

POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
0.5 Undersize			5.013	5.019*
Standard		5.028*	5.028*	5.028*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
0.5 Undersize			0.014	0.008*
Standard		-0.001*	-0.001*	-0.001*
1 Oversize				
2 Oversize				

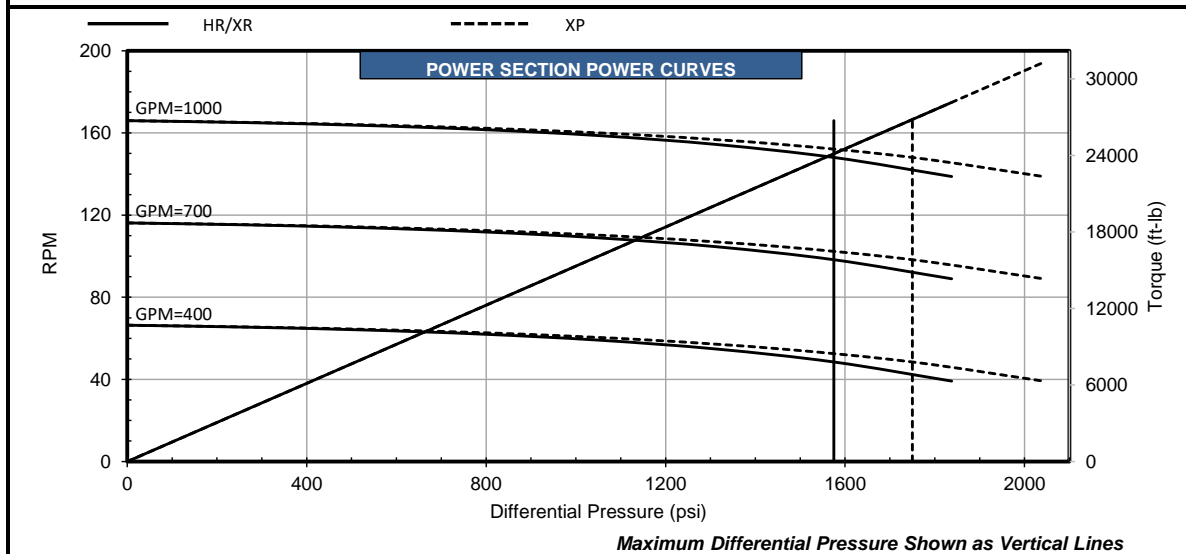
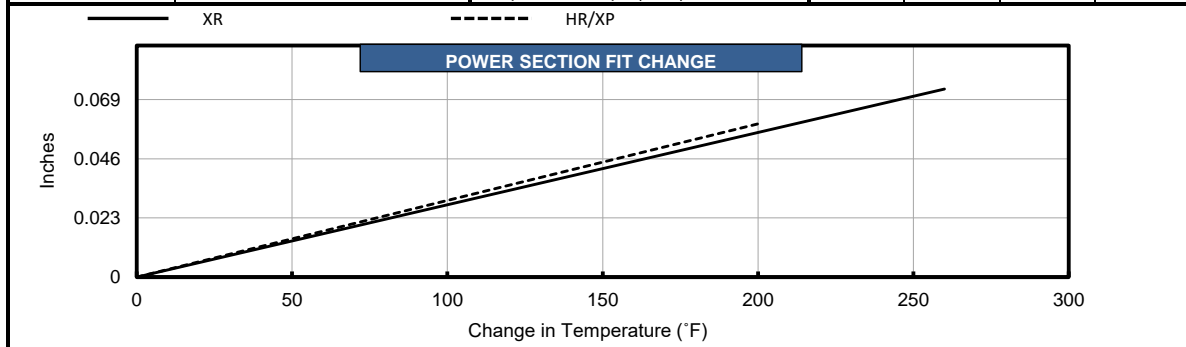
*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	295.0	Overall Length (in)	300.0
Contour Length** (in)	286.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.307	Cutback #2** (in)	8.0
Major Diameter (in)	5.641	Tube O.D. (in)	8.25
Weight (lb)	1610	Tube I.D. (in)	6.50
Head Diameter*** (in)	5.300	Weight (lb)	1643
Material**	145 KSI 17-4SS		
Thread Form***	4 API FH		

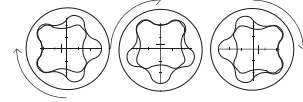
**Representative options given. Verify specific requirements before placing order.

***Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	15.323 ft-lb/psi	Max. Diff. Press. (psi)		1580	1580	1750
Flow Range	400 to 1000 GPM	Max. Torque (ft-lb)		24130	24130	26820
RPG	0.166 rev/gal	Stall Diff. Press. (psi)		2360	2360	2630
Speed Range	66 to 166 RPM	Stall Torque (ft-lb)		36200	36200	40220
Off Bottom Press.	157 psi	Max. Recommended (HP)		680	680	756
		PSI Per Stage		225	225	250
		PSI Per Cavity		32	32	36
		Temperature Slope (in/°F)		0.000281	0.000298	0.000298



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			127.33	127.48*
Standard		127.71*	127.71*	127.71*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
0.5 Undersize			0.36	0.20*
Standard		-0.03*	-0.03*	-0.03*
1 Oversize				
2 Oversize				

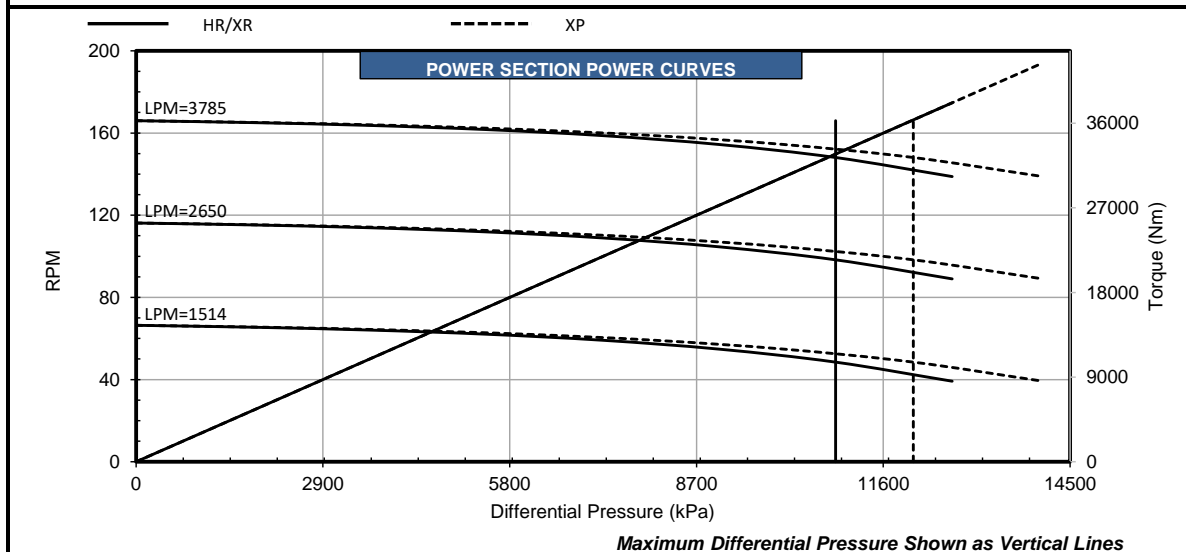
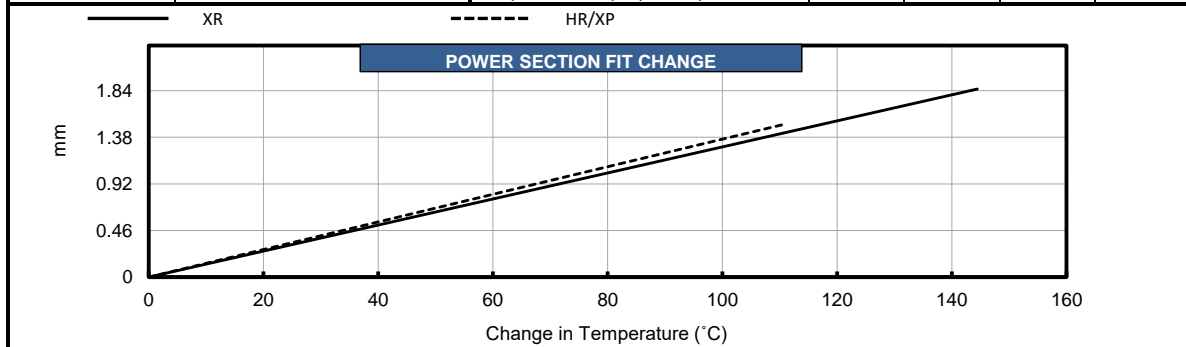
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	7493.0	Overall Length (mm)	7620.0
Contour Length** (mm)	7264.4	Cutback #1** (mm)	203.2
Eccentricity (mm)	7.80	Cutback #2** (mm)	203.2
Major Diameter (mm)	143.28	Tube O.D. (mm)	209.6
Weight (kg)	730	Tube I.D. (mm)	165.1
Head Diameter*** (mm)	134.62	Weight (kg)	745
Material**	145 KSI 17-4SS		
Thread Form***	4 API FH		

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***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.013 Nm/kPa	Max. Diff. Press. (kPa)		10894	10894	12066
Flow Range	1514 to 3785 Litre/min	Max. Torque (Nm)		32716	32716	36363
RPG	0.044 rev/litre	Stall Diff. Press. (kPa)		16272	16272	18133
Speed Range	66 to 166 RPM	Stall Torque (Nm)		49081	49081	54531
Off Bottom Press.	1082 kPa	Max. Recommended (kW)		508	508	564
		kPa Per Stage		1551	1551	1724
		kPa Per Cavity		221	221	248
		Temperature Slope (mm/°C)		0.0129	0.0136	0.0136



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