

## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard		4.385*	4.385	4.385*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.001*	0.001	0.001*
1 Oversize				
2 Oversize				

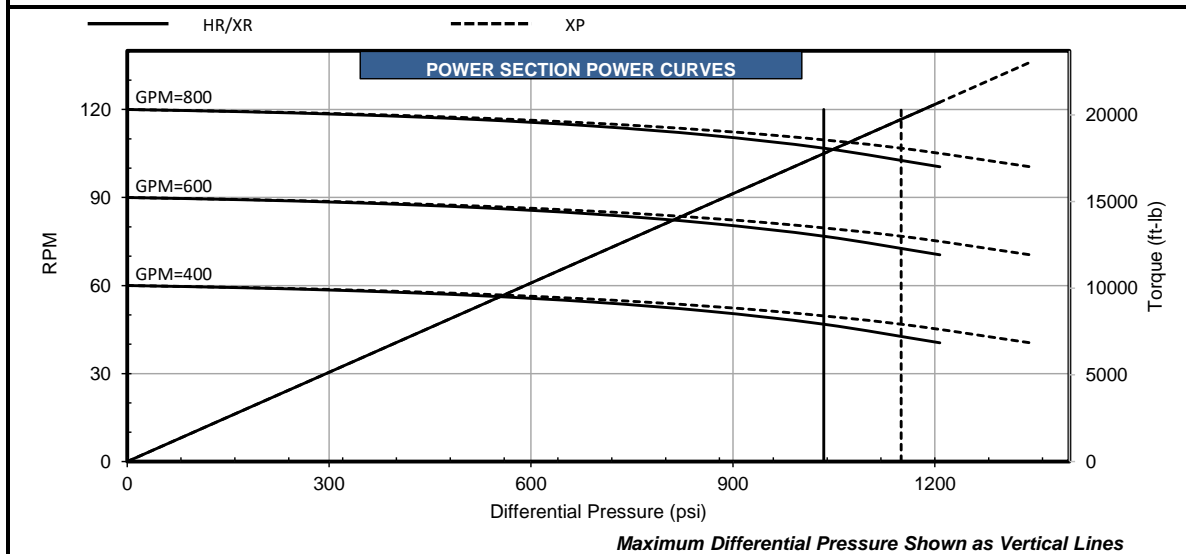
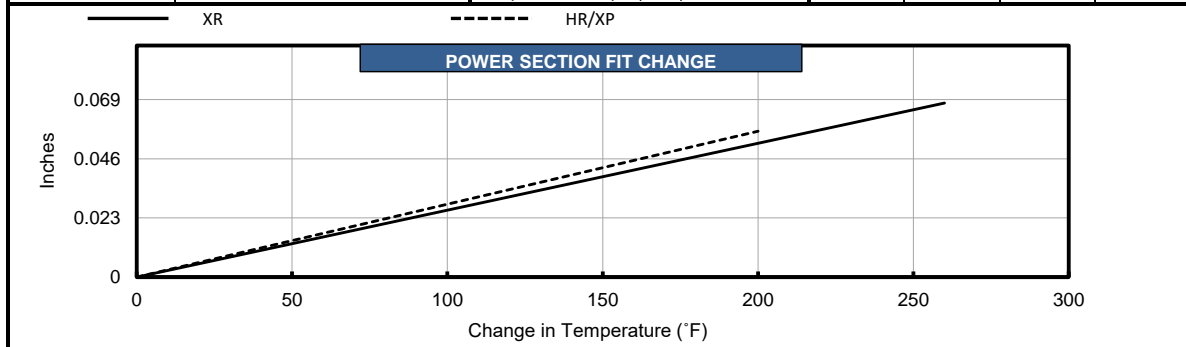
\*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	293.0	Overall Length (in)	300.0
Contour Length** (in)	286.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.294	Cutback #2** (in)	8.0
Major Diameter (in)	4.973	Tube O.D. (in)	7.25
Weight (lb)	1193	Tube I.D. (in)	6.00
Head Diameter*** (in)	5.000	Weight (lb)	1195
Material**	145 KSI 17-4SS		
Thread Form***	BLANK		

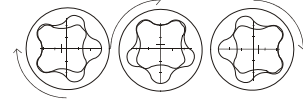
\*\*Representative options given. Verify specific requirements before placing order.

