

## POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			4.959	4.959*
Standard	4.980			
0.5 Oversize			4.981	4.980*
1 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.011	0.011*
Standard	-0.010			
0.5 Oversize			-0.011	-0.010*
1 Oversize				

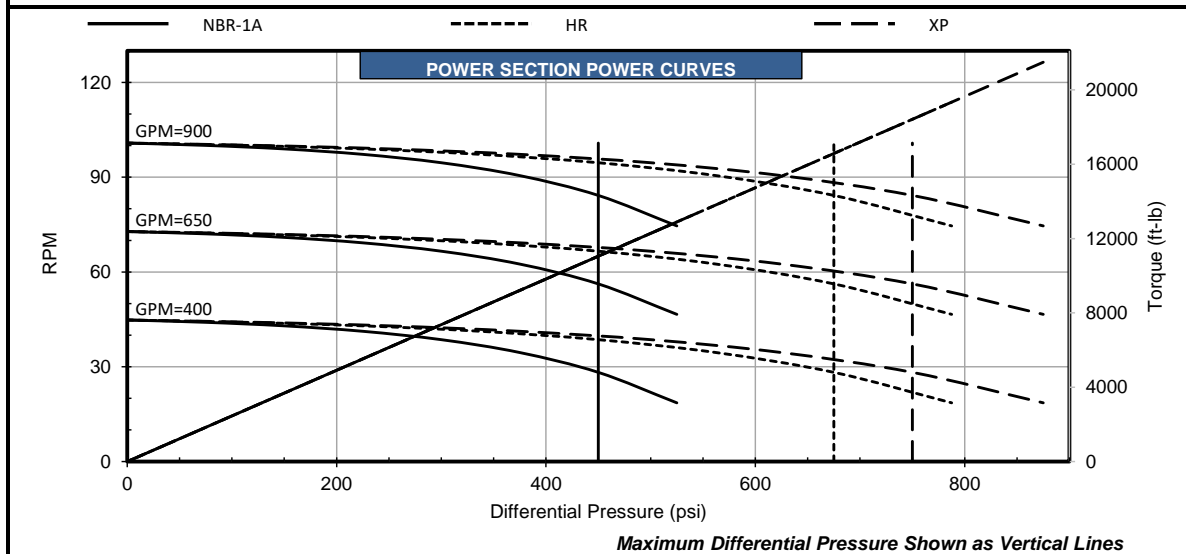
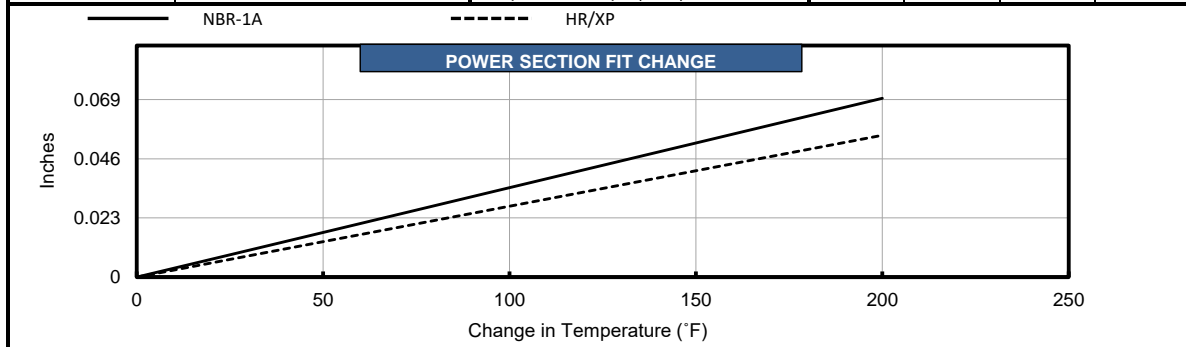
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	223.0	Overall Length (in)	234.0
Contour Length** (in)	214.0	Cutback #1** (in)	11.0
Eccentricity (in)	0.238	Cutback #2** (in)	11.0
Major Diameter (in)	5.446	Tube O.D. (in)	7.75
Weight (lb)	1133	Tube I.D. (in)	6.50
Head Diameter*** (in)	4.500	Weight (lb)	1013
Material**	17-4SS		
Thread Form***	3 1/2 API REG		

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

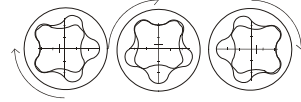
\*\*\*Customer specified

\*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	24.556 ft-lb/psi	Max. Diff. Press. (psi)	450		680	750
Flow Range	400 to 900 GPM	Max. Torque (ft-lb)	11050		16580	18420
RPG	0.112 rev/gal	Stall Diff. Press. (psi)	680		1010	1130
Speed Range	45 to 101 RPM	Stall Torque (ft-lb)	16580		24860	27630
Off Bottom Press.	90 psi	Max. Recommended (HP)	177		266	295
		PSI Per Stage	150		225	250
		PSI Per Cavity	21		32	36
		Temperature Slope (in/°F)	0.000348		0.000276	0.000276



