

POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			2.864	2.864*
1 Oversize			2.875	2.874*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.000	0.000*
1 Oversize			-0.011	-0.010*
2 Oversize				

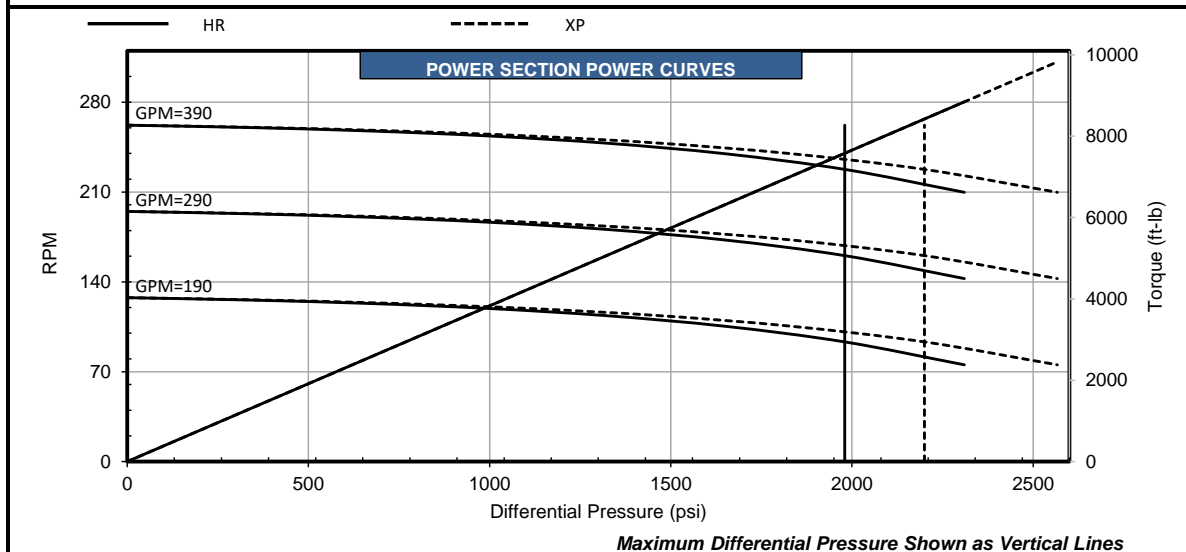
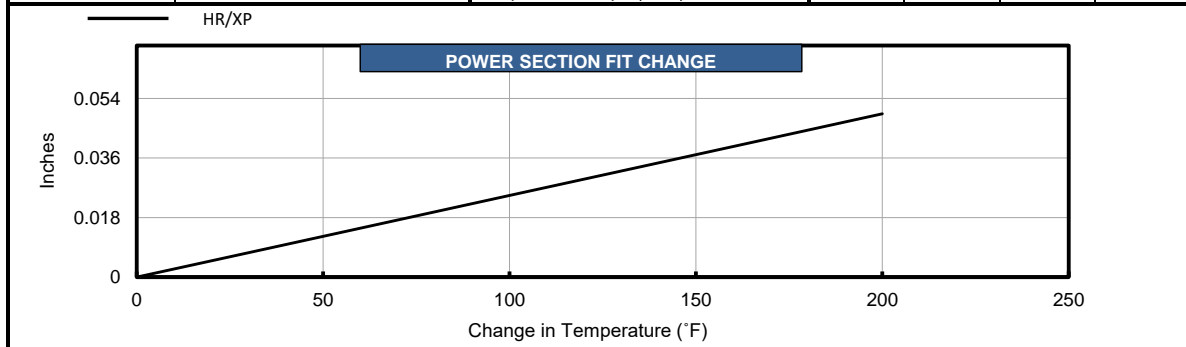
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	265.0	Overall Length (in)	275.0
Contour Length** (in)	255.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.217	Cutback #2** (in)	8.0
Major Diameter (in)	3.298	Tube O.D. (in)	5.00
Weight (lb)	464	Tube I.D. (in)	4.00
Head Diameter*** (in)	3.40	Weight (lb)	517
Material**	145 KSI 17-4SS		
Thread Form***	BLNK		

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

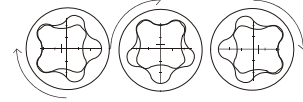
***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.829 ft-lb/psi	Max. Diff. Press. (psi)			1980	2200
Flow Range	190 to 390 GPM	Max. Torque (ft-lb)			7580	8420
RPG	0.672 rev/gal	Stall Diff. Press. (psi)			2970	3300
Speed Range	128 to 262 RPM	Stall Torque (ft-lb)			11370	12640
Off Bottom Press.	135 psi	Max. Recommended (HP)			329	365
		PSI Per Stage			225	250
		PSI Per Cavity			36	40
		Temperature Slope (in/°F)			0.000247	0.000247



