

POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
0.5 Undersize		4.492*	4.484	4.485
Standard		4.498	4.489	4.490
0.5 Oversize		4.507*	4.498	4.498
1 Oversize				
Nominal Fit at 75°F				
0.5 Undersize		-0.003*	0.005	0.004
Standard		-0.009	0.000	-0.001
0.5 Oversize		-0.018*	-0.009	-0.009
1 Oversize				

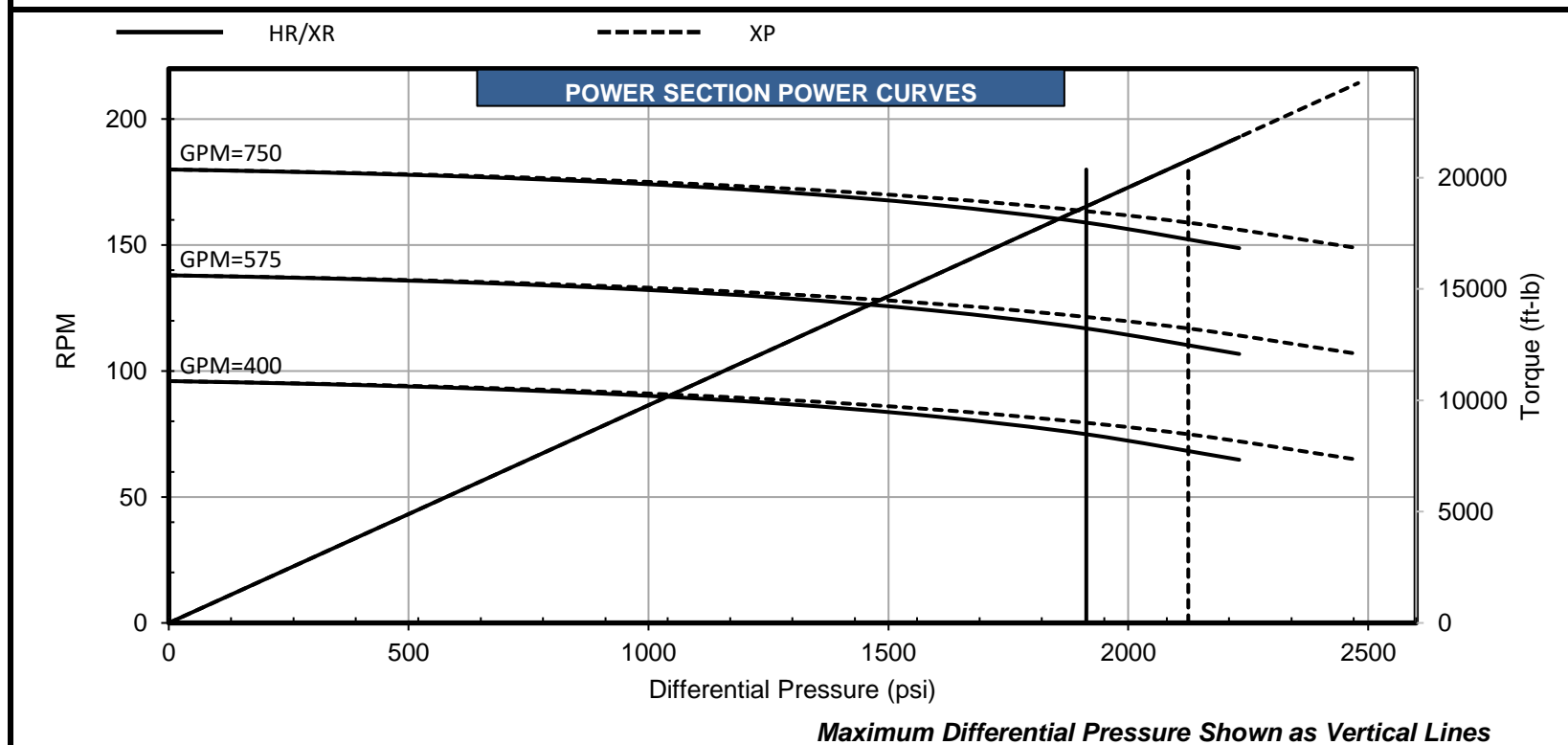
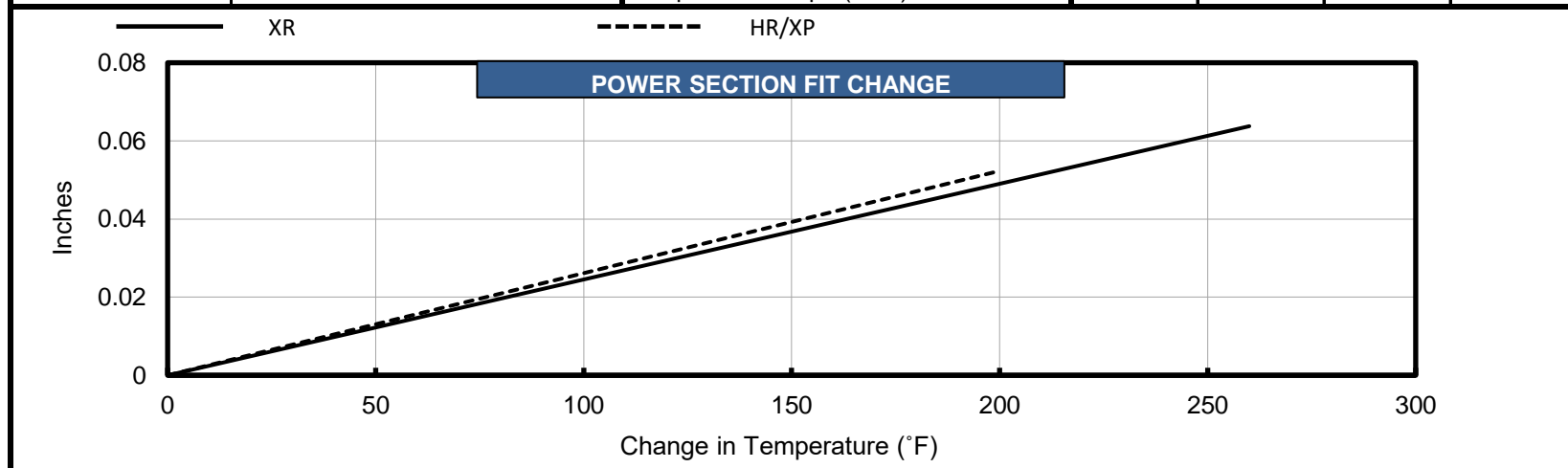
*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	294.0	Overall Length (in)	300.0
Contour Length** (in)	288.0	Cutback #1** (in)	7.0
Eccentricity (in)	0.268	Cutback #2** (in)	7.0
Major Diameter (in)	5.024	Tube O.D. (in)	7.00
Weight (lb)	1288	Tube I.D. (in)	5.75
Head Diameter*** (in)	5.00	Weight (lb)	979
Material**	145 KSI 17-4SS		
Thread Form***	API NC35		

