

## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard		3.416*	3.416	3.416*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.001*	0.001	0.001*
1 Oversize				
2 Oversize				

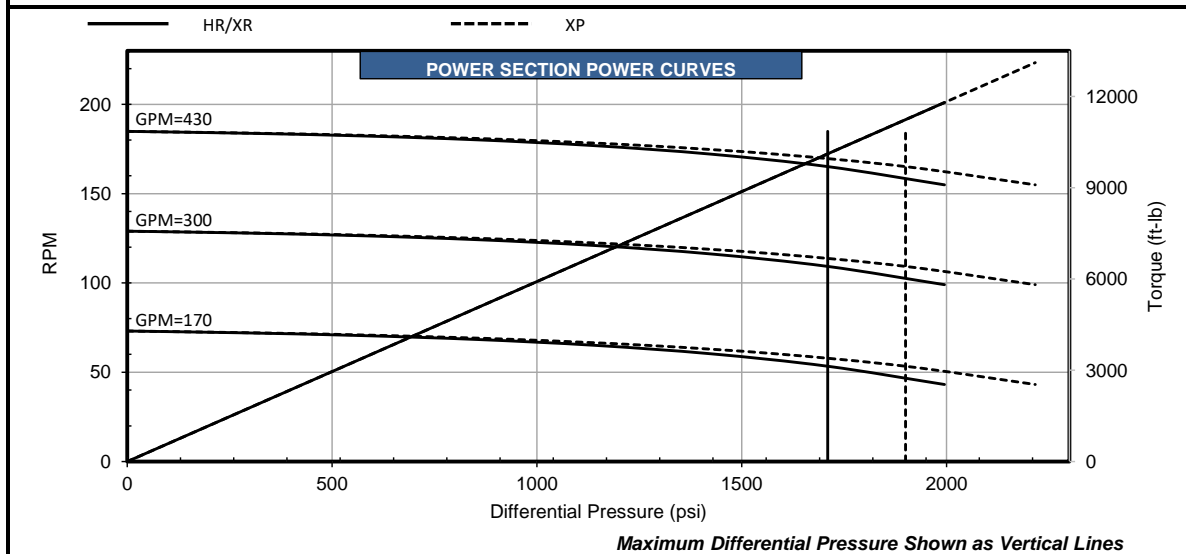
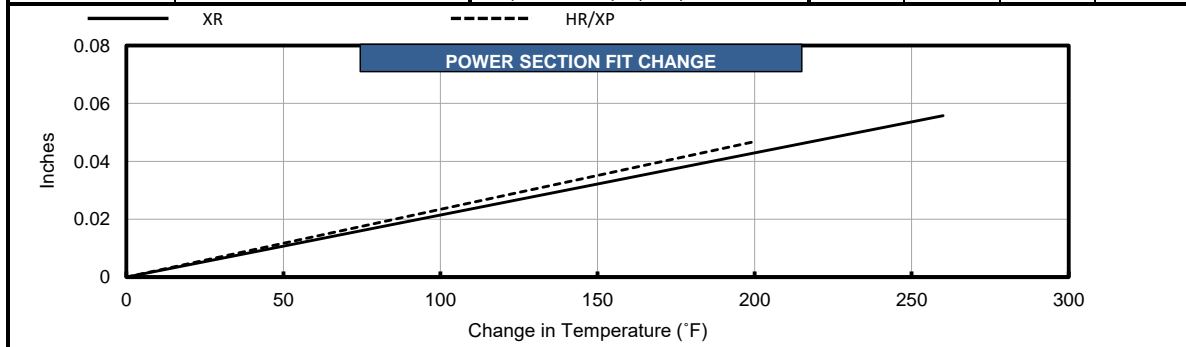
\*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	273.0	Overall Length (in)	280.0
Contour Length** (in)	266.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.205	Cutback #2** (in)	8.0
Major Diameter (in)	3.826	Tube O.D. (in)	5.50
Weight (lb)	736	Tube I.D. (in)	4.50
Head Diameter*** (in)	4.250	Weight (lb)	585
Material**	145 KSI 17-4SS		
Thread Form***	BLANK		

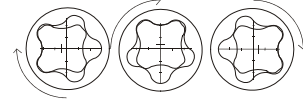
\*\*Representative options given. Verify specific requirements before placing order.

