

Childress *Blitz* Motor

675-78-50

6.3/4" 7:8 Lobe 5.0 Stage

Power Section Specification

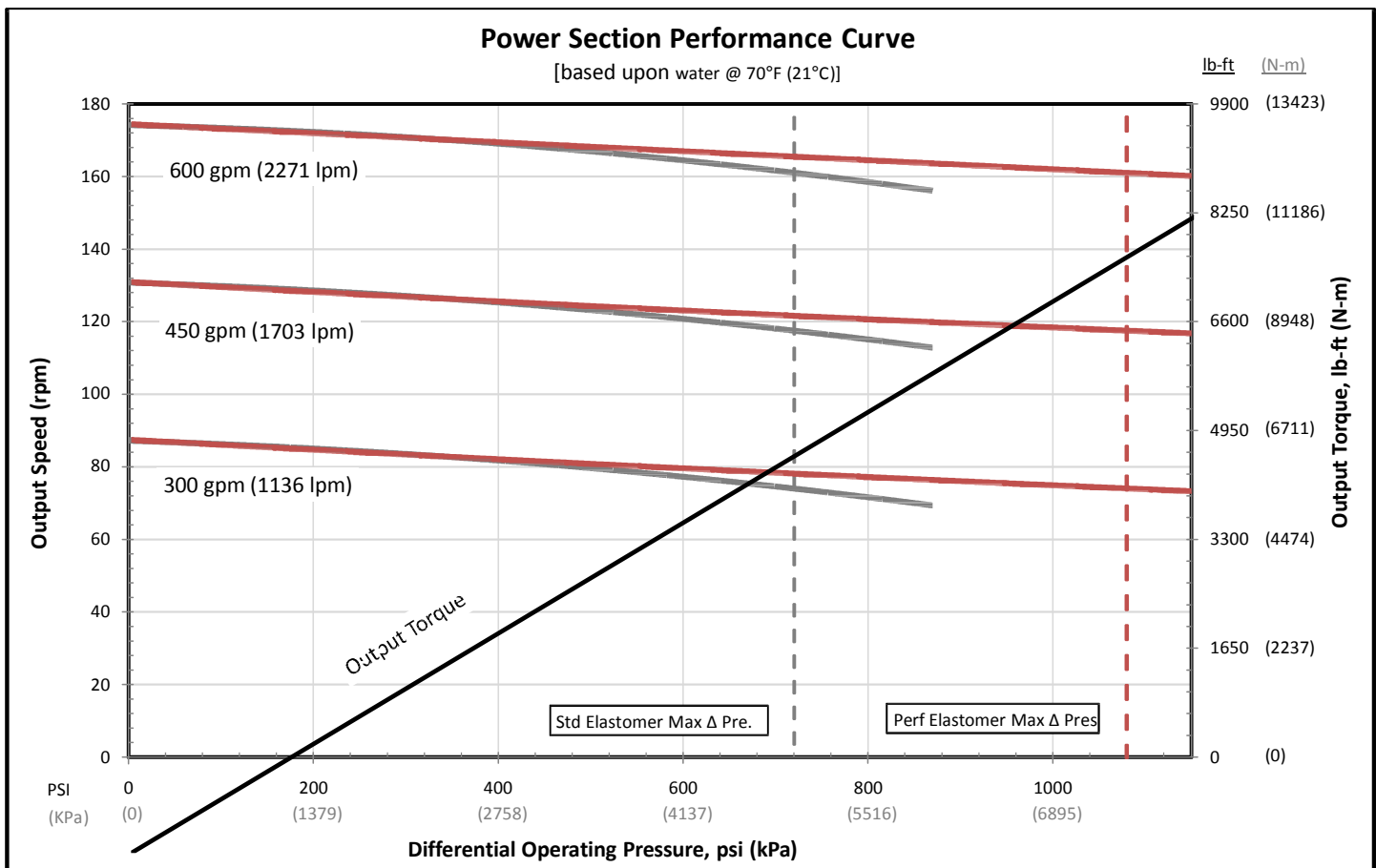
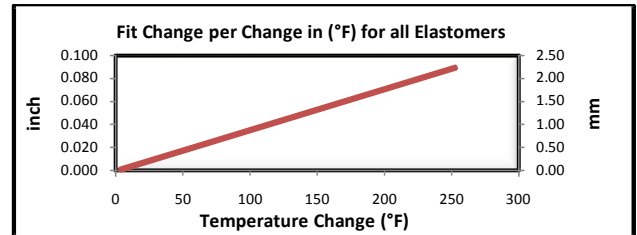
RECOMMENDED OPERATING LIMITS		
Flow Range	300-600 gpm	1136-2271 lpm
Revs per Unit Volume	0.29 rev/gal	0.08 rev/l
Speed (No Load)	87 - 174 rpm	
Zero Load Pressure	122 psi	838 kpa

PERFORMANCE OUTPUT		
Std Elastomer Max Δ Pressure	720 psi	4965 kpa
Std Elastomer Torque @ Max Pressure	5973 ft-lbs	8098 nm
Perf Elastomer Max Δ Pressure	1080 psi	7447.5 kpa
Perf Elastomer Torque @ Max Pressure	8959 ft-lbs	12147 nm

	DIAMETERS			LENGTHS			GENERAL	
	Contour OD	Eccentricity	Head OD	Overall	Contour	Head Length	Mass	Std Thrd Form
Rotor	4.517 in 114.74 mm	0.252 in 6.40 mm	4.00 in 101.60 mm	188.00 in 4775 mm	182.00 in 4623 mm	6.00 in 152 mm	684 lbs 310 kg	2 7/8" API Reg Box *

	Tube OD	Tube ID	Alternative Tube OD	Overall	Contour	Std Rubber Cutback	Mass	* Alternate thread forms available Customer Specified
	Stator	6.750 in 171.45 mm	5.500 in 139.70 mm	6.500 in 165.10 mm	194.00 in 4928 mm	178.00 in 4522 mm	8.00 in 203 mm	

FIT INFORMATION for all ELASTOMERS				
	Stator Minor ϕ		Nominal Fit at 70°F (21°C)	
US	n/a	n/a	n/a	n/a
STD	4.005 in	101.73 mm	0.008 in	0.21 mm
OS	4.037 in	102.54 mm	-0.024 in	-0.60 mm
2OS	4.058 in	103.07 mm	-0.044 in	-1.13 mm



Performance curves are for reference only. Performance data and dimensions subject to change without notice. Performance curves based upon Dyno testing at 70°F (21°C). Actual field performance may vary with field operational conditions. Operating a Power Section above maximum recommended performance will reduce life.