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			125.96	125.96*
Standard	126.49			
0.5 Oversize			126.52	126.49*
1 Oversize				
Nominal Fit at 75°F				
1 Undersize			0.28	0.28*
Standard	-0.25			
0.5 Oversize			-0.28	-0.25*
1 Oversize				

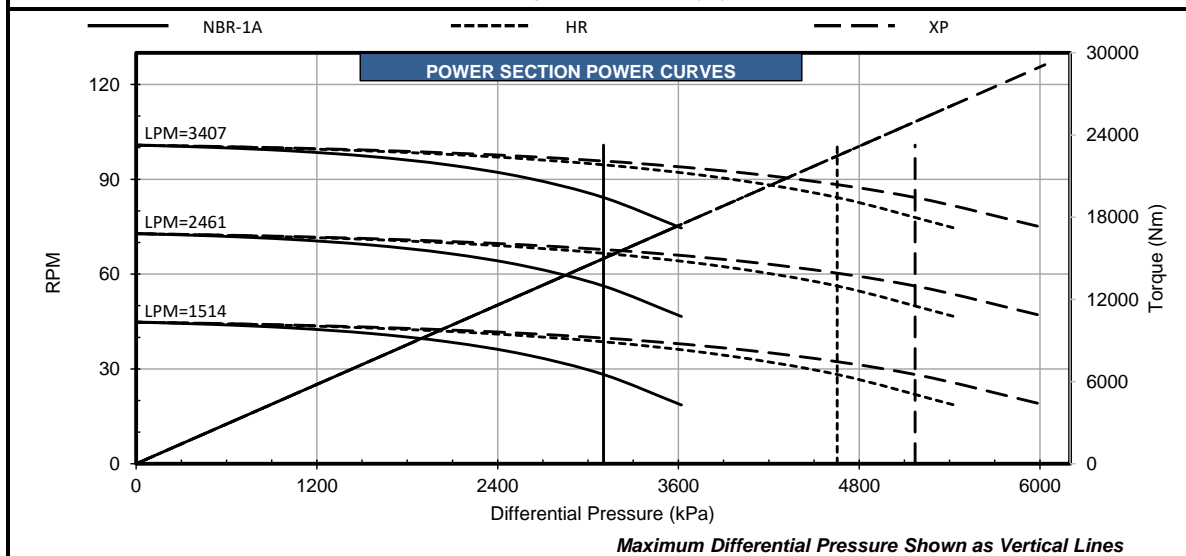
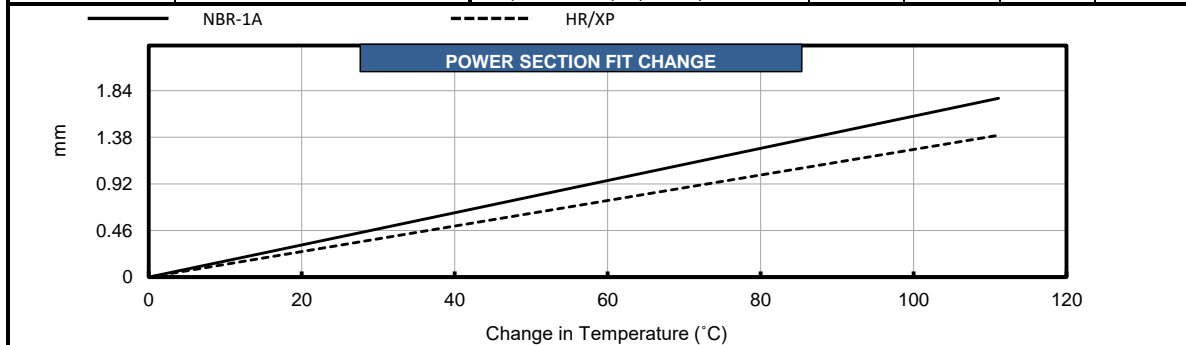
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	5664.2	Overall Length (mm)	5943.6
Contour Length** (mm)	5435.6	Cutback #1** (mm)	279.4
Eccentricity (mm)	6.04	Cutback #2** (mm)	279.4
Major Diameter (mm)	138.33	Tube O.D. (mm)	196.9
Weight (kg)	514	Tube I.D. (mm)	165.1
Head Diameter*** (mm)	114.30	Weight (kg)	459
Material**	17-4SS		
Thread Form***	3 1/2 API REG		

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\*\*\*Customer specified

\*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	4.829 Nm/kPa	Max. Diff. Press. (kPa)	3103		4688	5171
Flow Range	1514 to 3407 Litre/min	Max. Torque (Nm)	14982		22479	24974
RPG	0.030 rev/litre	Stall Diff. Press. (kPa)	4688		6964	7791
Speed Range	45 to 101 RPM	Stall Torque (Nm)	22479		33706	37461
Off Bottom Press.	621 kPa	Max. Recommended (kW)	132		198	220
		kPa Per Stage	1034		1551	1724
		kPa Per Cavity	145		221	248
		Temperature Slope (mm/°C)	0.0159		0.0126	0.0126



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