

POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize		2.764*	2.757	2.757*
0.5 Oversize		2.783*	2.777	2.777*
1 Oversize				2.789
2 Oversize		2.797*	2.794	2.794*
Nominal Fit at 75°F				
1 Undersize		0.005*	0.012	0.012*
0.5 Oversize		-0.014*	-0.008	-0.008*
1 Oversize				-0.020
2 Oversize		-0.028*	-0.025	-0.025*

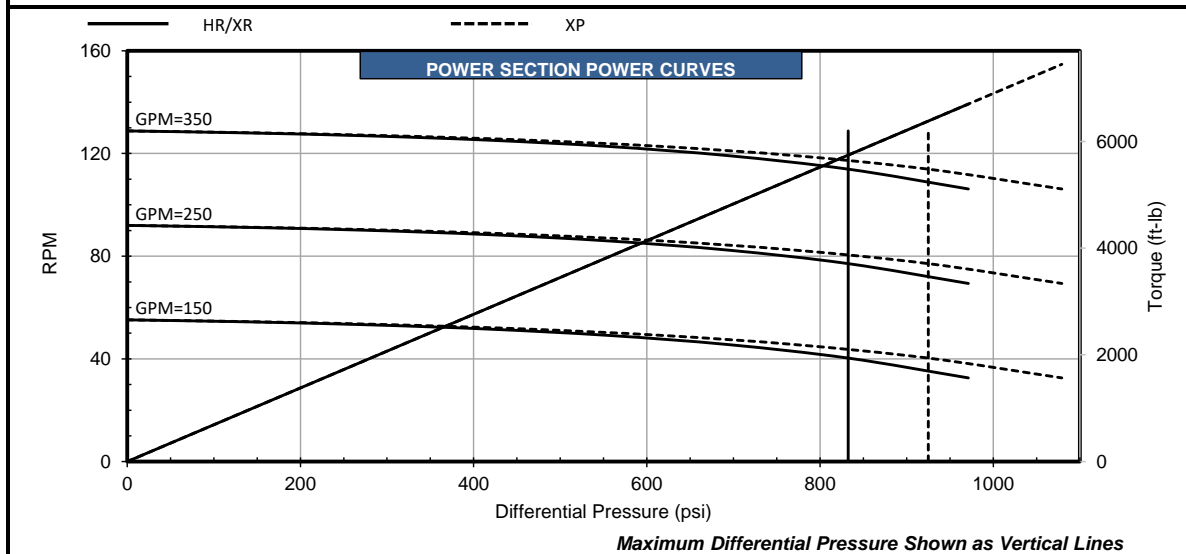
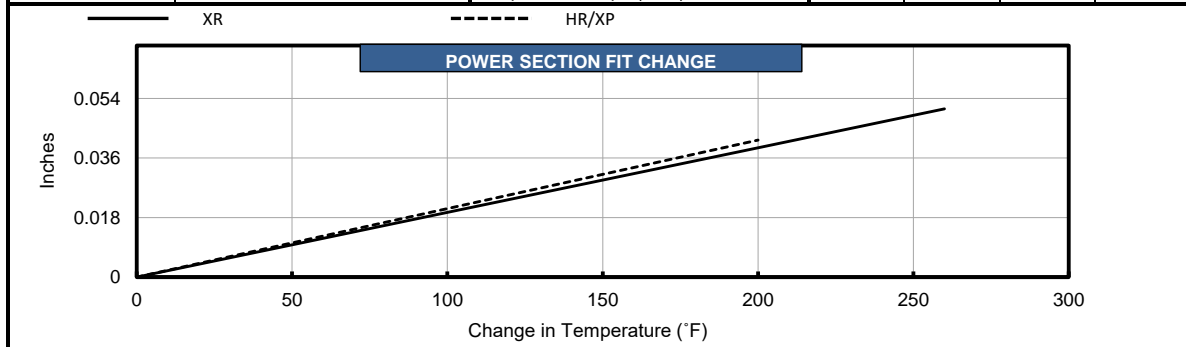
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	214.8	Overall Length (in)	235.0
Contour Length** (in)	208.8	Cutback #1** (in)	8.0
Eccentricity (in)	0.177	Cutback #2** (in)	15.5
Major Diameter (in)	3.122	Tube O.D. (in)	5.00
Weight (lb)	356	Tube I.D. (in)	3.88
Head Diameter*** (in)	3.25	Weight (lb)	558
Material**	17-4SS		
Thread	2 3/8 Hughes External		
Form***	Flush		

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

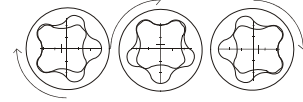
***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	6.901 ft-lb/psi	Max. Diff. Press. (psi)		830	830	930
Flow Range	150 to 350 GPM	Max. Torque (ft-lb)		5750	5750	6380
RPG	0.368 rev/gal	Stall Diff. Press. (psi)		1250	1250	1390
Speed Range	55 to 129 RPM	Stall Torque (ft-lb)		8620	8620	9580
Off Bottom Press.	66 psi	Max. Recommended (HP)		125	125	138
		PSI Per Stage		225	225	250
		PSI Per Cavity		37	37	41
		Temperature Slope (in/F)		0.000196	0.000207	0.000207



