

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				

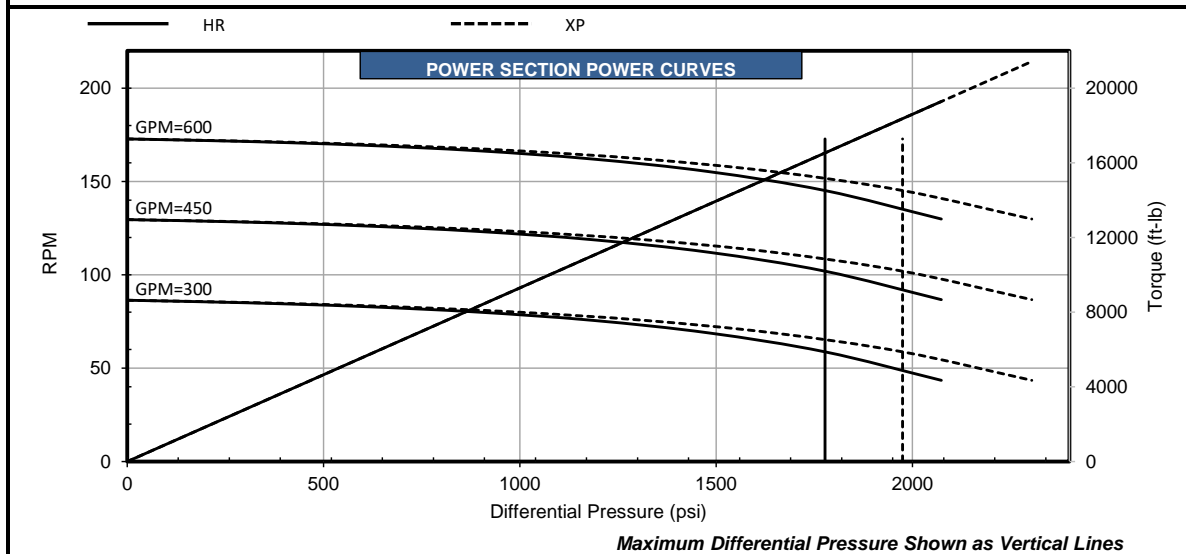
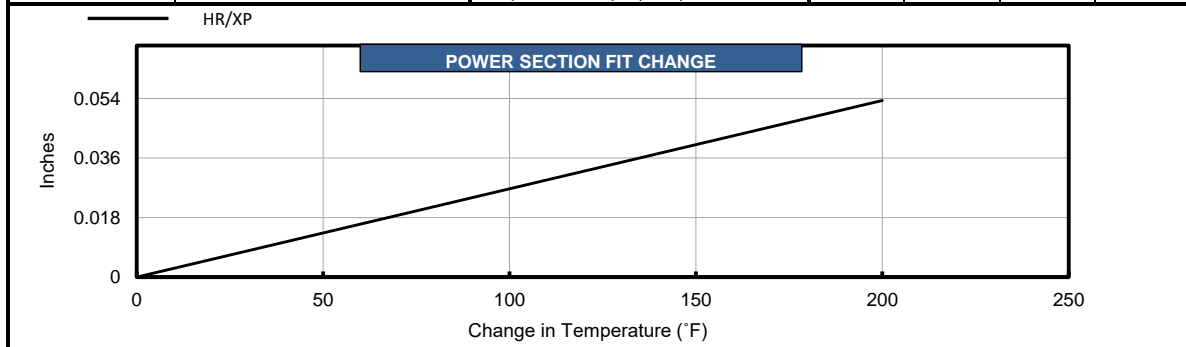
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	301.5	Overall Length (in)	300.0
Contour Length** (in)	285.0	Cutback #1** (in)	7.5
Eccentricity (in)	0.256	Cutback #2** (in)	7.5
Major Diameter (in)	4.520	Tube O.D. (in)	6.75
Weight (lb)	1081	Tube I.D. (in)	5.50
Head Diameter*** (in)	5.060	Weight (lb)	1117
Material**	145 KSI 17-4SS		
Thread Form***	BLANK		

