

POWER SECTION

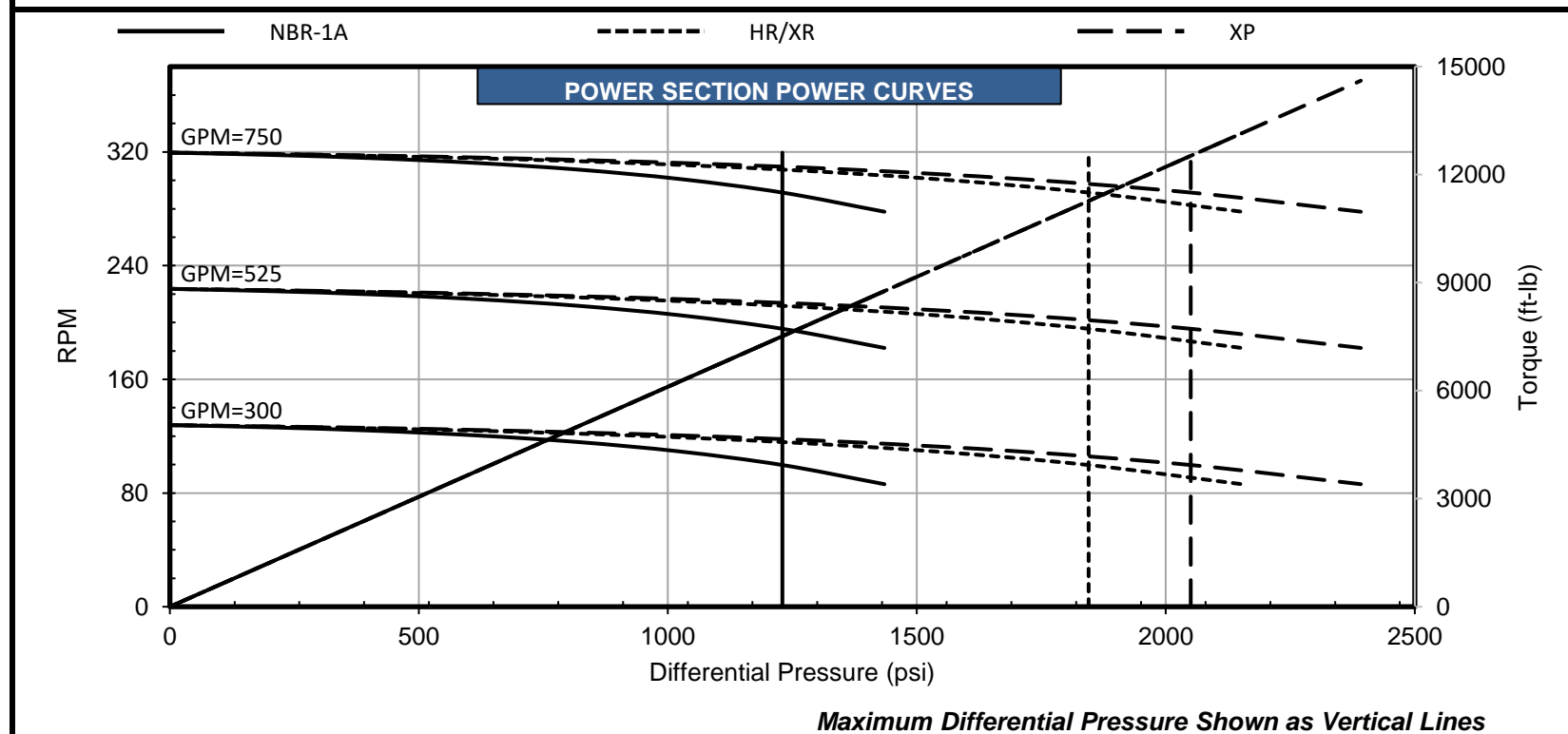
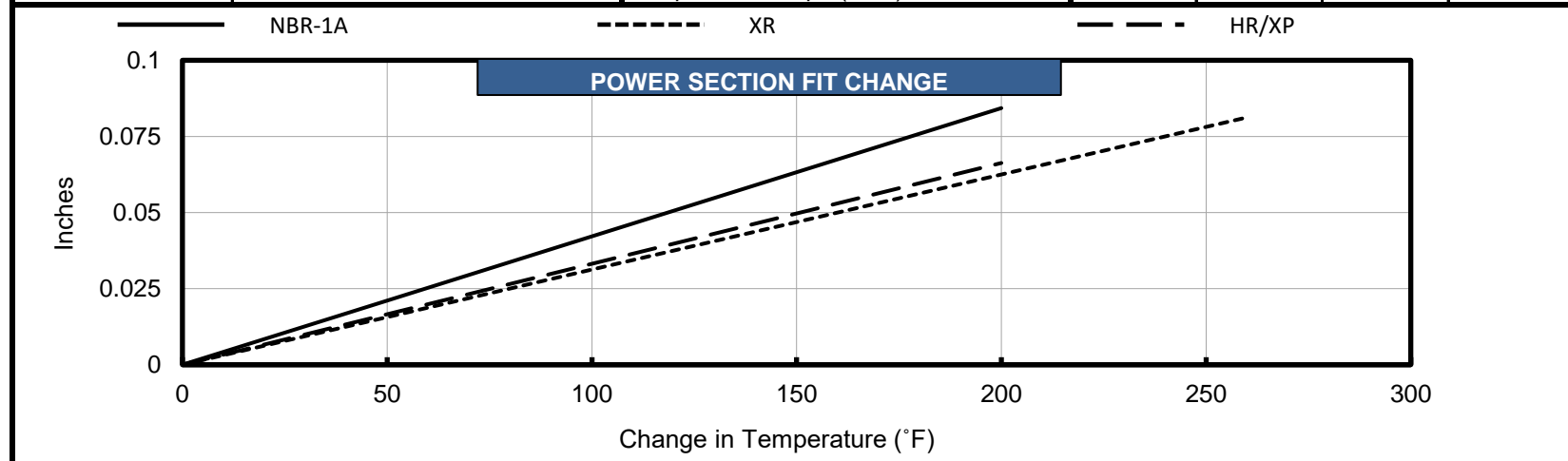
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard	3.682	3.694	3.690	3.688
1 Oversize	3.703	3.706*	3.706	3.706*
2 Oversize	3.721	3.723*	3.723	3.723*
Nominal Fit at 75°F				
1 Undersize				
Standard	0.020	0.008	0.012	0.014
1 Oversize	-0.001	-0.004*	-0.004	-0.004*
2 Oversize	-0.019	-0.021*	-0.021	-0.021*

