

POWER SECTION

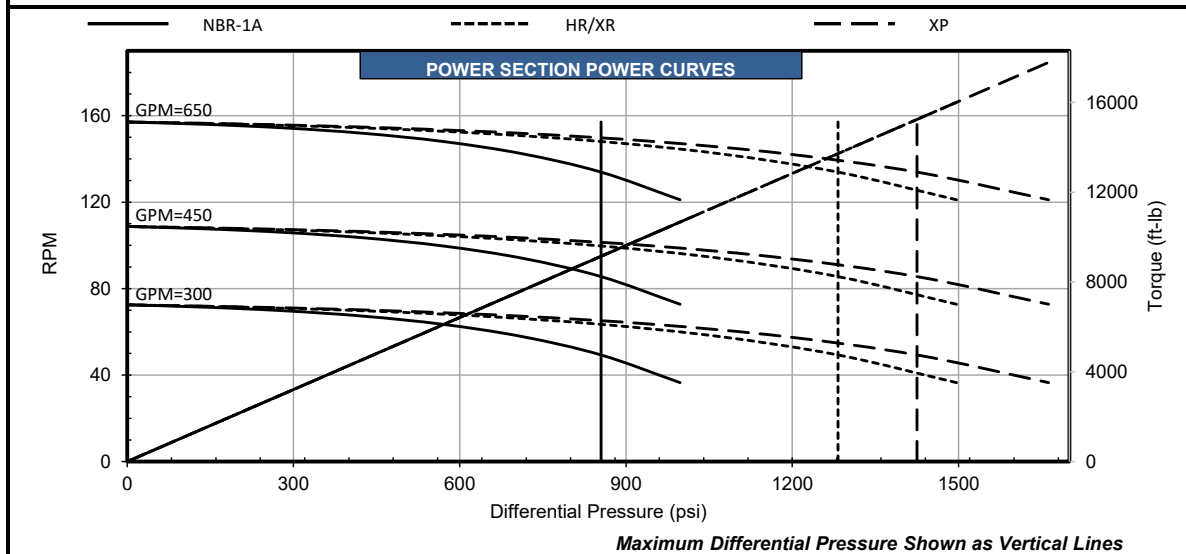
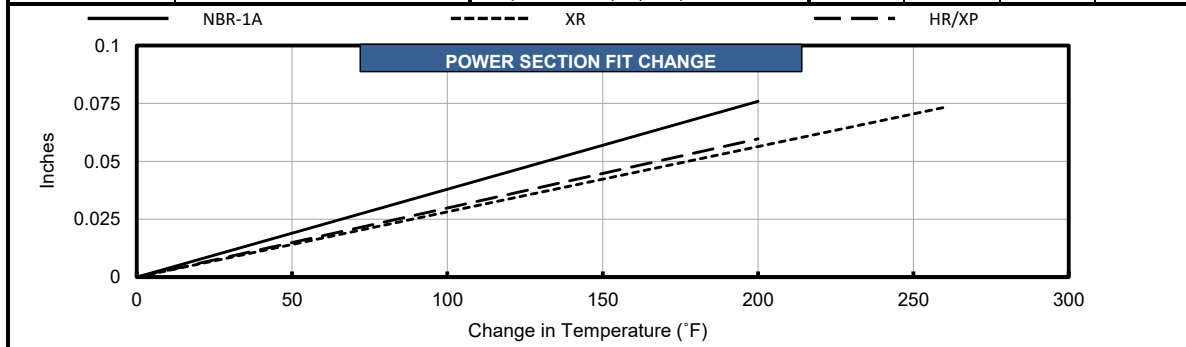
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize			4.138	4.138
0.5 Undersize			4.154	4.154
Standard	4.147	4.169	4.158	4.164
1 Oversize	4.180	4.166*	4.166	4.171
Nominal Fit at 75°F				
1 Undersize			0.013	0.013
0.5 Undersize			-0.003	-0.003
Standard	0.004	-0.018	-0.007	-0.013
1 Oversize	-0.029	-0.015*	-0.015	-0.020

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	252.0	Overall Length (in)	260.0
Contour Length** (in)	245.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.247	Cutback #2** (in)	8.0
Major Diameter (in)	4.644	Tube O.D. (in)	6.75
Weight (lb)	883	Tube I.D. (in)	5.50
Head Diameter*** (in)	4.50	Weight (lb)	827
Material**	17-4SS		
Thread	2 7/8 API REG OR 2		
Form***	7/8 API IF		

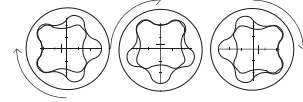
**Representative options given. Verify specific requirements before placing order.

***Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	10.698 ft-lb/psi	Max. Diff. Press. (psi)	860	1280	1280	1430
Flow Range	300 to 650 GPM	Max. Torque (ft-lb)	9150	13720	13720	15240
RPG	0.242 rev/gal	Stall Diff. Press. (psi)	1280	1920	1920	2140
Speed Range	73 to 157 RPM	Stall Torque (ft-lb)	13720	20580	20580	22870
Off Bottom Press.	111 psi	Max. Recommended (HP)	233	350	350	389
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	22	33	33	37
		Temperature Slope (in/°F)	0.000380	0.000282	0.000298	0.000298



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			105.11	105.11
0.5 Undersize			105.51	105.51
Standard	105.33	105.89	105.61	105.77
1 Oversize	106.17	105.82*	105.82	105.94
Nominal Fit at 75°F				
1 Undersize			0.33	0.33
0.5 Undersize			-0.08	-0.08
Standard	0.10	-0.46	-0.18	-0.33
1 Oversize	-0.74	-0.38*	-0.38	-0.51

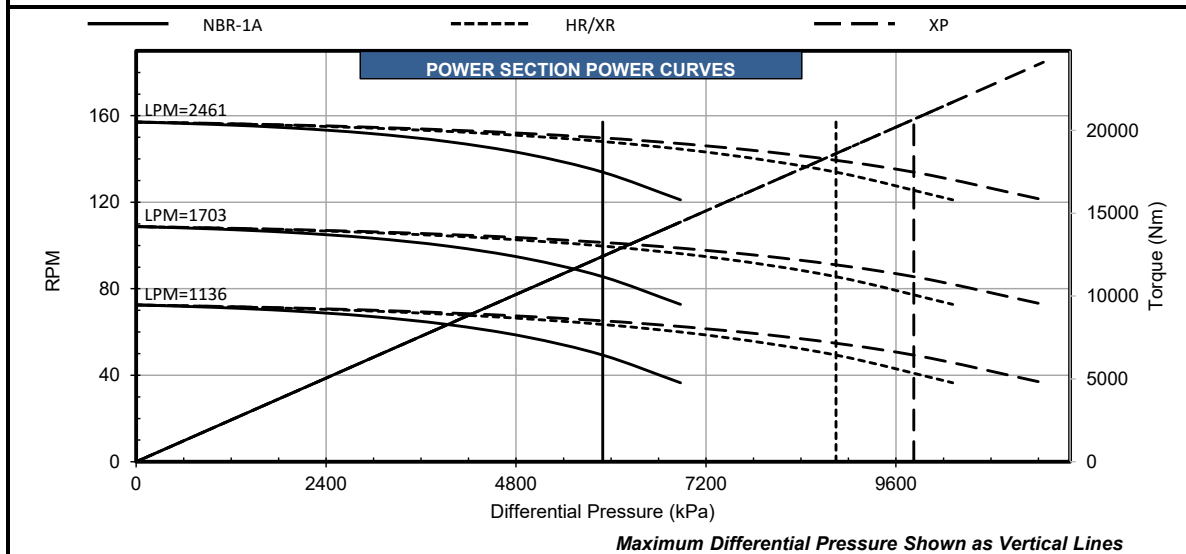
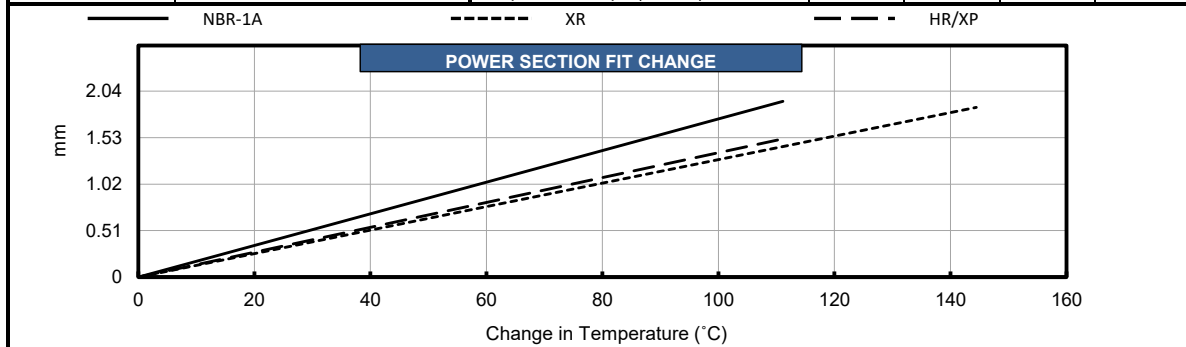
*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	6400.8	Overall Length (mm)	6604.0
Contour Length** (mm)	6223.0	Cutback #1** (mm)	203.2
Eccentricity (mm)	6.26	Cutback #2** (mm)	203.2
Major Diameter (mm)	117.96	Tube O.D. (mm)	171.5
Weight (kg)	401	Tube I.D. (mm)	139.7
Head Diameter*** (mm)	114.30	Weight (kg)	375
Material**	17-4SS		
Thread	2 7/8 API REG OR 2		
Form***	7/8 API IF		

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

***Customer specified

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	2.104 Nm/kPa	Max. Diff. Press. (kPa)	5929	8825	8825	9860
Flow Range	1136 to 2461 Litre/min	Max. Torque (Nm)	12406	18602	18602	20663
RPG	0.064 rev/litre	Stall Diff. Press. (kPa)	8825	13238	13238	14755
Speed Range	73 to 157 RPM	Stall Torque (Nm)	18602	27903	27903	31008
Off Bottom Press.	765 kPa	Max. Recommended (kW)	174	261	261	290
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	152	228	228	255
		Temperature Slope (mm/°C)	0.0174	0.0129	0.0136	0.0136



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