

POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard			3.826*	3.826*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.002*	0.002*
1 Oversize				
2 Oversize				

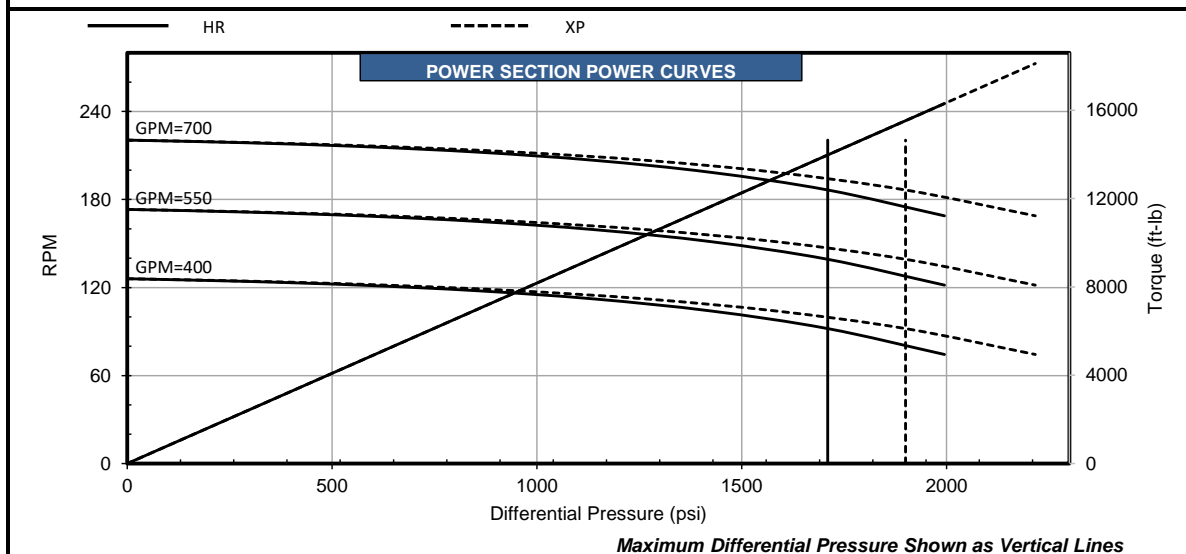
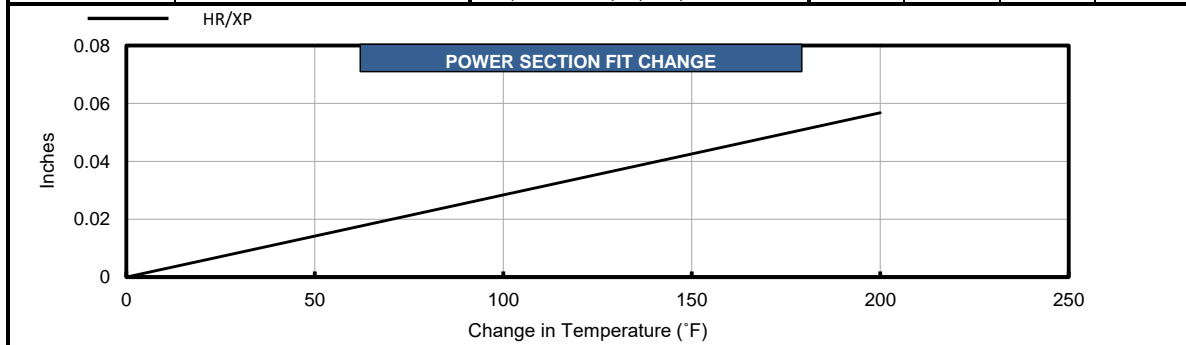
*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	269.1	Overall Length (in)	291.0
Contour Length** (in)	263.1	Cutback #1** (in)	8.0
Eccentricity (in)	0.275	Cutback #2** (in)	18.0
Major Diameter (in)	4.378	Tube O.D. (in)	6.63
Weight (lb)	856	Tube I.D. (in)	5.50
Head Diameter*** (in)	4.65	Weight (lb)	982
Material**	145 KSI 17-4SS		
Thread Form***	BLNK		

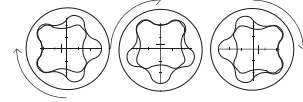
**Representative options given. Verify specific requirements before placing order.

***Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	8.172 ft-lb/psi	Max. Diff. Press. (psi)			1710	1900
Flow Range	400 to 700 GPM	Max. Torque (ft-lb)			13970	15530
RPG	0.315 rev/gal	Stall Diff. Press. (psi)			2570	2850
Speed Range	126 to 221 RPM	Stall Torque (ft-lb)			20960	23290
Off Bottom Press.	165 psi	Max. Recommended (HP)			496	551
		PSI Per Stage			225	250
		PSI Per Cavity			36	40
		Temperature Slope (in/°F)			0.000284	0.000284



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			97.18*	97.18*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard			0.05*	0.05*
1 Oversize				
2 Oversize				

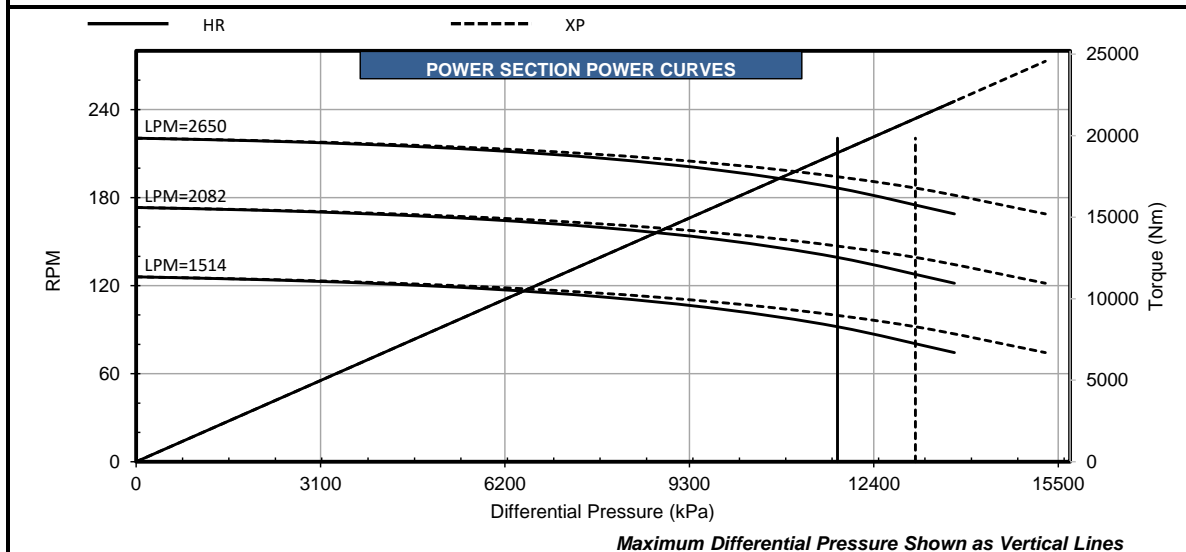
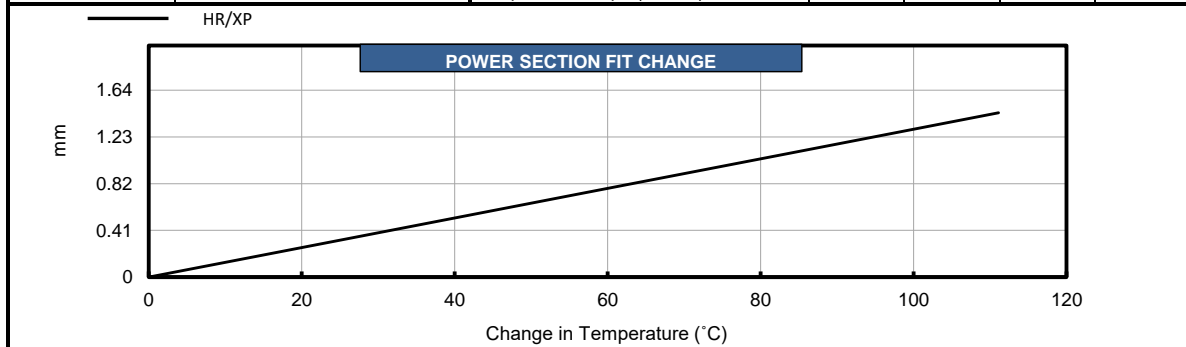
*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	6835.1	Overall Length (mm)	7391.4
Contour Length** (mm)	6682.7	Cutback #1** (mm)	203.2
Eccentricity (mm)	6.99	Cutback #2** (mm)	457.2
Major Diameter (mm)	111.20	Tube O.D. (mm)	168.4
Weight (kg)	388	Tube I.D. (mm)	139.7
Head Diameter*** (mm)	118.11	Weight (kg)	445
Material**	145 KSI 17-4SS		
Thread Form***	BLNK		

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***Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.607 Nm/kPa	Max. Diff. Press. (kPa)			11790	13100
Flow Range	1514 to 2650 Litre/min	Max. Torque (Nm)			18941	21056
RPG	0.083 rev/litre	Stall Diff. Press. (kPa)			17720	19650
Speed Range	126 to 221 RPM	Stall Torque (Nm)			28418	31577
Off Bottom Press.	1138 kPa	Max. Recommended (kW)			370	411
		kPa Per Stage			1551	1724
		kPa Per Cavity			248	276
		Temperature Slope (mm/°C)			0.0130	0.0130



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