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	233.0	Overall Length	246.0
Contour Length	226.0	Rubber Cutback #1**	7.0
Eccentricity	0.335	Rubber Cutback #2**	15.0
Major Diameter	4.371	Tube O.D.	7.00
Head Diameter	4.500	Tube I.D.	5.50
Weight (lb)	633	Weight (lb)	1107
Material	17-4SS	Number of Stages	8.2
Thread Form**	2 7/8 HUGHES SLIMLINE H-90		

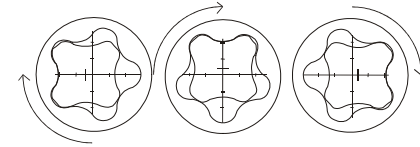
*Pending production measurements

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

PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	6.109 ft-lb/psi	1230	1850	1850	2050
Flow Range	300 to 750 GPM	7510	11270	11270	12520
RPG	0.426 rev/gal	1850	2770	2770	3080
Speed Range	128 to 320 RPM	11270	16910	16910	18790
Off Bottom Press.	213 psi	417	625	625	695
		150	225	225	250
		28	42	42	46
		0.000421	0.000312	0.000331	0.000331



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.



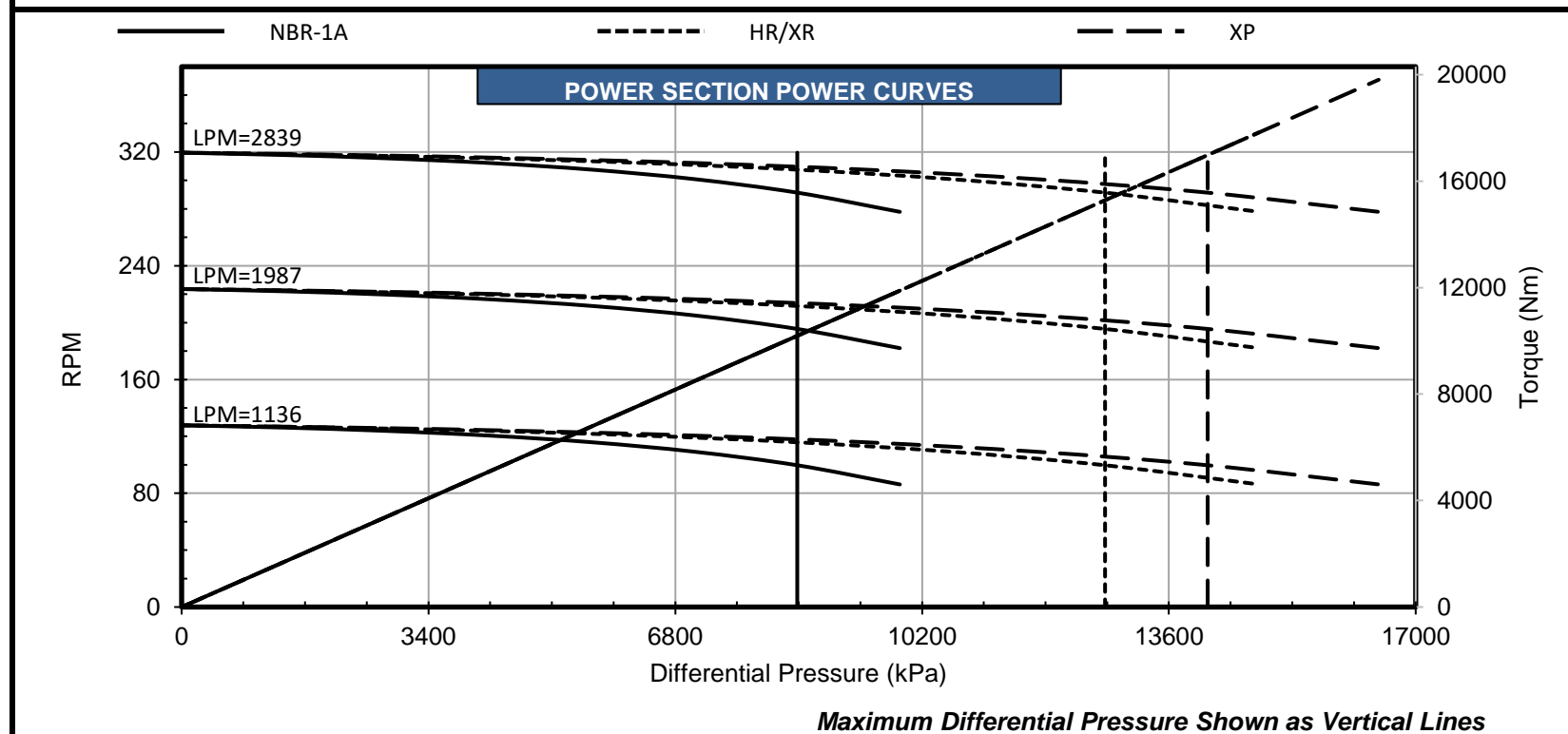
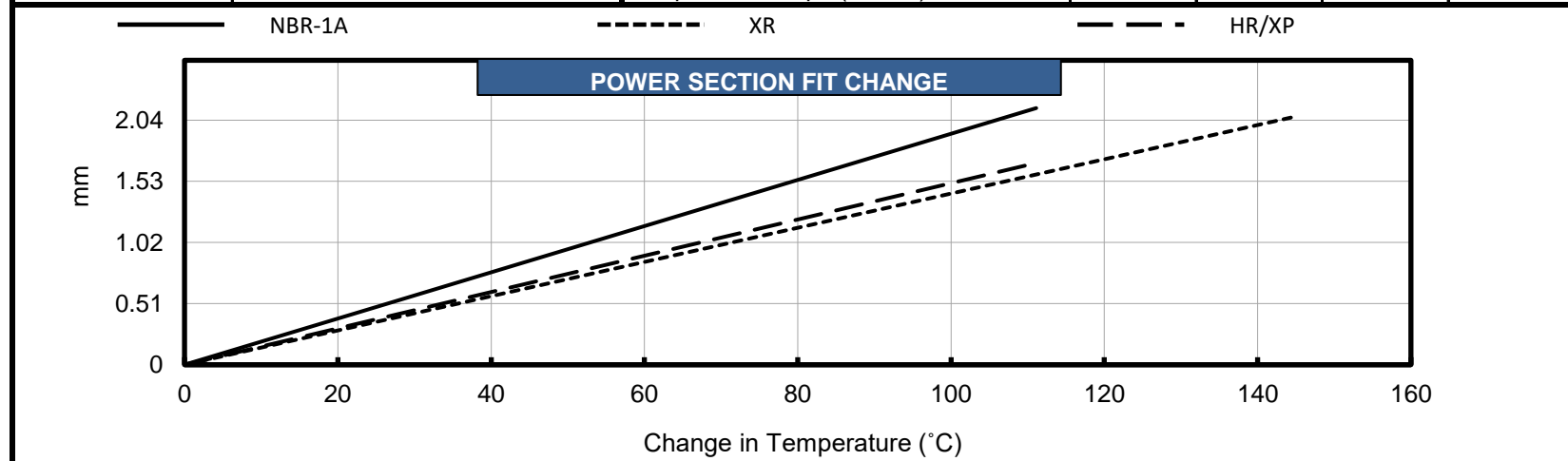
POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)					ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Stator Size	NBR-1A	DynaPower			(mm)		(mm)	
		XR	HR	XP				
