



ERT™ Power Section Specification

[Group 2 at 70°F [PRELIMINARY]]



550ERT6771

5.5" 6:7 Lobes 7.1 Stages

Specification 70°F			
Rotor		Stator	
Overall Length	252.00 in.	Overall Length	260.00 in.
Avg. Diameter	3.123 in.	Tube OD	5.500 in.
Contour Length	244.00 in.	Contour Length	242.00 in.
Eccentricity	0.222 in.	Tube ID	4.625 in.
Major Diameter	3.568 in.	Rubber Cut-back	
Head Diameter	3.450 in.	Side 1:	9.00 in.
Head Length	8.00 in.	Side 2:	9.00 in.
Weight	544 lbs	Weight	741 lbs
Thread Form	2.625XDV	Material	Alloy Steel

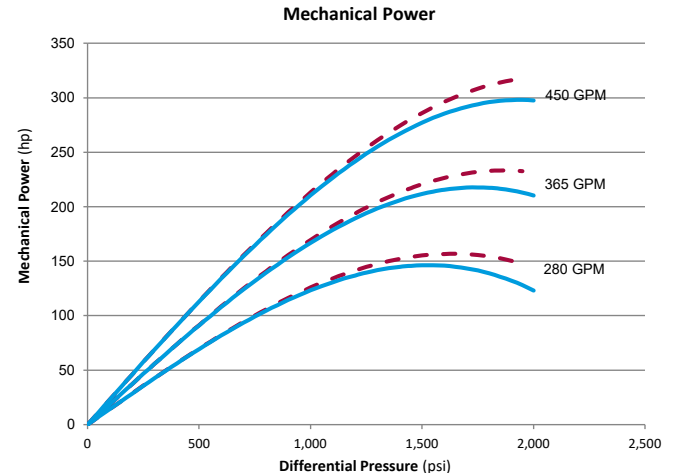
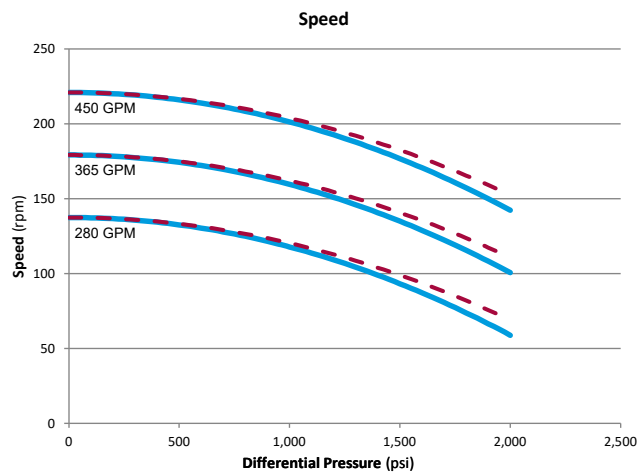
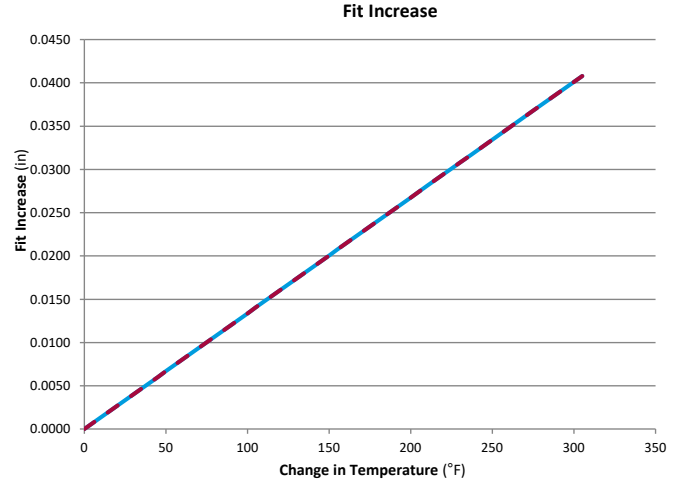
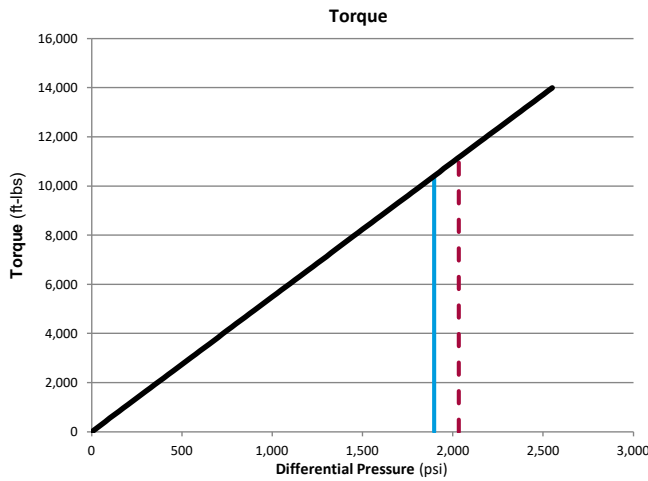
Specification 70°F			
Performance - Stator Group 2 Reference			
Flow Range	280-450	GPM	
Rev per Unit Volume	0.49	Rev/Gal	
Speed Range	137-221	RPM	
No Load Pressure Loss	191	psi	
		POB	XTH
Max Recommended Pressure	1,900 psi	2,030 psi	
Torque at Max Rec. Pressure	10,410 ft-lbs	11,160 ft-lbs	
Stall Pressure	3,470 psi	3,720 psi	
Stall Torque	19,060 ft-lbs	20,420 ft-lbs	

