

## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard		3.820*	3.815	3.815*
1 Oversize		3.835*	3.831	3.831*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		-0.004*	0.001	0.001*
1 Oversize		-0.019*	-0.015	-0.015*
2 Oversize				

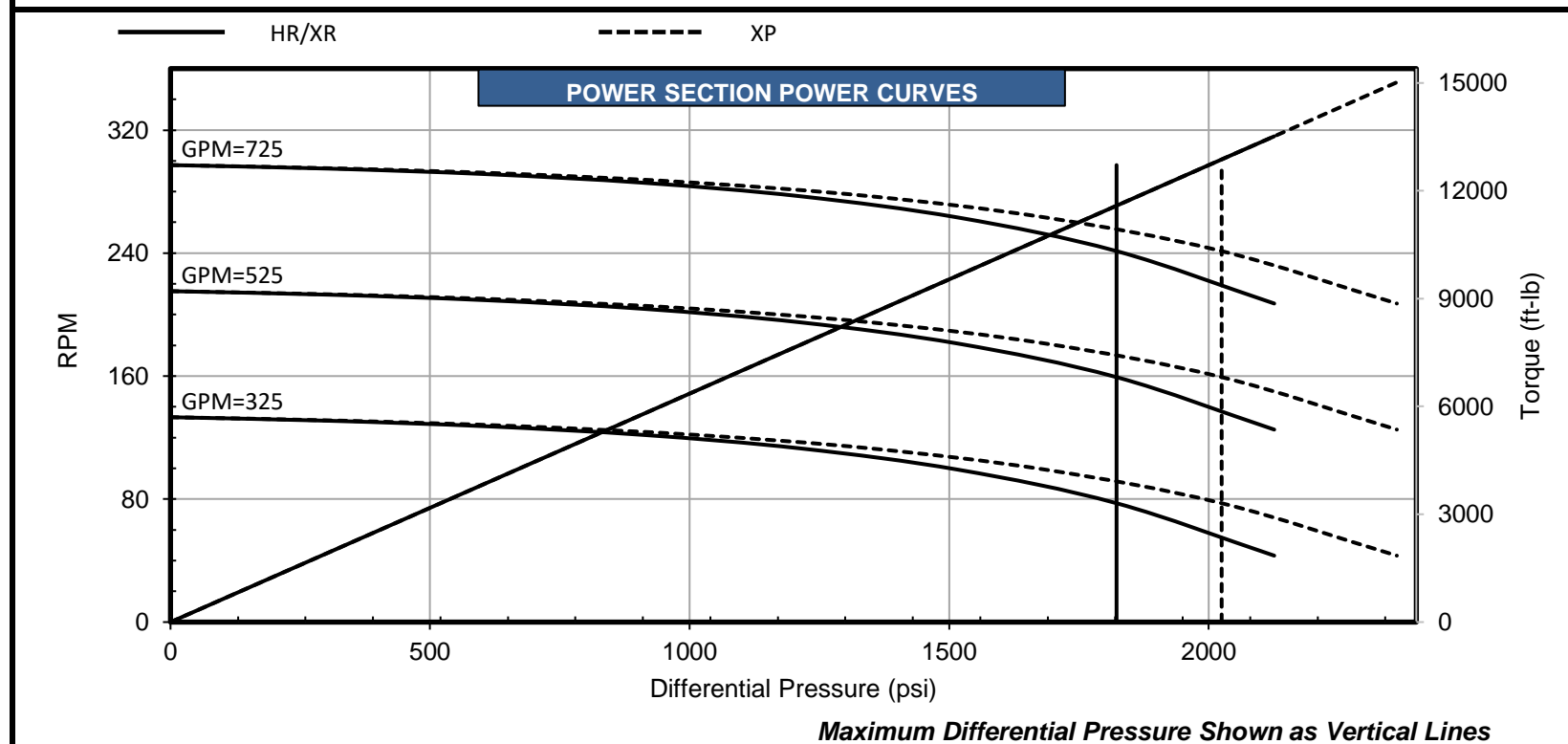
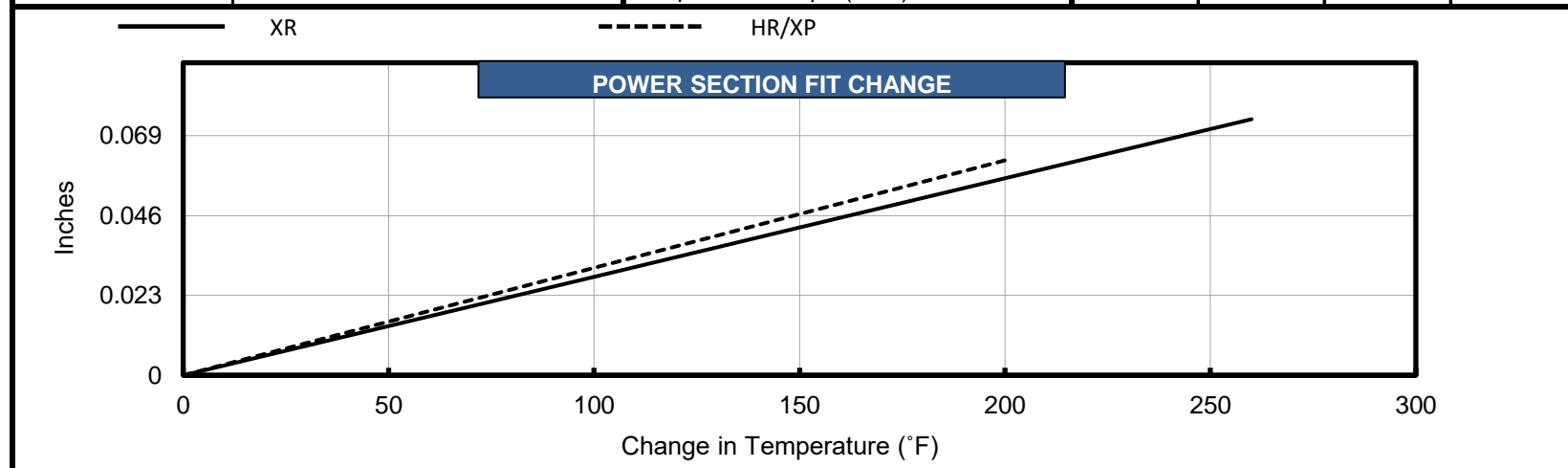
\*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	253.0	Overall Length (in)	260.0
Contour Length** (in)	246.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.297	Cutback #2** (in)	8.0
Major Diameter (in)	4.409	Tube O.D. (in)	6.75
Weight (lb)	1288	Tube I.D. (in)	5.50
Head Diameter*** (in)	4.000	Weight (lb)	987
Material**	17-4SS		
Thread Form***	2 7/8 API REG		