\*\*\*Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	17.173 ft-lb/psi	Max. Diff. Press. (psi)		1040	1040	1150
Flow Range	400 to 800 GPM	Max. Torque (ft-lb)		17770	17770	19750
RPG	0.150 rev/gal	Stall Diff. Press. (psi)		1550	1550	1730
Speed Range	60 to 120 RPM	Stall Torque (ft-lb)		26660	26660	29620
Off Bottom Press.	102 psi	Max. Recommended (HP)		361	361	402
		PSI Per Stage		225	225	250
		PSI Per Cavity		40	40	44
		Temperature Slope (in/°F)		0.000260	0.000283	0.000283



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		111.38*	111.38	111.38*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.03*	0.03	0.03*
1 Oversize				
2 Oversize				

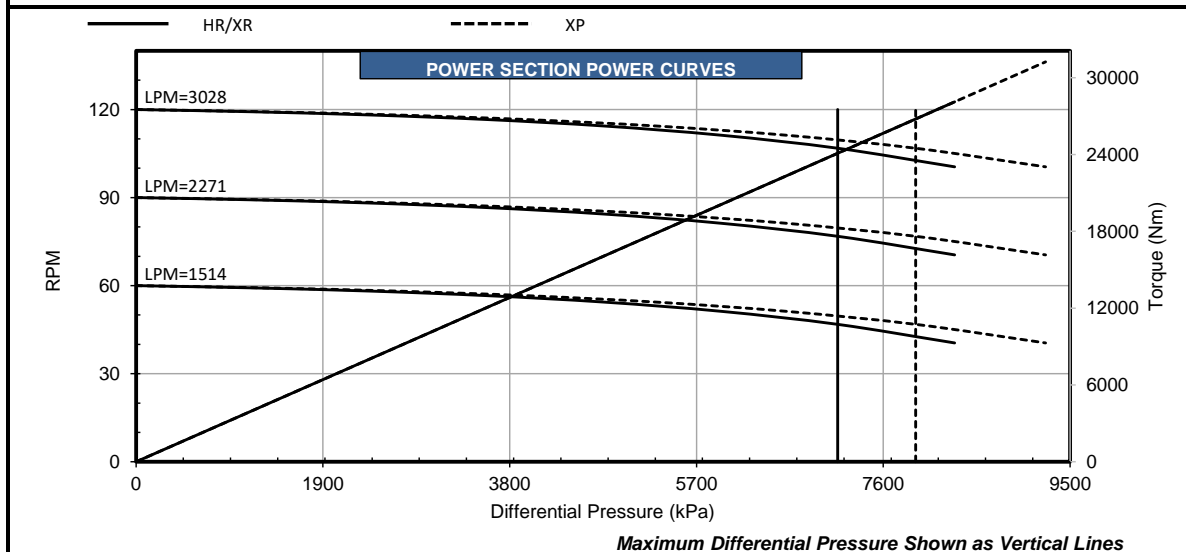
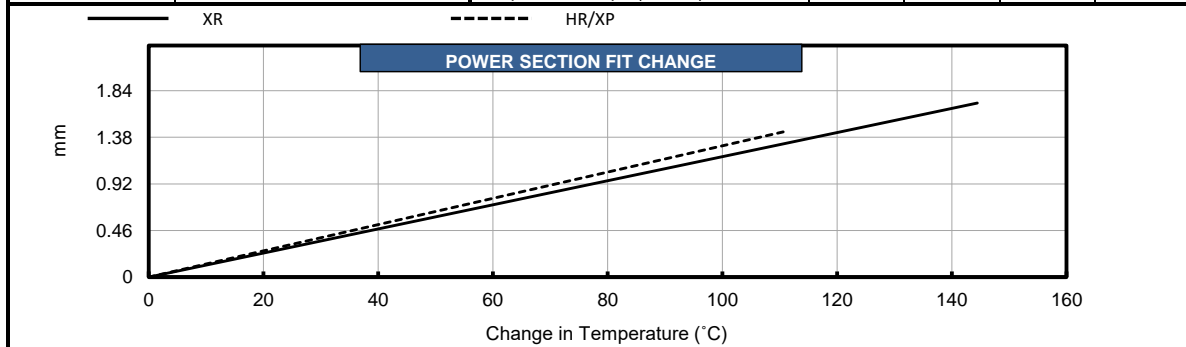
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	7442.2	Overall Length (mm)	7620.0
Contour Length** (mm)	7264.4	Cutback #1** (mm)	203.2
Eccentricity (mm)	7.46	Cutback #2** (mm)	203.2
Major Diameter (mm)	126.31	Tube O.D. (mm)	184.2
Weight (kg)	541	Tube I.D. (mm)	152.4
Head Diameter*** (mm)	127.00	Weight (kg)	542
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	3.377 Nm/kPa		7171	7171	7929	
Flow Range	1514 to 3028 Litre/min		24093	24093	26777	
RPG	0.040 rev/litre		10687	10687	11928	
Speed Range	60 to 120 RPM		36146	36146	40159	
Off Bottom Press.	703 kPa		270	270	300	
			kPa Per Stage	1551	1551	1724
			kPa Per Cavity	276	276	303
			Temperature Slope (mm/°C)	0.0119	0.0130	0.0130



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