



ERT™ Power Section Specification



650ERT6774

6.5" 6:7 Lobes 7.4 Stages

Specification 70°F			
Rotor		Stator	
Overall Length	251.25 in.	Overall Length	260.00 in.
Avg. Diameter	3.851 in.	Tube OD	6.50 in.
Contour Length	242.50 in.	Contour Length	240.50 in.
Eccentricity	0.269 in.	Tube ID	5.540 in.
Major Diameter	4.388 in.	Rubber Cut-back	
Head Diameter	4.000 in.	Side 1:	9.75 in.
Head Length	8.75 in.	Side 2:	9.75 in.
Weight	827 lbs	Weight	960 lbs
Thread Form	3.000 XDV	Material	Alloy Steel

Specification 175°F			
Performance - Stator Group 2 Reference			
Flow Range	350-700	GPM	
Rev per Unit Volume	0.35	Rev/Gal	
Speed Range	124-248	RPM	
No Load Pressure Loss	219	psi	
	POB	XTH/XRT	
Max Recommended Pressure	1,970 psi	2,110 psi	
Torque at Max Rec. Pressure	14,990 ft-lbs	16,060 ft-lbs	
Stall Pressure	3,610 psi	3,870 psi	
Stall Torque	27,430 ft-lbs	29,390 ft-lbs	

Stator Minors and Fit (in.) 70°F				
Size	POB		XTH/XRT	
	Minor (in.)	Fit (in.)	Minor (in.)	Fit (in.)
B	3.841	0.010		
0	3.855	-0.004	3.853	-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

