



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	6400.80 mm	Overall Length	6604.0 mm
Avg. Diameter	79.33 mm	Tube OD	139.70 mm
Contour Length	6197.60 mm	Contour Length	6146.80 mm
Eccentricity	5.651 mm	Tube ID	117.48 mm
Major Diameter	90.63 mm	Rubber Cut-back	
Head Diameter	87.63 mm	Side 1:	228.60 mm
Head Length	203.20 mm	Side 2:	228.60 mm
Weight	247 kg	Weight	336.19 kg
Thread Form	2.625XDV	Material	Alloy Steel

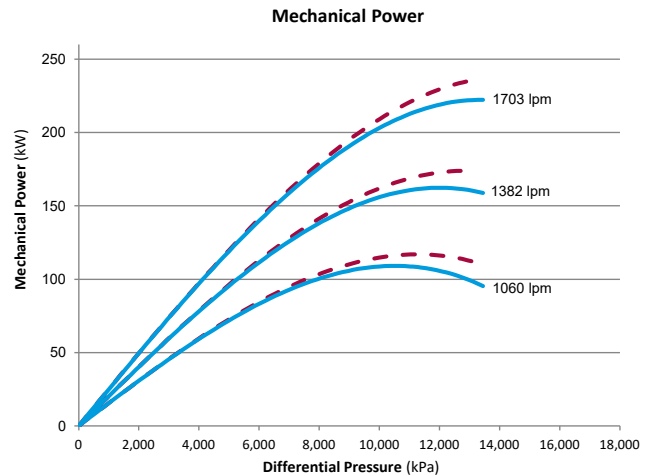
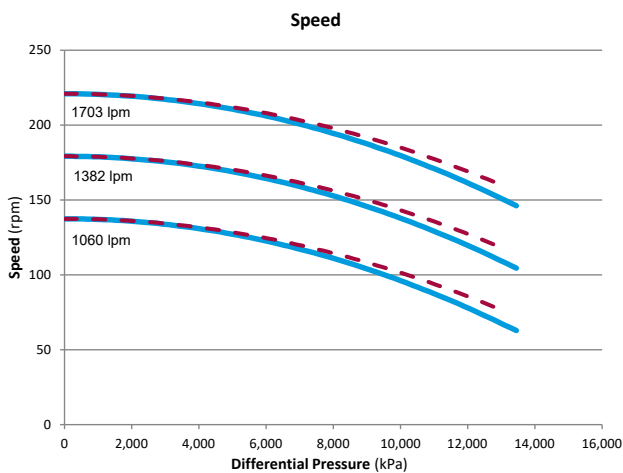
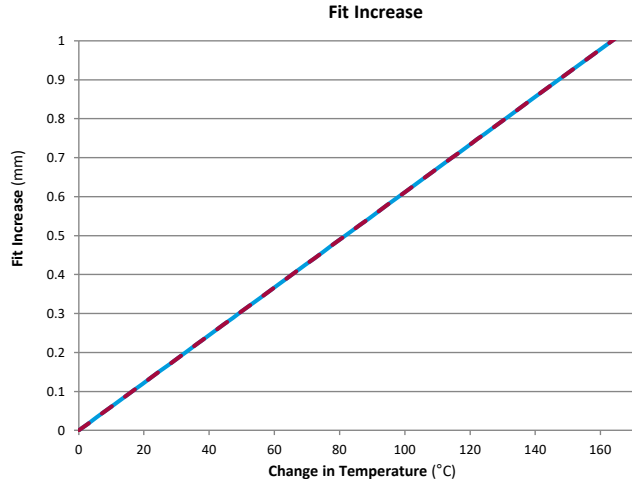
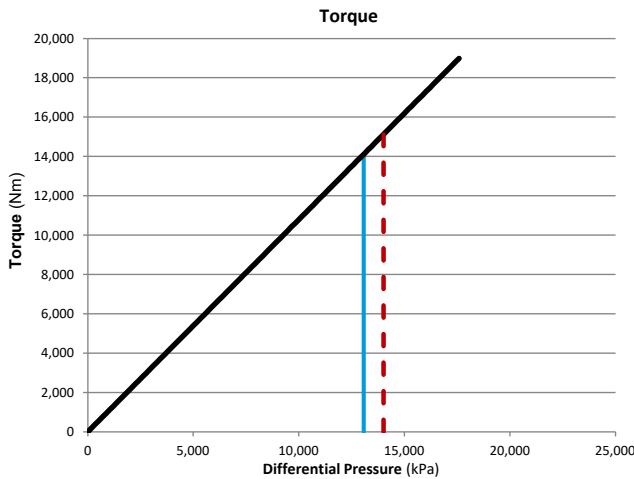
Specification 70°F		
Performance - Stator Group 2 Reference		
Flow Range	1060-1703	lpm
Rev per Unit Volume	0.13	Rev/liter
Speed Range	519-837	RPM
No Load Pressure Loss	1319	kPa
Max Recommended Pressure	POB	XTH
	13,100 kPa	14,000 kPa
Torque at Max Rec. Pressure	14,110 Nm	15,130 Nm
Stall Pressure	23,920 kPa	25,650 kPa
Stall Torque	25,840 Nm	27,690 Nm

Stator Minors and Fit (mm) 70°F				
Size	POB		XTH	
	Minor (mm)	Fit (mm)	Minor (mm)	Fit (mm)
2	79.38	-0.05	79.38	-0.05

Alternate Dimensions		
	Max (mm)	Min (mm)
Reline Lengths	6604	6452
Alt. Stator OD (mm)	-	-
Alt. Rotor Avg. Diameter (mm)	-	-

