

POWER SECTION

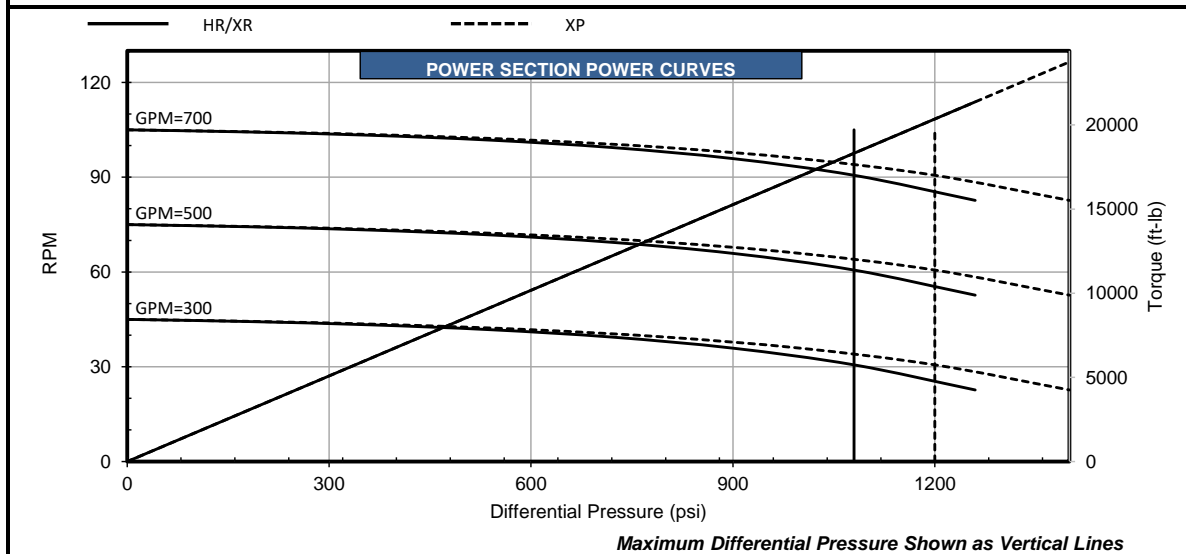
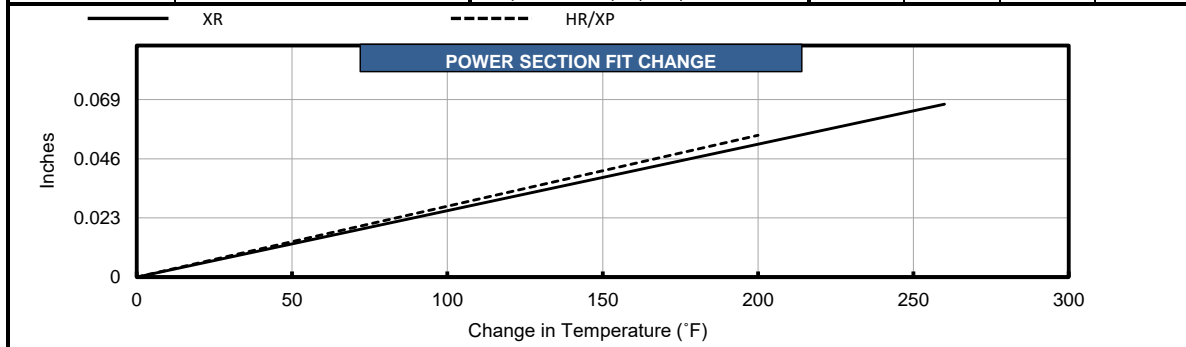
FIT INFORMATION - MINOR DIAMETER (in)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard		4.449	4.442	4.442*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.001	0.008	0.008*
1 Oversize				
2 Oversize				

*Pending production measurements

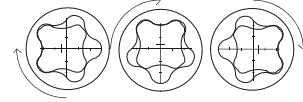
ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(in)		(in)
Overall Length	TBD	Overall Length	300.0
Contour Length	TBD	Rubber Cutback #1**	8.0
Eccentricity	0.264	Rubber Cutback #2**	8.0
Major Diameter	4.977	Tube O.D.	7.00
Head Diameter	TBD	Tube I.D.	5.75
Weight (lb)	TBD	Weight (lb)	979
Material	145 KSI 17-4SS	Number of Stages	4.8
Thread Form**	TBD		

** Alternate or custom thread forms and cutbacks are available upon request

PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	16.958 ft-lb/psi	Max. Diff. Press. (psi)		1080	1080	1200
Flow Range	300 to 700 GPM	Max. Torque (ft-lb)		18310	18310	20350
RPG	0.150 rev/gal	Stall Diff. Press. (psi)		1620	1620	1800
Speed Range	45 to 105 RPM	Stall Torque (ft-lb)		27470	27470	30520
Off Bottom Press.	89 psi	Max. Recommended (HP)		316	316	351
		PSI Per Stage		225	225	250
		PSI Per Cavity		34	34	38
		Temperature Slope (in/°F)		0.000258	0.000276	0.000276



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance curves are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice. Power calculation is based on maximum RPM and full torque. Stator sizes subject to change without notice.



