

POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
Standard		2.626	2.619	2.620
1 Oversize	2.640	2.641	2.635	2.635*
2 Oversize		2.657	2.651	2.651*
3 Oversize			2.655	2.655*
Nominal Fit at 75°F				
Standard		0.009	0.016	0.015
1 Oversize	-0.005	-0.006	0.000	0.000*
2 Oversize		-0.022	-0.016	-0.016*
3 Oversize			-0.020	-0.020*

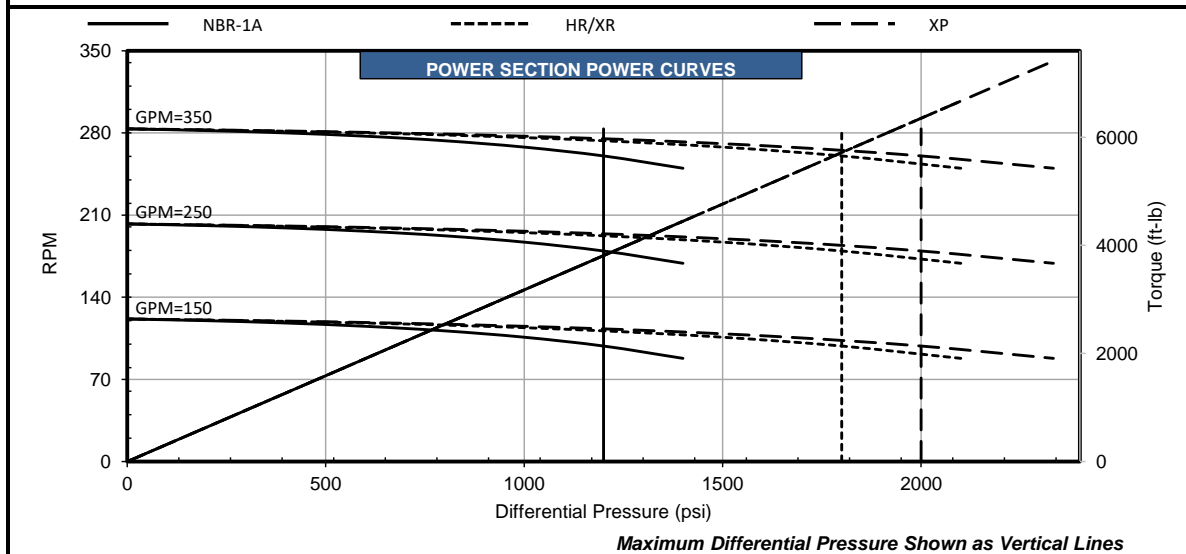
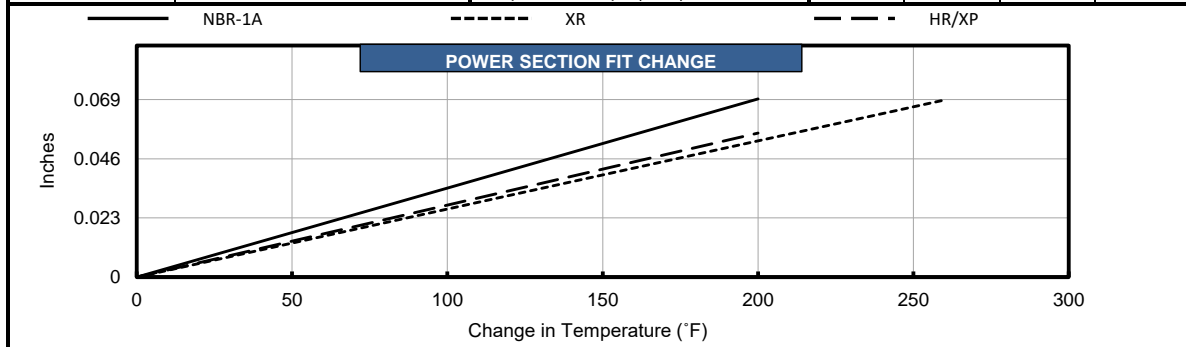
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	233.5	Overall Length (in)	246.0
Contour Length** (in)	226.8	Cutback #1** (in)	7.5
Eccentricity (in)	0.192	Cutback #2** (in)	7.5
Major Diameter (in)	3.018	Tube O.D. (in)	5.00
Weight (lb)	357	Tube I.D. (in)	4.00
Head Diameter*** (in)	2.750	Weight (lb)	542
Material**	17-4SS		
Thread	2 3/8 Hughes External		
Form***	Flush Mod Flat		

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

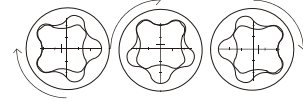
***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.176 ft-lb/psi	Max. Diff. Press. (psi)	1200	1800	1800	2000
Flow Range	150 to 350 GPM	Max. Torque (ft-lb)	3810	5720	5720	6350
RPG	0.810 rev/gal	Stall Diff. Press. (psi)	1800	2700	2700	3000
Speed Range	122 to 284 RPM	Stall Torque (ft-lb)	5720	8580	8580	9530
Off Bottom Press.	133 psi	Max. Recommended (HP)	189	284	284	315
		PSI Per Stage	150	225	225	250
		PSI Per Cavity	24	36	36	40
		Temperature Slope (in/°F)	0.000346	0.000265	0.000280	0.000280