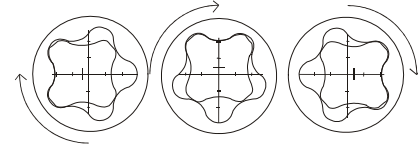
**Representative options given. Verify specific requirements before placing order.

***Customer specified

PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	9.783 ft-lb/psi		1910	1910	2130
Flow Range	400 to 750 GPM		18710	18710	20790
RPG	0.240 rev/gal		2870	2870	3190
Speed Range	96 to 180 RPM		28060	28060	31180
Off Bottom Press.	160 psi		566	566	629
			225	225	250
			31	31	35
			0.000245	0.000262	0.000262



Performance characteristics are estimates based on nominal conditions and are for reference only. Actual performance may be affected by rotor/stator fit, temperature, and other operating conditions. The torque may exceed the capacity of connected components and threads. Operating above the recommended limits of either the power section or connected components may reduce product life and result in damage to the power section and connected components. Data is subject to change without notice.



POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
0.5 Undersize		114.10*	113.89	113.92
Standard		114.25	114.02	114.05
0.5 Oversize		114.48*	114.25	114.25
1 Oversize				
Nominal Fit at 75°F				
0.5 Undersize		-0.08*	0.13	0.10
Standard		-0.23	0.00	-0.03
0.5 Oversize		-0.46*	-0.23	-0.23
1 Oversize				

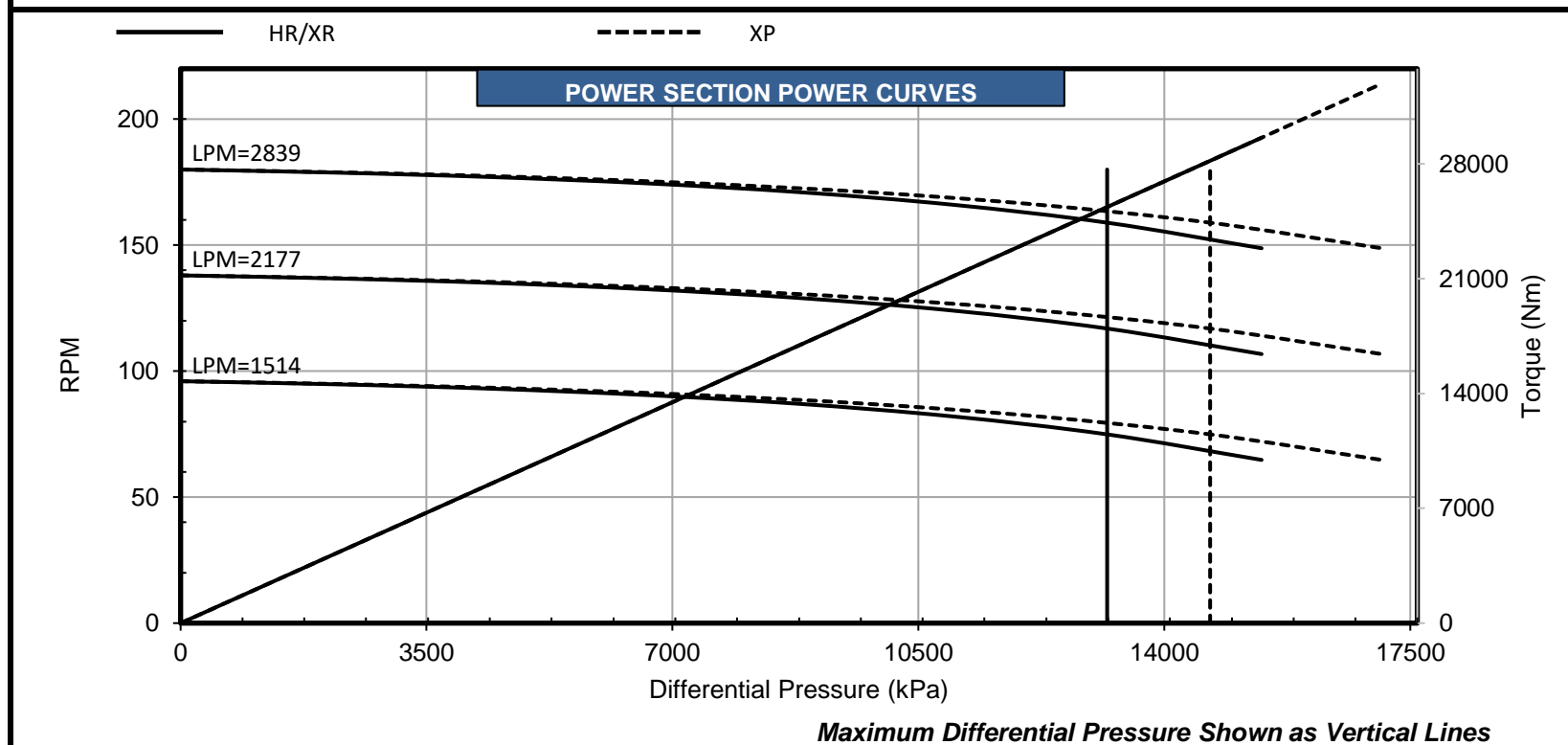
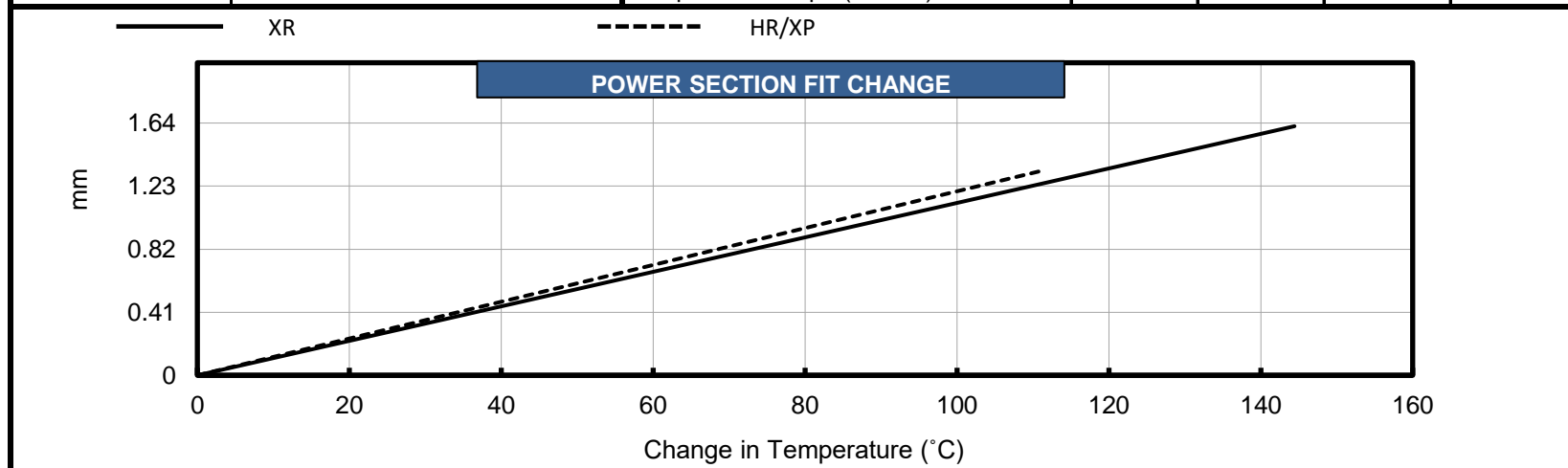
*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	7467.6	Overall Length (mm)	7620.0
Contour Length** (mm)	7315.2	Cutback #1** (mm)	177.8
Eccentricity (mm)	6.79	Cutback #2** (mm)	177.8
Major Diameter (mm)	127.61	Tube O.D. (mm)	177.8
Weight (kg)	584	Tube I.D. (mm)	146.1
Head Diameter*** (mm)	127.00	Weight (kg)	444
Material**	145 KSI 17-4SS		
Thread Form***	API NC35		

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***Customer specified

PERFORMANCE SPECIFICATIONS						
		NBR-1A	XR	HR	XP	
Torque Slope	1.924 Nm/kPa		13169	13169	14686	
Flow Range	1514 to 2839 Litre/min		25367	25367	28187	
RPG	0.063 rev/litre		19788	19788	21994	
Speed Range	96 to 180 RPM		38044	38044	42274	
Off Bottom Press.	1103 kPa		422	422	469	
			kPa Per Stage	1551	1551	1724
			kPa Per Cavity	214	214	241
			Temperature Slope (mm/°C)	0.0112	0.0120	0.0120



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