

## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			3.998	3.998*
Standard				
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.010	0.010*
Standard				
1 Oversize				
2 Oversize				

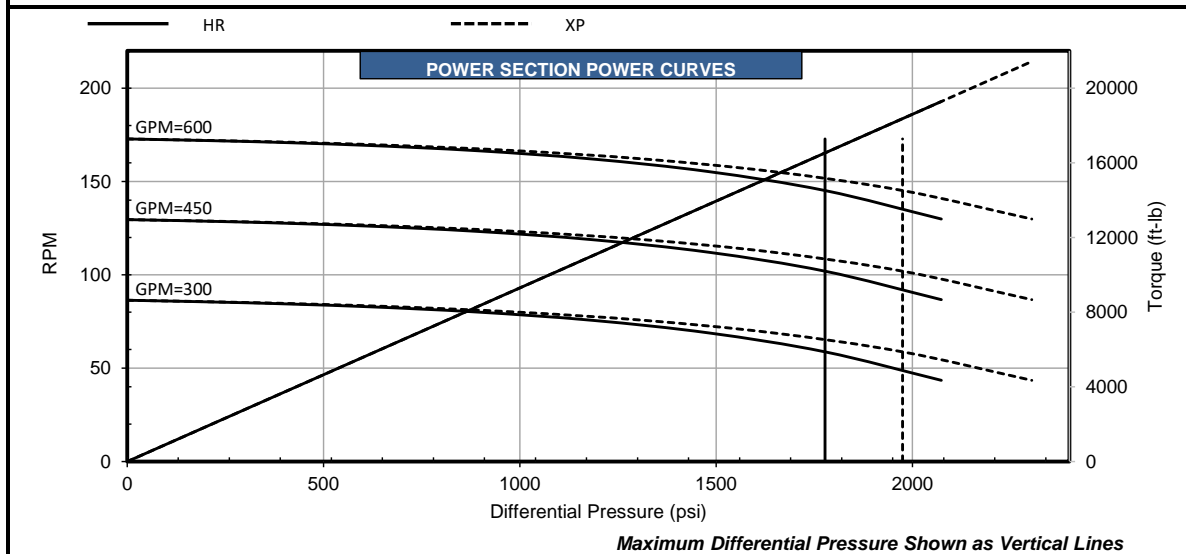
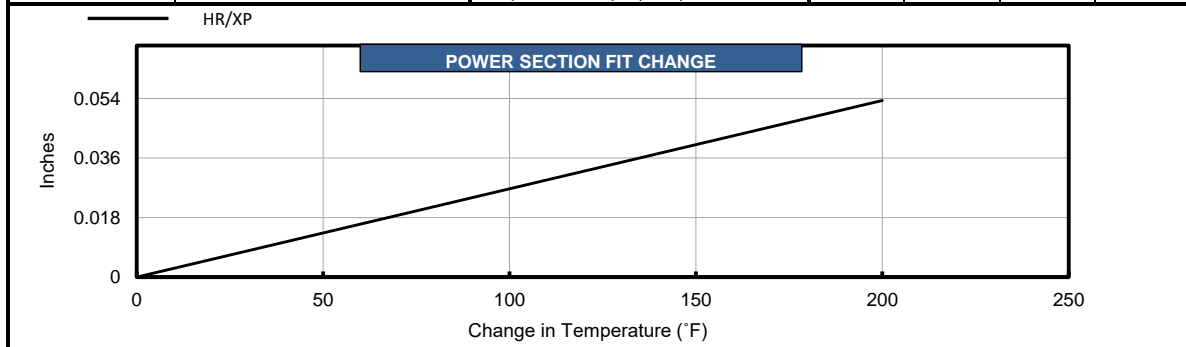
\*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	301.5	Overall Length (in)	300.0
Contour Length** (in)	285.0	Cutback #1** (in)	7.5
Eccentricity (in)	0.256	Cutback #2** (in)	7.5
Major Diameter (in)	4.520	Tube O.D. (in)	7.00
Weight (lb)	1081	Tube I.D. (in)	5.50
Head Diameter*** (in)	5.060	Weight (lb)	1343
Material**	17-4SS		
Thread Form***	API NC35		

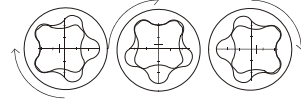
\*\*Representative options given. Verify specific requirements before placing order.

