

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				

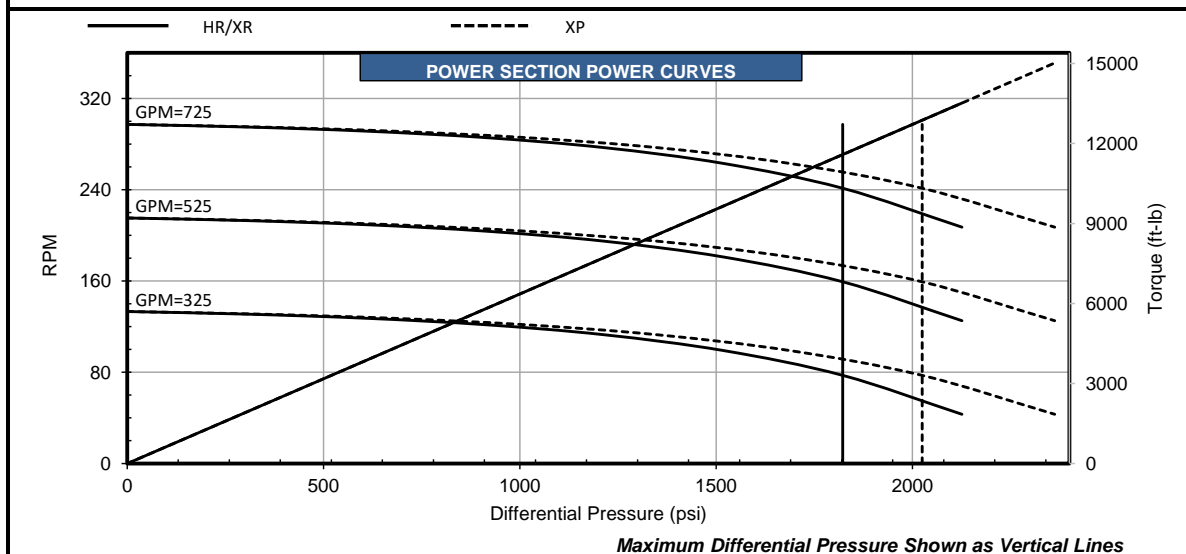
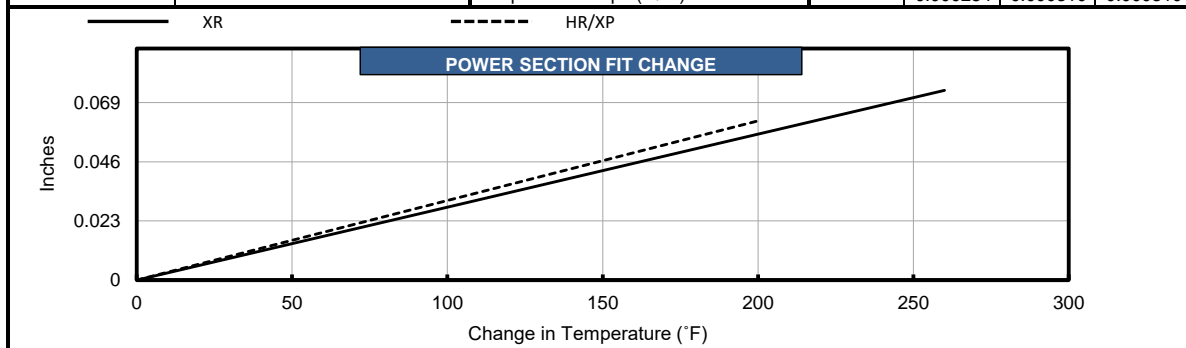
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	253.0	Overall Length (in)	260.0
Contour Length** (in)	246.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.297	Cutback #2** (in)	8.0
Major Diameter (in)	4.409	Tube O.D. (in)	6.60
Weight (lb)	1288	Tube I.D. (in)	5.50
Head Diameter*** (in)	4.000	Weight (lb)	865
Material**	17-4SS		
Thread Form***	2 7/8 API REG		

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

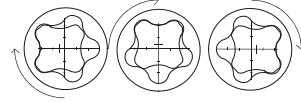
***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	6.357 ft-lb/psi	Max. Diff. Press. (psi)		1820	1820	2030
Flow Range	325 to 725 GPM	Max. Torque (ft-lb)		11590	11590	12870
RPG	0.410 rev/gal	Stall Diff. Press. (psi)		2730	2730	3040
Speed Range	133 to 297 RPM	Stall Torque (ft-lb)		17380	17380	19310
Off Bottom Press.	209 psi	Max. Recommended (HP)		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				