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			72.75	72.75*
1 Oversize			73.03	73.00*
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.00	0.00*
1 Oversize			-0.28	-0.25*
2 Oversize				

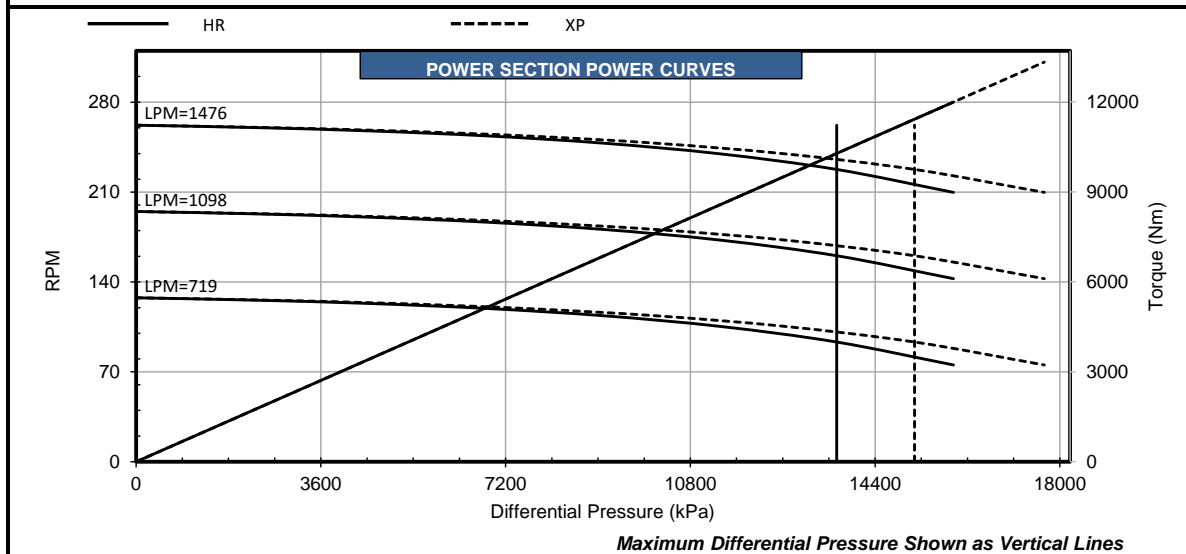
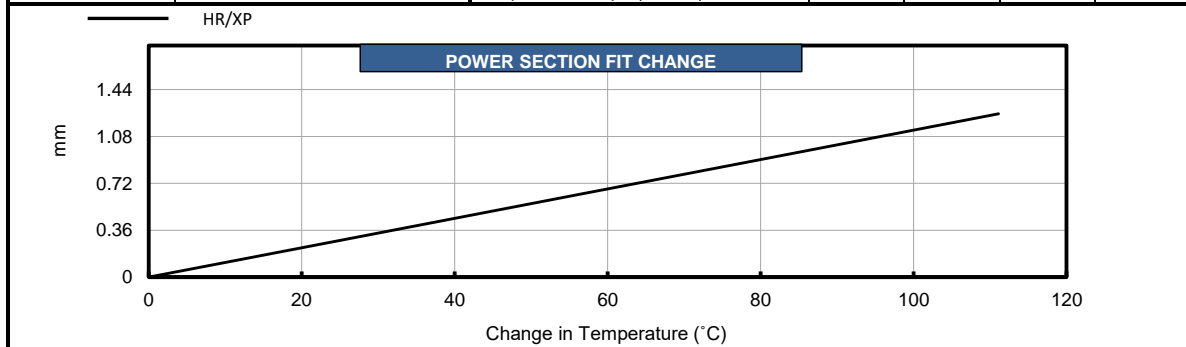
*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	6731.0	Overall Length (mm)	6985.0
Contour Length** (mm)	6477.0	Cutback #1** (mm)	203.2
Eccentricity (mm)	5.51	Cutback #2** (mm)	203.2
Major Diameter (mm)	83.77	Tube O.D. (mm)	127.0
Weight (kg)	210	Tube I.D. (mm)	101.6
Head Diameter*** (mm)	86.36	Weight (kg)	235
Material**	145 KSI 17-4SS		
Thread Form***	BLNK		

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***Customer specified

PERFORMANCE SPECIFICATIONS					
		NBR-1A	XR	HR	XP
Torque Slope	0.753 Nm/kPa			13652	15168
Flow Range	719 to 1476 Litre/min			10277	11416
RPG	0.178 rev/litre			20477	22753
Speed Range	128 to 262 RPM			15416	17138
Off Bottom Press.	931 kPa			245	272
				kPa Per Stage	1551 1724
				kPa Per Cavity	248 276
				Temperature Slope (mm/°C)	0.0113 0.0113



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