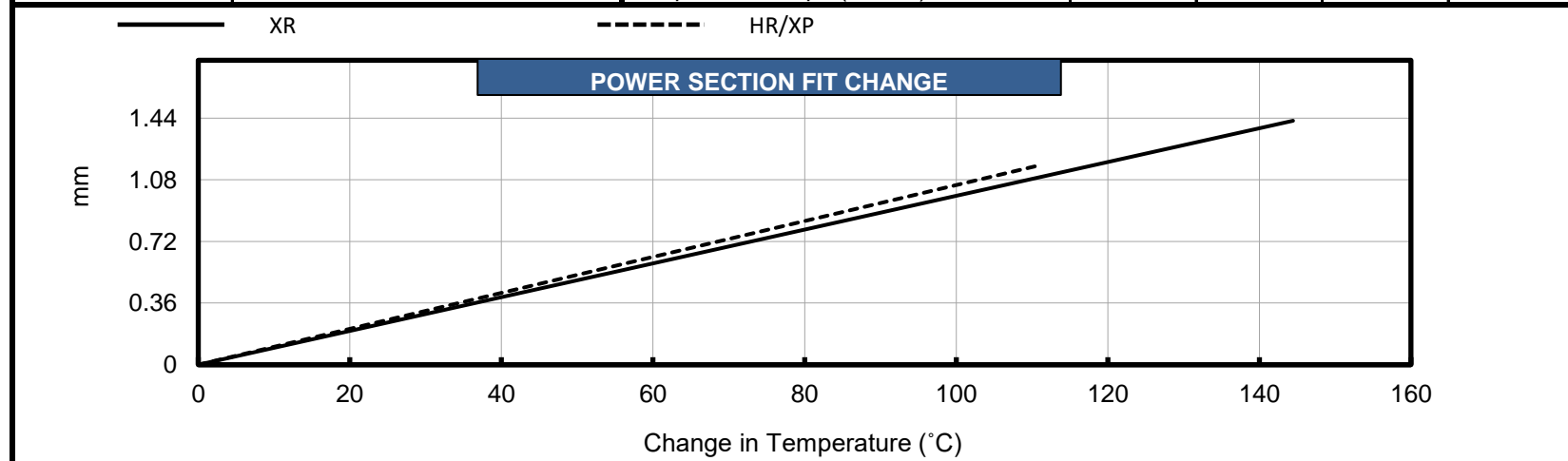
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			76.15	76.12
Standard		76.50	76.43	76.35
1 Oversize		76.81*	76.81	76.81*
2 Oversize		77.19*	77.19	77.19*
Nominal Fit at 75°F				
1 Undersize			0.28	0.30
Standard		-0.08	0.00	0.08
1 Oversize		-0.38*	-0.38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

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	6390.6	Overall Length	6350.0
Contour Length	5969.0	Rubber Cutback #1**	203.2
Eccentricity	4.38	Rubber Cutback #2**	203.2
Major Diameter	85.19	Tube O.D.	127.0
Head Diameter	93.98	Tube I.D.	101.6
Weight (kg)	228	Weight (kg)	216
Material	17-4SS	Number of Stages	8.4
Thread	2 3/8" Hughes Slimline		
Form**	H-90		

\*Pending production measurements

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	0.714 Nm/kPa	Max. Diff. Press. (kPa)		13031	13031	14479
Flow Range	568 to 1325 Litre/min	Max. Torque (Nm)		9301	9301	10345
RPG	0.185 rev/litre	Stall Diff. Press. (kPa)		19581	19581	21718
Speed Range	105 to 245 RPM	Stall Torque (Nm)		13951	13951	15511
Off Bottom Press.	841 kPa	Max. Recommended (kW)		213	213	237
		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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