



# ERT™ Power Section Specification (Metric Units)

## 550ERT6778

5.5" 6:7 Lobes 7.8 Stages

### Rotor Specifications

Overall Length	6413.5 mm
Avg. Diameter	73.91 mm
Contour Length	6223.0 mm
Eccentricity	5.21 mm
Major Diameter	84.33 mm
Head Diameter	78.74 mm
Head Length	190.5 mm
Weight	214 kg
Thread Form	2.438" XDV

### Stator Specifications

Overall Length	6604.0 mm
Tube OD	139.70 mm
Contour Length	6172.2 mm
Tube ID	86.87 mm
Rubber Cut-back	
Side 1:	215.9 mm
Side 2:	215.9 mm
Weight	295 kg
Material	Alloy Steel

### Performance Specifications

Flow Range	757-1609	lpm
Rev per Unit Volume	0.15	Rev/liter
Speed Range	116-245	RPM
No Load Pressure Loss	1402	kPa
Max Recommended Pressure	14,340	kPa
Torque at Max Rec. Pressure	11,250	Nm
Stall Pressure	26,270	kPa
Stall Torque	20,590	Nm

### Stator Minors and Fit (mm) at 21°C

Size	POB-PXP		XTH	
	Minor	Fit	Minor	Fit
A	73.91	0.00	73.91	0.00
1	74.24	-0.33	74.24	-0.33
6			74.47	-0.56

Reline Lengths (in.)	Max	6604	Min	6452
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.

