



## POWER SECTION

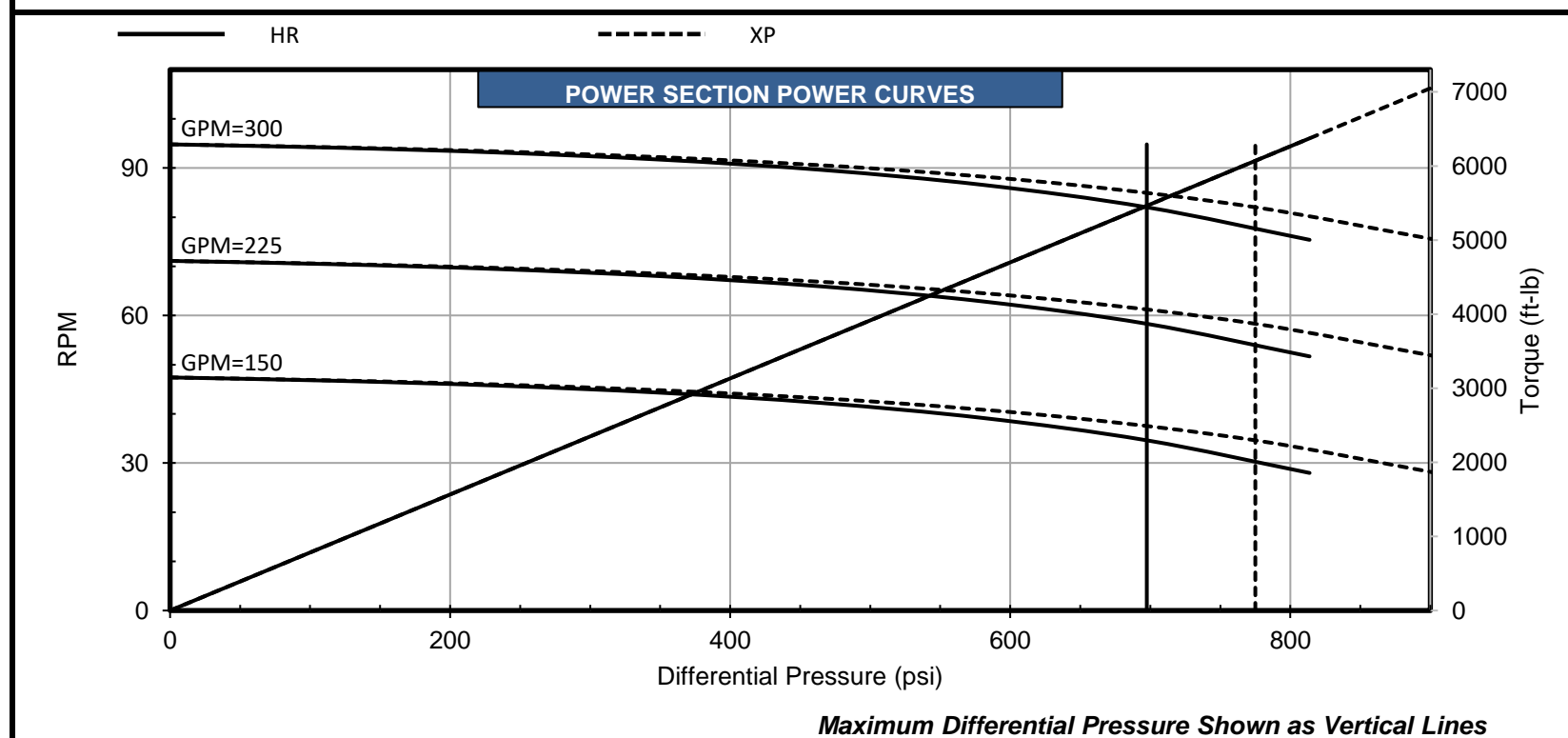
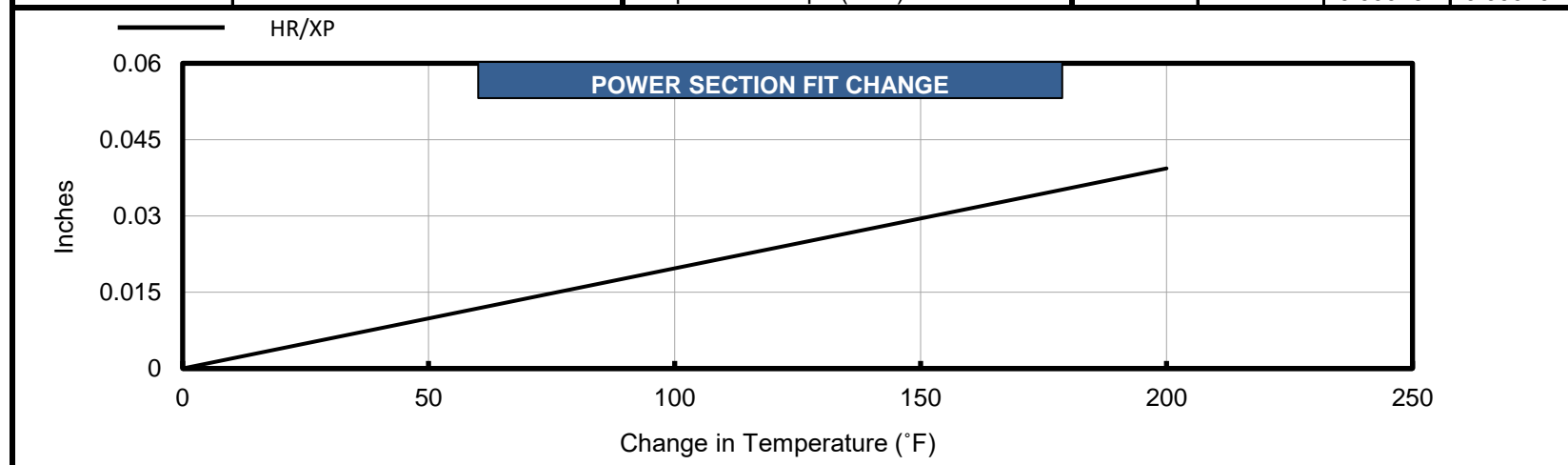
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			2.686	2.686*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.002	0.002*
1 Oversize				
2 Oversize				

