



# ERT™ Power Section Specification



## 650ERT6774

6.5" 6:7 Lobes 7.4 Stages

Specification 70°F			
Rotor		Stator	
Overall Length	6381.75 mm	Overall Length	6604.0 mm
Avg. Diameter	97.80 mm	Tube OD	165.10 mm
Contour Length	6159.50 mm	Contour Length	6108.70 mm
Eccentricity	6.826 mm	Tube ID	140.72 mm
Major Diameter	111.46 mm	Rubber Cut-back	
Head Diameter	101.60 mm	Side 1:	247.65 mm
Head Length	222.25 mm	Side 2:	247.65 mm
Weight	375 kg	Weight	435 kg
Thread Form	3.000 XDV	Material	Alloy Steel

Specification 175°F			
Performance - Stator Group 2 Reference			
Flow Range	1325-2650		lpm
Rev per Unit Volume	0.09		Rev/liter
Speed Range	124-248		RPM
No Load Pressure Loss	1509		kPa
	<b>POB</b>		<b>XTH/XRT</b>
Max Recommended Pressure	13,580 kPa		14,550 kPa
Torque at Max Rec. Pressure	20,320 Nm		21,770 Nm
Stall Pressure	24,890 kPa		26,680 kPa
Stall Torque	37,190 Nm		39,850 Nm

Stator Minors and Fit (mm) 70°F				
Size	POB		XTH/XRT	
	Minor (mm)	Fit (mm)	Minor (mm)	Fit (mm)
B	97.56	0.24		
0	97.917	-0.11	97.87	-0.06

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