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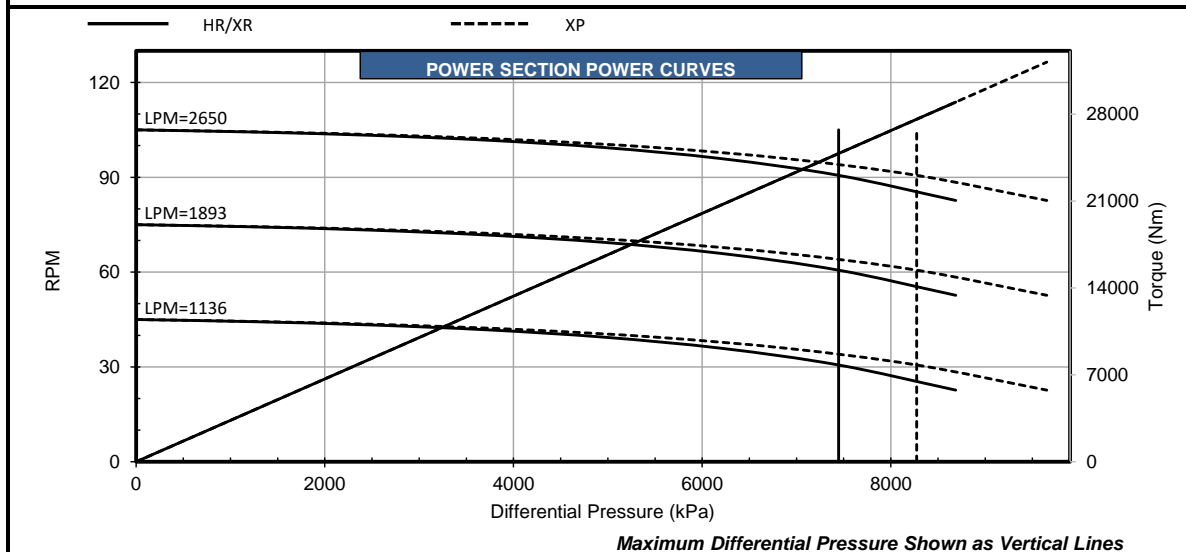
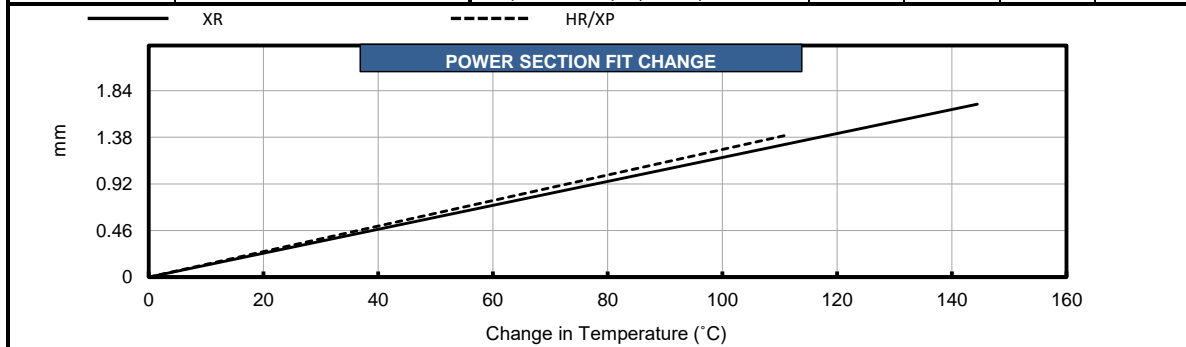
FIT INFORMATION - MINOR DIAMETER (mm)				
Stator Size	NBR-1A	DynaPower		
		XR	HR	XP
1 Undersize				
Standard		113.00	112.83	112.83*
1 Oversize				
2 Oversize				
Nominal Fit at 75°F				
1 Undersize				
Standard		0.03	0.20	0.20*
1 Oversize				
2 Oversize				

*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
	(mm)		(mm)
Overall Length	TBD	Overall Length	7620.0
Contour Length	TBD	Rubber Cutback #1**	203.2
Eccentricity	6.70	Rubber Cutback #2**	203.2
Major Diameter	126.42	Tube O.D.	177.8
Head Diameter	TBD	Tube I.D.	146.1
Weight (kg)	TBD	Weight (kg)	444
Material	145 KSI 17-4SS	Number of Stages	4.8
Thread Form**	TBD		

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PERFORMANCE SPECIFICATIONS						
			NBR-1A	XR	HR	XP
Torque Slope	3.335 Nm/kPa	Max. Diff. Press. (kPa)		7446	7446	8274
Flow Range	1136 to 2650 Litre/min	Max. Torque (Nm)		24825	24825	27591
RPG	0.040 rev/litre	Stall Diff. Press. (kPa)		11170	11170	12411
Speed Range	45 to 105 RPM	Stall Torque (Nm)		37244	37244	41380
Off Bottom Press.	614 kPa	Max. Recommended (kW)		236	236	262
		kPa Per Stage		1551	1551	1724
		kPa Per Cavity		234	234	262
		Temperature Slope (mm/°C)		0.0118	0.0126	0.0126



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