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		70.21*	70.03	70.03*
0.5 Oversize		70.69*	70.54	70.54*
1 Oversize				70.84
2 Oversize		71.04*	70.97	70.97*
Nominal Fit at 75°F				
1 Undersize		0.13*	0.30	0.30*
0.5 Oversize		-0.36*	-0.20	-0.20*
1 Oversize				-0.51
2 Oversize		-0.71*	-0.64	-0.64*

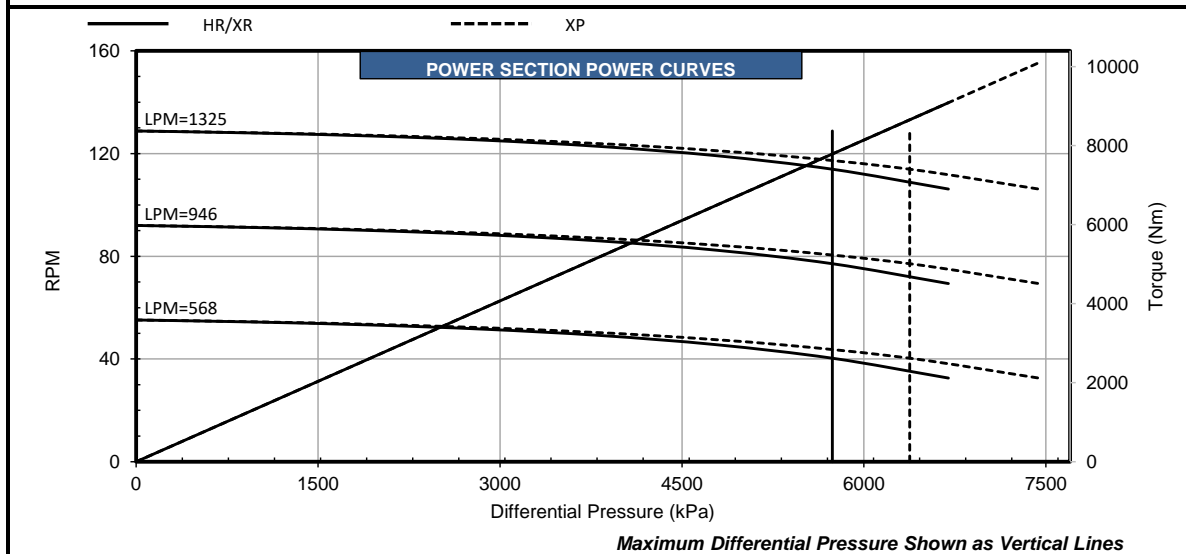
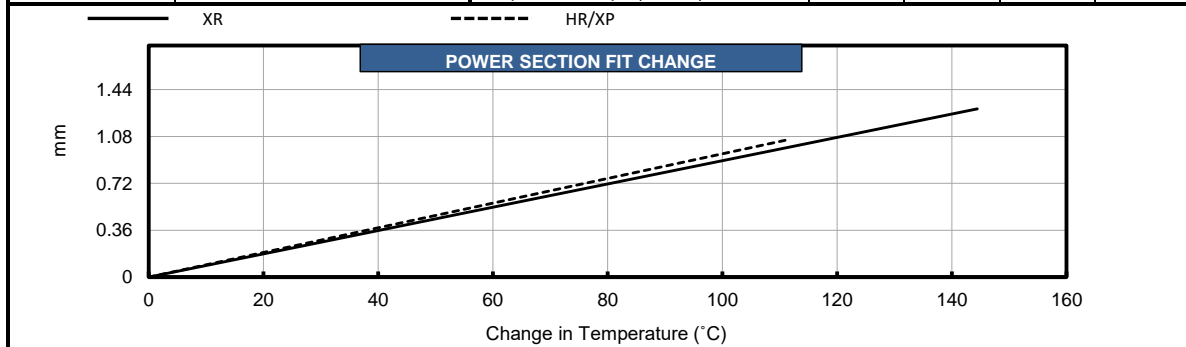
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (mm)	5455.9	Overall Length (mm)	5969.0
Contour Length** (mm)	5303.5	Cutback #1** (mm)	203.2
Eccentricity (mm)	4.48	Cutback #2** (mm)	393.7
Major Diameter (mm)	79.30	Tube O.D. (mm)	127.0
Weight (kg)	161	Tube I.D. (mm)	98.6
Head Diameter*** (mm)	82.55	Weight (kg)	253
Material**	17-4SS		
Thread	2 3/8 Hughes External		
Form***	Flush		

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

***Customer specified

*Pending production measurements

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	1.357 Nm/kPa	Max. Diff. Press. (kPa)		5723	5723	6412
Flow Range	568 to 1325 Litre/min	Max. Torque (Nm)		7796	7796	8650
RPG	0.097 rev/litre	Stall Diff. Press. (kPa)		8618	8618	9584
Speed Range	55 to 129 RPM	Stall Torque (Nm)		11687	11687	12989
Off Bottom Press.	455 kPa	Max. Recommended (kW)		93	93	103
		kPa Per Stage		1551	1551	1724
		kPa Per Cavity		255	255	283
		Temperature Slope (mm/°C)		0.0089	0.0095	0.0095



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