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
Standard		66.70	66.52	66.55
1 Oversize	67.06	67.08	66.93	66.93*
2 Oversize		67.49	67.34	67.34*
3 Oversize			67.44	67.44*
Nominal Fit at 75°F				
Standard		0.23	0.41	0.38
1 Oversize	-0.13	-0.15	0.00	0.00*
2 Oversize		-0.56	-0.41	-0.41*
3 Oversize			-0.51	-0.51*

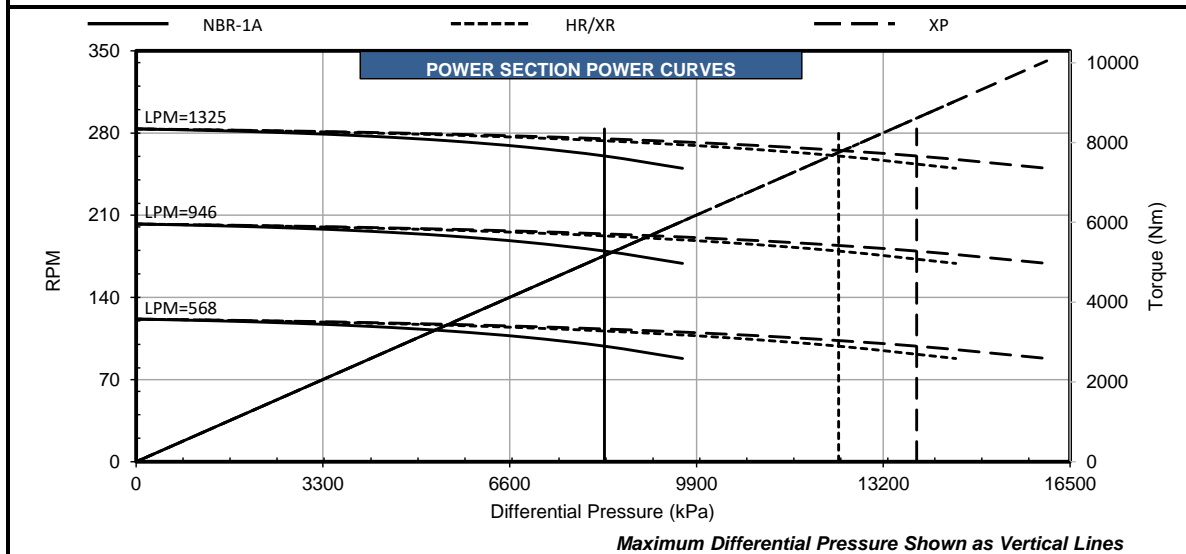
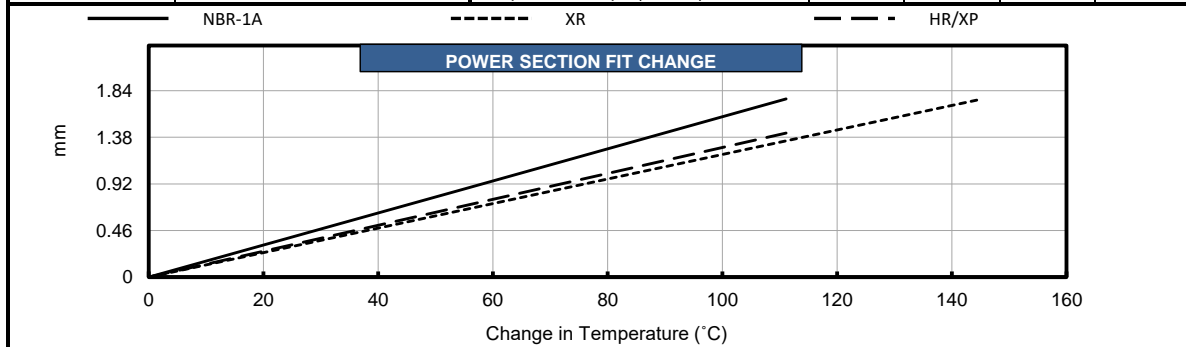
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	5930.9	Overall Length (mm)	6248.4
Contour Length** (mm)	5760.7	Cutback #1** (mm)	190.5
Eccentricity (mm)	4.86	Cutback #2** (mm)	190.5
Major Diameter (mm)	76.66	Tube O.D. (mm)	127.0
Weight (kg)	162	Tube I.D. (mm)	101.6
Head Diameter*** (mm)	69.85	Weight (kg)	246
Material**	17-4SS		
Thread	2 3/8 Hughes External		
Form***	Flush Mod Flat		

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

***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
		NBR-1A	XR	HR	XP	
Torque Slope	0.625 Nm/kPa	8274	12411	12411	13790	
Flow Range	568 to 1325 Litre/min	5166	7755	7755	8609	
RPG	0.214 rev/litre	12411	18616	18616	20684	
Speed Range	122 to 284 RPM	7755	11633	11633	12921	
Off Bottom Press.	917 kPa	141	212	212	235	
		kPa Per Stage	1034	1551	1551	1724
		kPa Per Cavity	165	248	248	276
		Temperature Slope (mm/°C)	0.0158	0.0121	0.0128	0.0128



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