\*\*\*Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	9.300 ft-lb/psi	Max. Diff. Press. (psi)			1780	1980
Flow Range	300 to 600 GPM	Max. Torque (ft-lb)			16530	18370
RPG	0.288 rev/gal	Stall Diff. Press. (psi)			2670	2960
Speed Range	86 to 173 RPM	Stall Torque (ft-lb)			24800	27550
Off Bottom Press.	136 psi	Max. Recommended (HP)			457	508
		PSI Per Stage			225	250
		PSI Per Cavity			32	35
		Temperature Slope (in/°F)			0.000267	0.000267



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			101.55	101.55*
Standard				
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.25	0.25*
Standard				
1 Oversize				
2 Oversize				

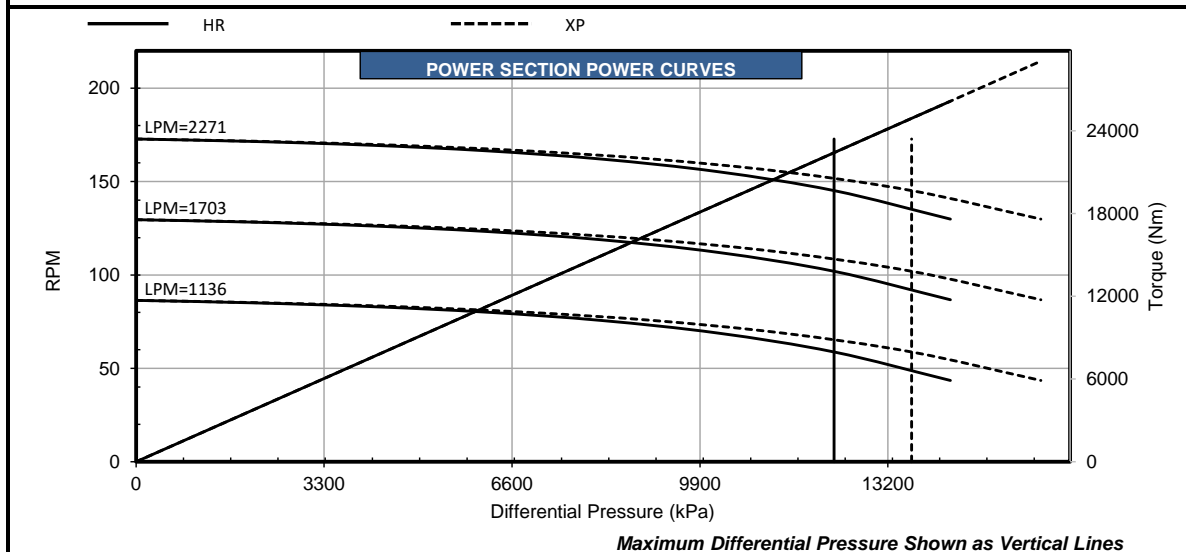
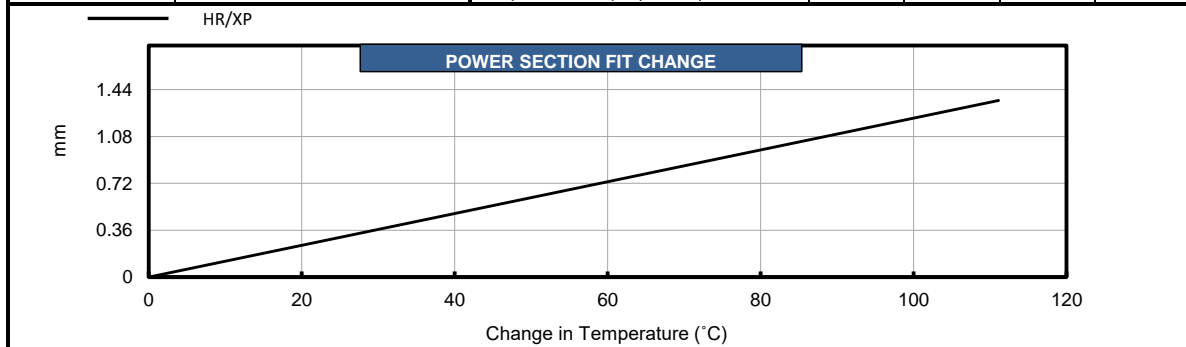
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	7658.1	Overall Length (mm)	7620.0
Contour Length** (mm)	7239.0	Cutback #1** (mm)	190.5
Eccentricity (mm)	6.50	Cutback #2** (mm)	190.5
Major Diameter (mm)	114.81	Tube O.D. (mm)	177.8
Weight (kg)	490	Tube I.D. (mm)	139.7
Head Diameter*** (mm)	128.52	Weight (kg)	609
Material**	17-4SS		
Thread Form***	API NC35		

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

\*\*\*Customer specified

\*Pending production measurements

PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	1.829 Nm/kPa			12273	13652
Flow Range	1136 to 2271 Litre/min			22412	24906
RPG	0.076 rev/litre			18409	20408
Speed Range	86 to 173 RPM			33624	37353
Off Bottom Press.	938 kPa			341	379
				kPa Per Stage	1551 1724
				kPa Per Cavity	221 241
				Temperature Slope (mm/°C)	0.0122 0.0122



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.