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	229.0	Overall Length	238.0
Contour Length	223.0	Rubber Cutback #1**	8.0
Eccentricity	0.168	Rubber Cutback #2**	8.0
Major Diameter	3.024	Tube O.D.	4.75
Head Diameter	2.750	Tube I.D.	3.75
Weight (lb)	306	Weight (lb)	485
Material	17-4SS	Number of Stages	3.1
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	7.831 ft-lb/psi	Max. Diff. Press. (psi)			700	780
Flow Range	150 to 300 GPM	Max. Torque (ft-lb)			5460	6070
RPG	0.316 rev/gal	Stall Diff. Press. (psi)			1050	1160
Speed Range	47 to 95 RPM	Stall Torque (ft-lb)			8190	9100
Off Bottom Press.	50 psi	Max. Recommended (HP)			85	95
		PSI Per Stage			225	250
		PSI Per Cavity			39	44
		Temperature Slope (in/°F)			0.000197	0.000197



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.



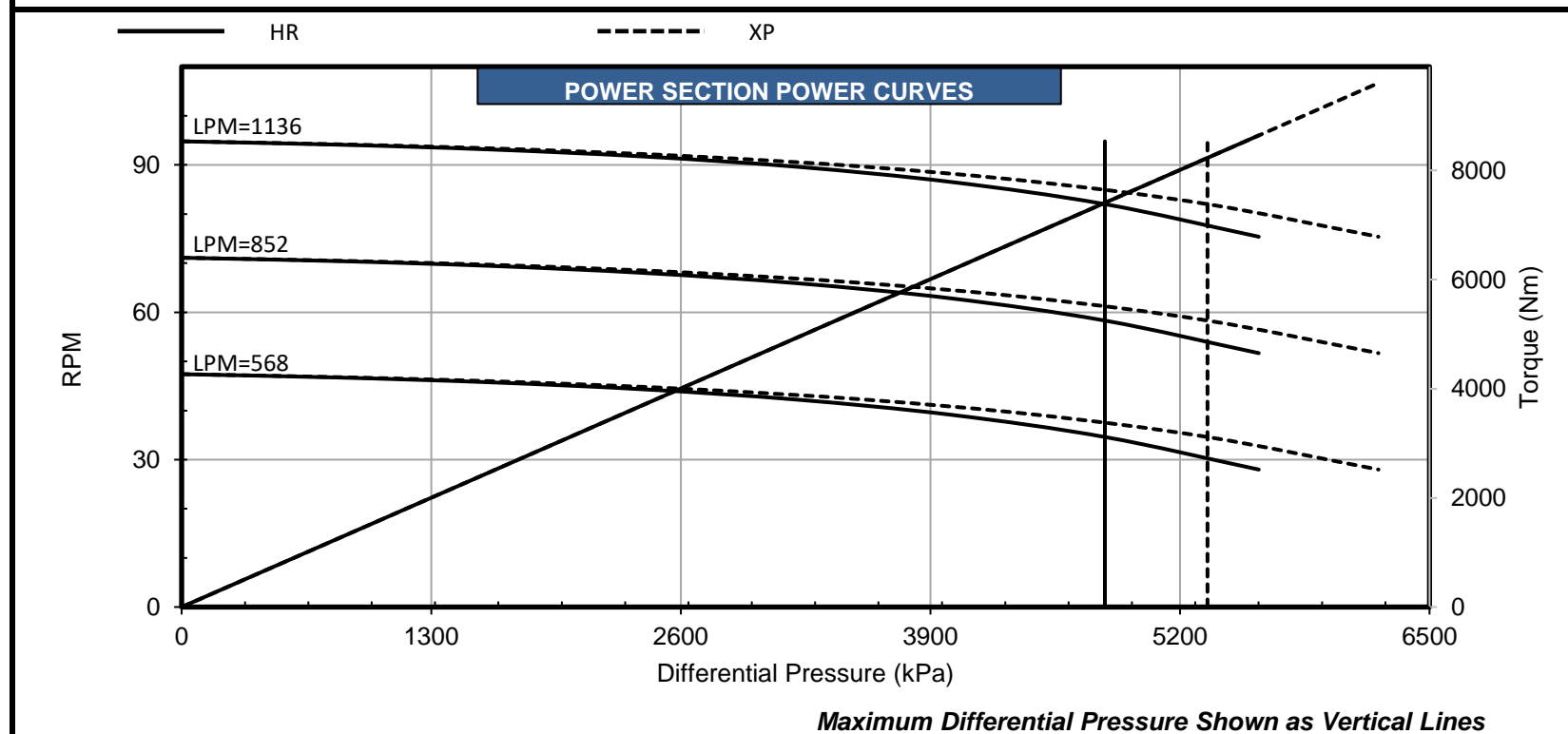
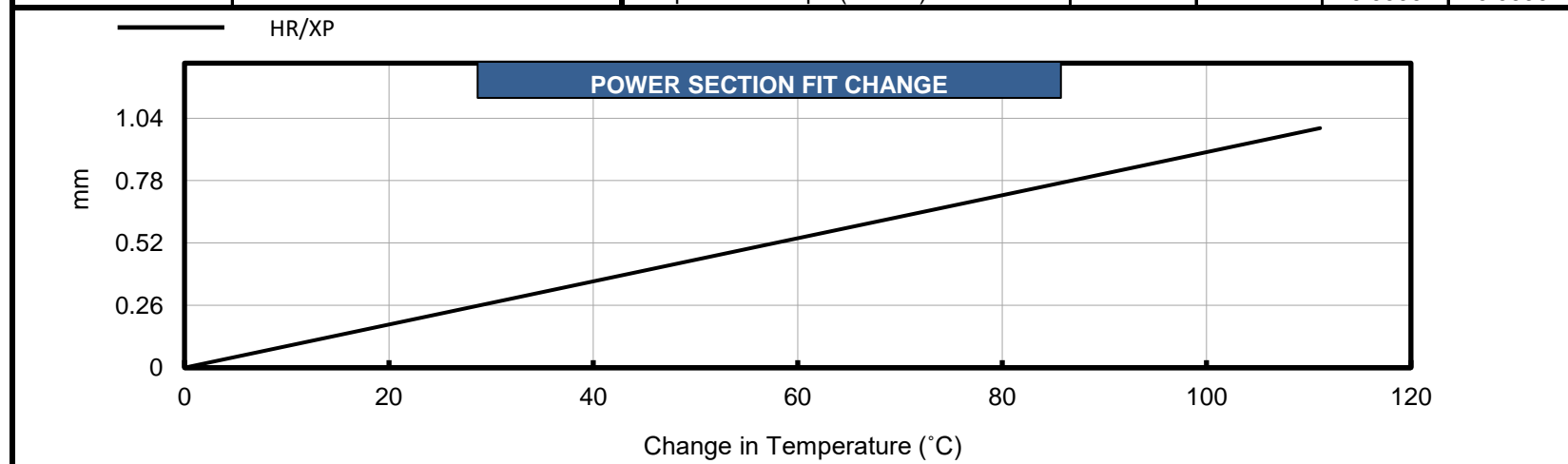
## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)		(mm)	
		XR	HR	XP				
1 Undersize					Overall Length	5816.6	Overall Length	6045.2
Standard			68.22	68.22*	Contour Length	5664.2	Rubber Cutback #1**	203.2
1 Oversize					Eccentricity	4.27	Rubber Cutback #2**	203.2
2 Oversize					Major Diameter	76.81	Tube O.D.	120.7
Nominal Fit at 75°F					Head Diameter	69.85	Tube I.D.	95.3
1 Undersize					Weight (kg)	139	Weight (kg)	220
Standard			0.05	0.05*	Material	17-4SS	Number of Stages	3.1
1 Oversize					Thread	2 3/8 Hughes External		
2 Oversize					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	1.540 Nm/kPa	Max. Diff. Press. (kPa)			4826	5378
Flow Range	568 to 1136 Litre/min	Max. Torque (Nm)			7403	8230
RPG	0.083 rev/litre	Stall Diff. Press. (kPa)			7239	7998
Speed Range	47 to 95 RPM	Stall Torque (Nm)			11104	12338
Off Bottom Press.	345 kPa	Max. Recommended (kW)			64	71
		kPa Per Stage			1551	1724
		kPa Per Cavity			269	303
		Temperature Slope (mm/°C)			0.0090	0.0090



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.