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

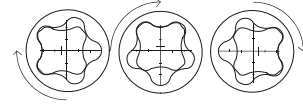
***Customer specified

*Pending production measurements

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				

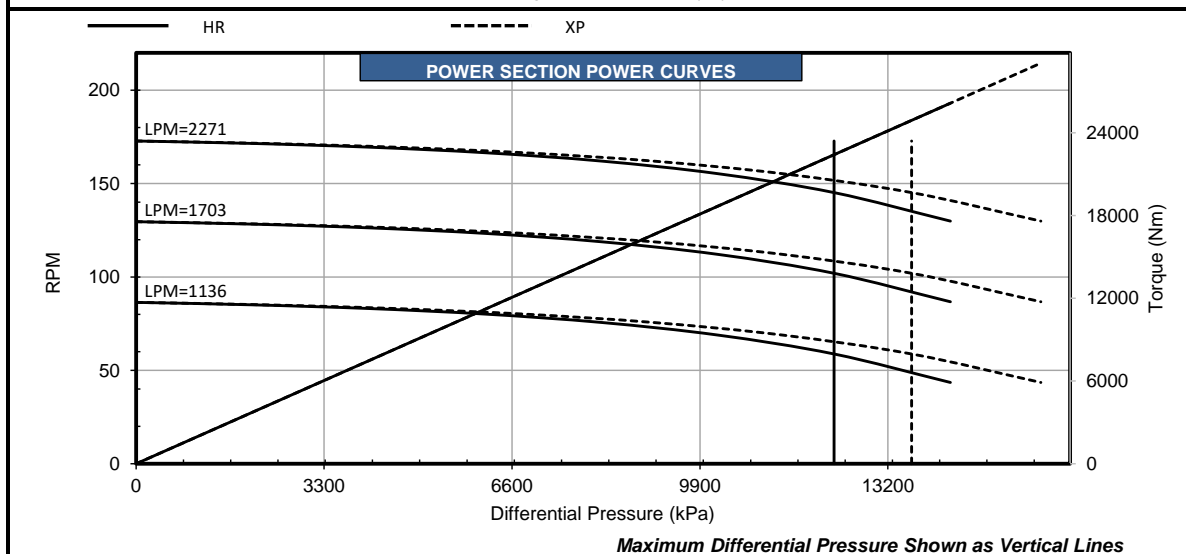
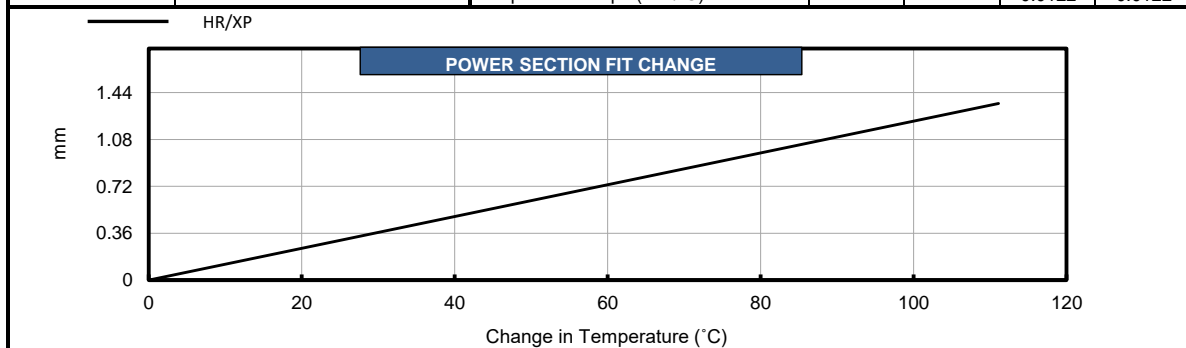
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	7658.1	Overall Length (mm)	7620.0
Contour Length** (mm)	7239.0	Cutback #1** (mm)	190.5
Eccentricity (mm)	6.50	Cutback #2** (mm)	190.5
Major Diameter (mm)	114.81	Tube O.D. (mm)	171.5
Weight (kg)	490	Tube I.D. (mm)	139.7
Head Diameter*** (mm)	128.52	Weight (kg)	507
Material**	145 KSI 17-4SS		
Thread Form***	BLANK		

**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	Max. Diff. Press. (kPa)			12273	13652
Flow Range	1136 to 2271 Litre/min	Max. Torque (Nm)			22412	24906
RPG	0.076 rev/litre	Stall Diff. Press. (kPa)			18409	20408
Speed Range	86 to 173 RPM	Stall Torque (Nm)			33624	37353
Off Bottom Press.	938 kPa	Max. Recommended (kW)			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.