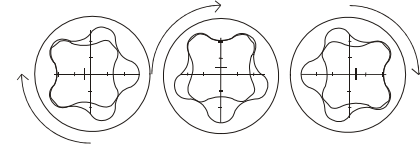
\*\*Representative options given. Verify specific requirements before placing order.

\*\*\*Customer specified

PERFORMANCE SPECIFICATIONS						
		NBR-1A	XR	HR	XP	
Torque Slope	6.357 ft-lb/psi		1820	1820	2030	
Flow Range	325 to 725 GPM		11590	11590	12870	
RPG	0.410 rev/gal		2730	2730	3040	
Speed Range	133 to 297 RPM		17380	17380	19310	
Off Bottom Press.	209 psi		532	532	591	
			PSI Per Stage	225	225	250
			PSI Per Cavity	42	42	46
			Temperature Slope (in/°F)	0.000284	0.000310	0.000310



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
1 Undersize				
Standard		97.03*	96.90	96.90*
1 Oversize		97.41*	97.31	97.31*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		-0.10*	0.03	0.03*
1 Oversize		-0.48*	-0.38	-0.38*
2 Oversize				

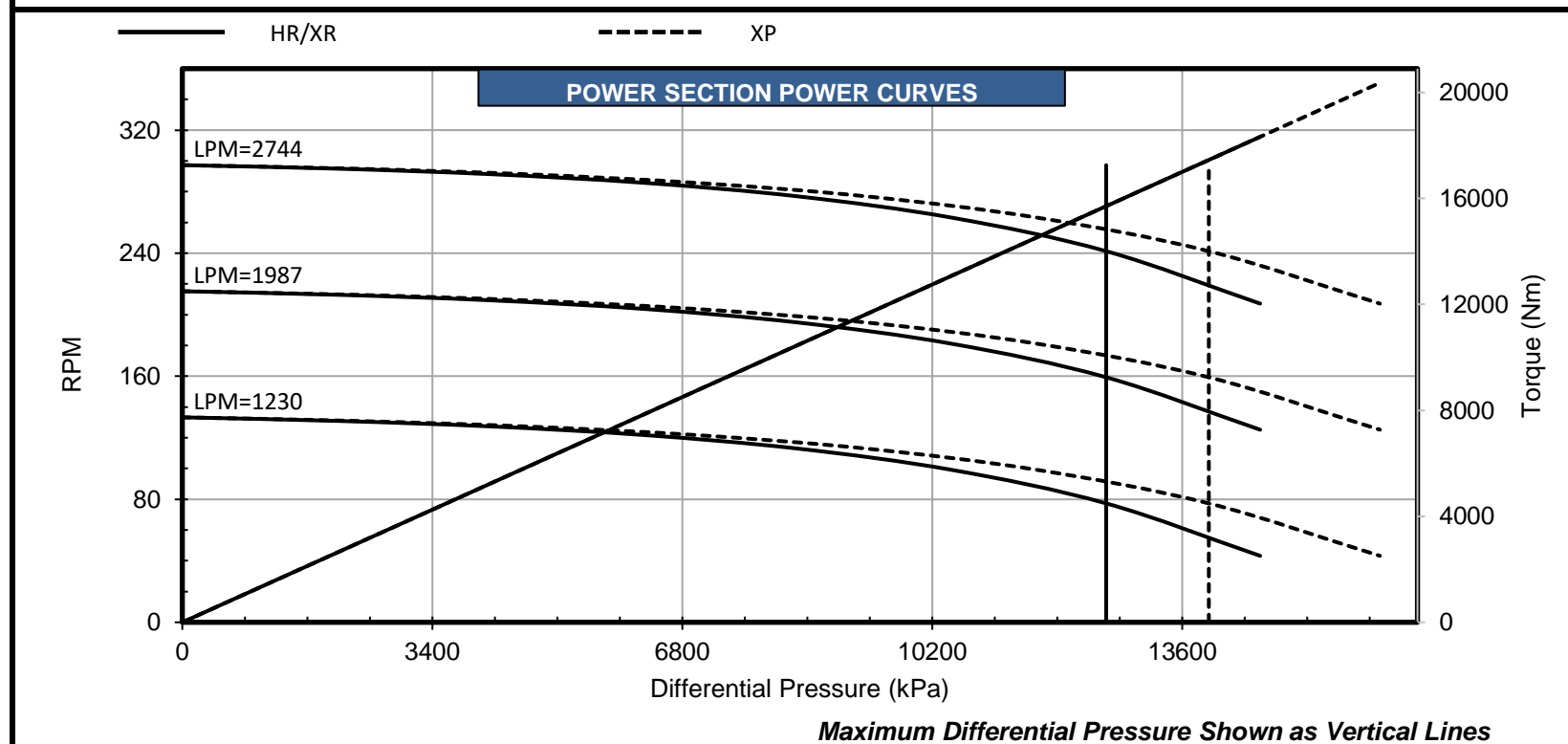
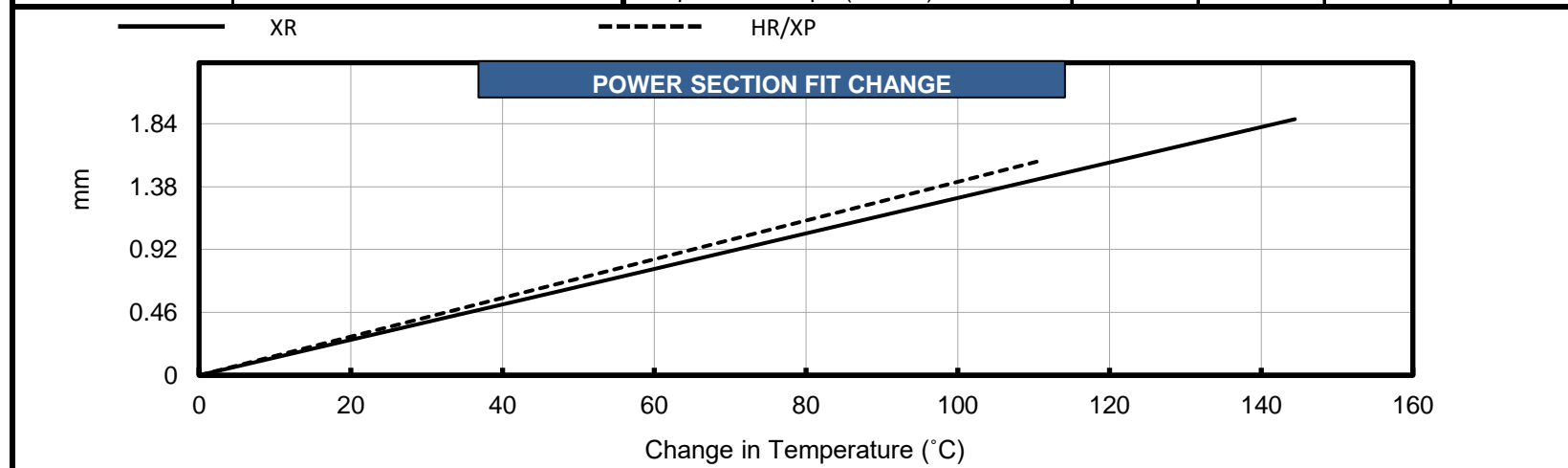
\*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	6426.2	Overall Length (mm)	6604.0
Contour Length** (mm)	6248.4	Cutback #1** (mm)	203.2
Eccentricity (mm)	7.54	Cutback #2** (mm)	203.2
Major Diameter (mm)	111.99	Tube O.D. (mm)	171.5
Weight (kg)	584	Tube I.D. (mm)	139.7
Head Diameter*** (mm)	101.60	Weight (kg)	448
Material**	17-4SS		
Thread Form***	2 7/8 API REG		

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

\*\*\*Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.250 Nm/kPa	Max. Diff. Press. (kPa)		12548	12548	13996
Flow Range	1230 to 2744 Litre/min	Max. Torque (Nm)		15714	15714	17449
RPG	0.108 rev/litre	Stall Diff. Press. (kPa)		18823	18823	20960
Speed Range	133 to 297 RPM	Stall Torque (Nm)		23564	23564	26181
Off Bottom Press.	1441 kPa	Max. Recommended (kW)		397	397	441
		kPa Per Stage		1551	1551	1724
		kPa Per Cavity		290	290	317
		Temperature Slope (mm/°C)		0.0130	0.0142	0.0142



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.