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





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	6400.80 mm	Overall Length	6604.0 mm
Avg. Diameter	79.33 mm	Tube OD	139.70 mm
Contour Length	6197.60 mm	Contour Length	6146.80 mm
Eccentricity	5.651 mm	Tube ID	117.48 mm
Major Diameter	90.63 mm	Rubber Cut-back	
Head Diameter	87.63 mm	Side 1:	228.60 mm
Head Length	203.20 mm	Side 2:	228.60 mm
Weight	247 kg	Weight	336.19 kg
Thread Form	2.625XDV	Material	Alloy Steel

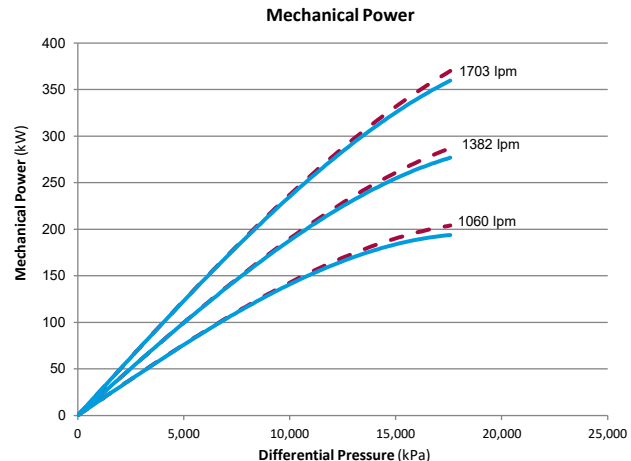
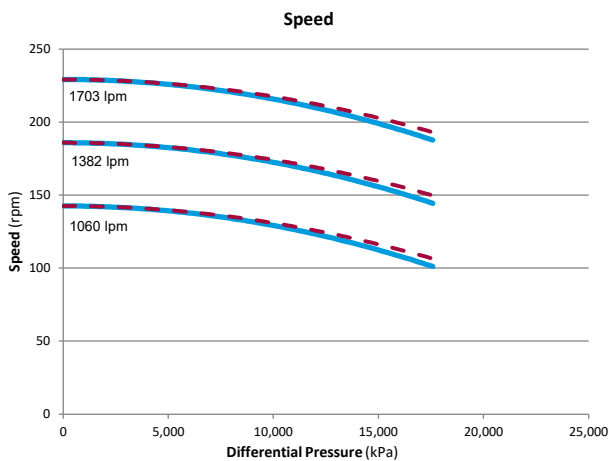
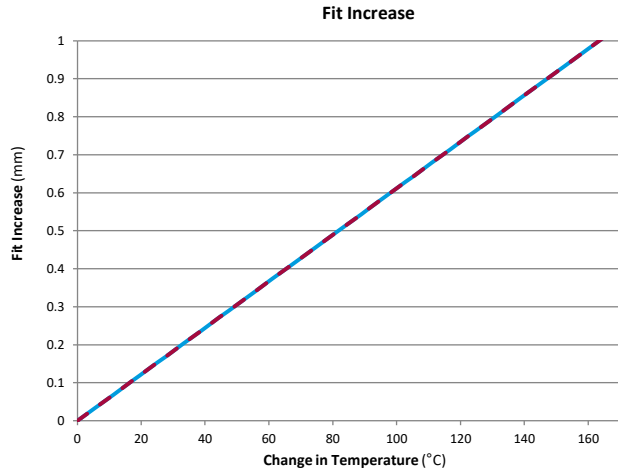
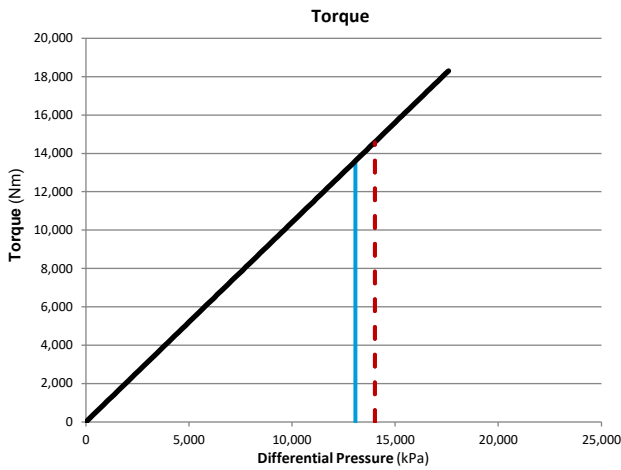
Specification 175°F			
Performance - Stator Group 2 Reference			
Flow Range	1060-1703		lpm
Rev per Unit Volume	0.13		Rev/liter
Speed Range	541-867		RPM
No Load Pressure Loss	1319		kPa
Max Recommended Pressure	POB	XTH	
	13,100 kPa	14,000 kPa	
Torque at Max Rec. Pressure	13,610 Nm	14,590 Nm	
Stall Pressure	23,920 kPa	25,650 kPa	
Stall Torque	24,920 Nm	26,700 Nm	

Stator Minors and Fit (mm) 70°F				
Size	POB		XTH	
	Minor (mm)	Fit (mm)	Minor (mm)	Fit (mm)
2	79.38	-0.05	79.38	-0.05

Alternate Dimensions		
	Max (mm)	Min (mm)
Reline Lengths	6604	6452
Alt. Stator OD (mm)	-	-
Alt. Rotor Avg. Diameter (mm)	-	-

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



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