1 Undersize					Overall Length	5918.2	Overall Length	6248.4
Standard	93.52	93.83	93.73	93.68	Contour Length	5740.4	Rubber Cutback #1**	177.8
1 Oversize	94.06	94.13*	94.13	94.13*	Eccentricity	8.50	Rubber Cutback #2**	381.0
2 Oversize	94.51	94.56*	94.56	94.56*	Major Diameter	111.02	Tube O.D.	177.8
Nominal Fit at 75°F					Head Diameter	114.30	Tube I.D.	139.7
1 Undersize					Weight (kg)	287	Weight (kg)	502
Standard	0.51	0.20	0.30	0.36	Material	17-4SS	Number of Stages	8.2
1 Oversize	-0.03	-0.10*	-0.10	-0.10*	Thread	2 7/8 HUGHES		
2 Oversize	-0.48	-0.53*	-0.53	-0.53*	Form**	SLIMLINE 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	1.201 Nm/kPa	Max. Diff. Press. (kPa)	8481	12755	12755	14134
Flow Range	1136 to 2839 Litre/min	Max. Torque (Nm)	10182	15280	15280	16975
RPG	0.113 rev/litre	Stall Diff. Press. (kPa)	12755	19098	19098	21236
Speed Range	128 to 320 RPM	Stall Torque (Nm)	15280	22927	22927	25476
Off Bottom Press.	1469 kPa	Max. Recommended (kW)	311	467	467	518
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	193	290	290	317
		Temperature Slope (mm/°C)	0.0193	0.0143	0.0151	0.0151



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