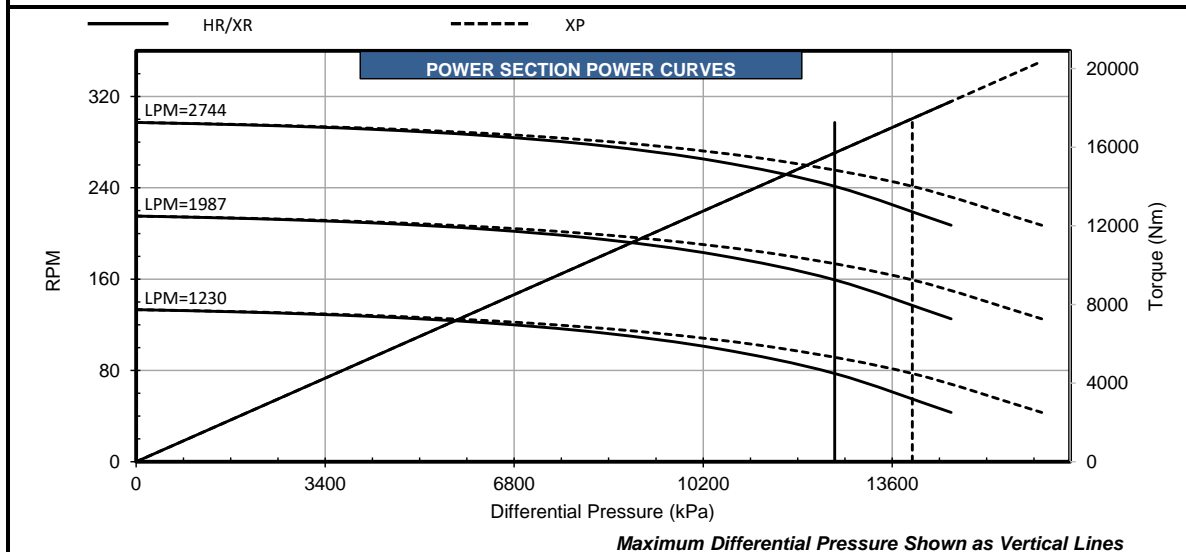
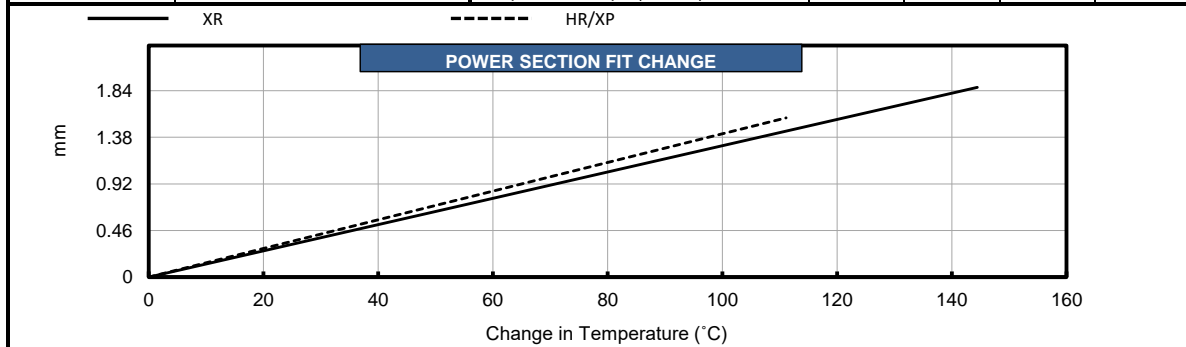
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	6426.2	Overall Length (mm)	6604.0
Contour Length** (mm)	6248.4	Cutback #1** (mm)	203.2
Eccentricity (mm)	7.54	Cutback #2** (mm)	203.2
Major Diameter (mm)	111.99	Tube O.D. (mm)	167.6
Weight (kg)	584	Tube I.D. (mm)	139.7
Head Diameter*** (mm)	101.60	Weight (kg)	392
Material**	17-4SS		
Thread Form***	2 7/8 API REG		

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***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
		NBR-1A	XR	HR	XP	
Torque Slope	1.250 Nm/kPa		12548	12548	13996	
Flow Range	1230 to 2744 Litre/min		15714	15714	17449	
RPG	0.108 rev/litre		18823	18823	20960	
Speed Range	133 to 297 RPM		23564	23564	26181	
Off Bottom Press.	1441 kPa		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



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