Stator Minors and Fit (in.) 70°F				
Size	POB		XTH	
	Minor (in.)	Fit (in.)	Minor (in.)	Fit (in.)
2	3.125	-0.002	3.125	-0.002

Alternate Dimensions		
	Max (in.)	Min (in.)
Reline Lengths	260.00	254.00
Alt. Stator OD (in.)		
Alt. Rotor Avg. Diameter (in.)		

Max DP for reliable operation will vary based on operational conditions. Refer to ERT Operational Guidelines for guidance.

GRP 2 Performance Graphs at 70°F



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ERT™ Power Section Specification

[Group 2 at 175°F [PRELIMINARY]]



550ERT6771

5.5" 6:7 Lobes 7.1 Stages

Specification 70°F			
Rotor		Stator	
Overall Length	252.00 in.	Overall Length	260.00 in.
Avg. Diameter	3.123 in.	Tube OD	5.500 in.
Contour Length	244.00 in.	Contour Length	242.00 in.
Eccentricity	0.222 in.	Tube ID	4.625 in.
Major Diameter	3.568 in.	Rubber Cut-back	
Head Diameter	3.450 in.	Side 1:	9.00 in.
Head Length	8.00 in.	Side 2:	9.00 in.
Weight	544 lbs	Weight	741 lbs
Thread Form	2.625XDV	Material	Alloy Steel

Specification 175°F			
Performance - Stator Group 2 Reference			
Flow Range	280-450	GPM	
Rev per Unit Volume	0.51	Rev/Gal	
Speed Range	143-229	RPM	
No Load Pressure Loss	191	psi	
Max Recommended Pressure	1,900 psi	POB	XTH
Torque at Max Rec. Pressure	10,040 ft-lbs	2,030	2,030
Stall Pressure	3,470 psi	10,760	3,720
Stall Torque	18,380 ft-lbs	19,690	19,690

Stator Minors and Fit (in.) 70°F				
Size	POB		XTH	
	Minor (in.)	Fit (in.)	Minor (in.)	Fit (in.)
2	3.125	-0.002	3.125	-0.002

Alternate Dimensions		
	Max (in.)	Min (in.)
Reline Lengths	260.00	254.00
Alt. Stator OD (in.)		
Alt. Rotor Avg. Diameter (in.)		

Max DP for reliable operation will vary based on operational conditions. Refer to ERT Operational Guidelines for guidance.

GRP 2 Performance Graphs at 175°F