\*\*\*Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	5.915 ft-lb/psi	Max. Diff. Press. (psi)		1710	1710	1900
Flow Range	170 to 430 GPM	Max. Torque (ft-lb)		10110	10110	11240
RPG	0.430 rev/gal	Stall Diff. Press. (psi)		2570	2570	2850
Speed Range	73 to 185 RPM	Stall Torque (ft-lb)		15170	15170	16860
Off Bottom Press.	105 psi	Max. Recommended (HP)		318	318	353
		PSI Per Stage		225	225	250
		PSI Per Cavity		32	32	35
		Temperature Slope (in/°F)		0.000215	0.000234	0.000234



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		86.77*	86.77	86.77*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.03*	0.03	0.03*
1 Oversize				
2 Oversize				

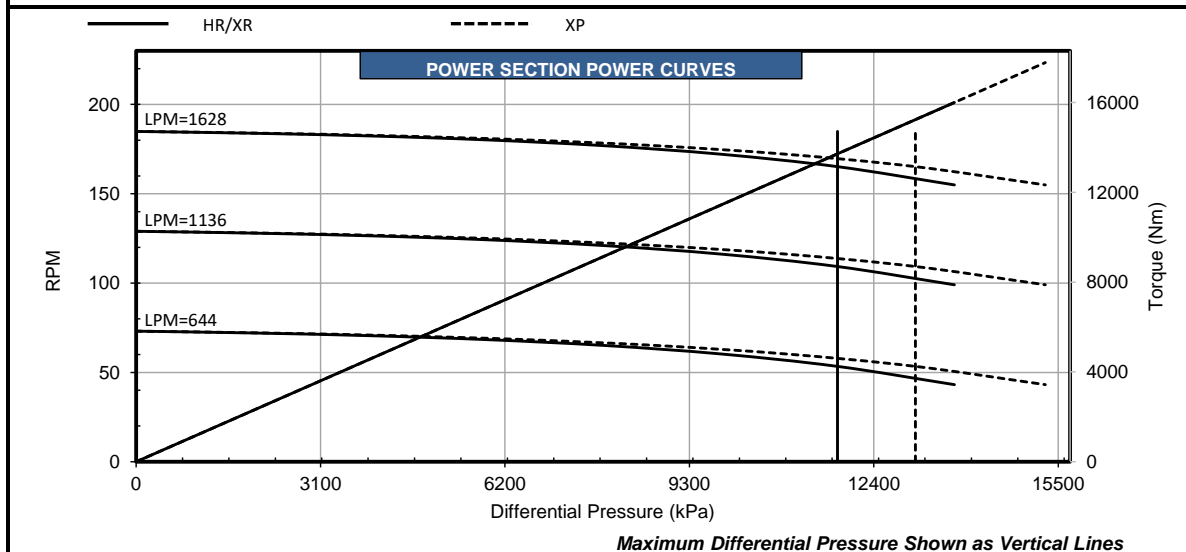
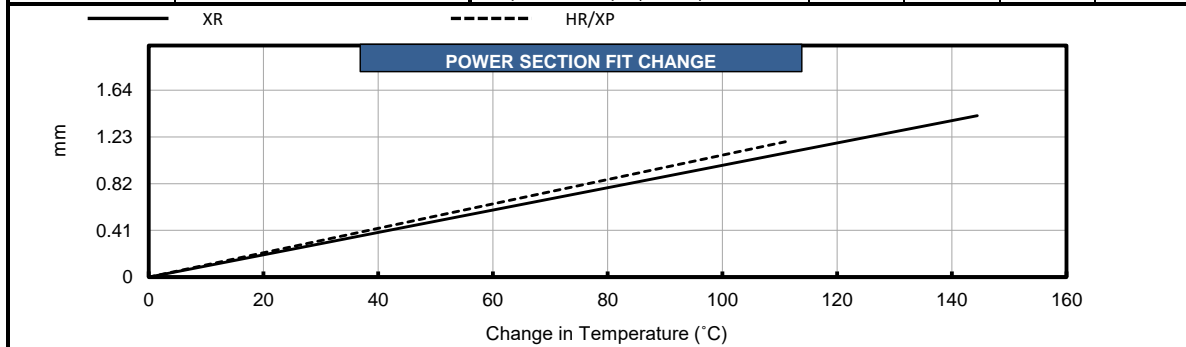
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	6934.2	Overall Length (mm)	7112.0
Contour Length** (mm)	6756.4	Cutback #1** (mm)	203.2
Eccentricity (mm)	5.20	Cutback #2** (mm)	203.2
Major Diameter (mm)	97.18	Tube O.D. (mm)	139.7
Weight (kg)	334	Tube I.D. (mm)	114.3
Head Diameter*** (mm)	107.95	Weight (kg)	265
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	1.163 Nm/kPa		11790	11790	13100	
Flow Range	644 to 1628 Litre/min		13707	13707	15239	
RPG	0.114 rev/litre		17720	17720	19650	
Speed Range	73 to 185 RPM		20568	20568	22859	
Off Bottom Press.	724 kPa		237	237	264	
			kPa Per Stage	1551	1551	1724
			kPa Per Cavity	221	221	241
			Temperature Slope (mm/°C)	0.0098	0.0107	0.0107



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