

Didel SS 7mm Motor Performance

	Predicted Motor Measures			
	Amps	Efficiency (%)	Power (W) out	Motor Rpm
Orange				
Max Efficiency	0.19	67.0	0.44	23,779
Max Power	0.49	45.9	0.79	14,268
Red				
Max Efficiency	0.27	65.5	0.61	29,362
Max Power	0.69	46.0	1.11	17,617
Light Blue				
Max Efficiency	0.39	62.5	0.86	34,754
Max Power	0.93	45.3	1.47	21,387

Motor Prop	Gearing	Static Measurements					
		Amps	W (in)	Thrust (g)	Prop RPM	Motor RPM	
Orange							
BalsaProd 2.25x0.8	DD	0.49	1.72	9.4	14,070	same	
GWS 2.5x0.8	DD	0.43	1.51	8.8	15,750	same	
GWS 2.5x1.0	DD	0.46	1.61	10.0	15,150	same	
GWS 5x3	4:1	0.39	1.37	19.1	4,440	17,760	
MCF 5x3	4:1	0.38	1.34	16.9	4,740	18,960	
Red							
GWS 2.5x0.8	DD	0.67	2.35	10.9	17,700	same	
GWS 2.5x1.0	DD	0.70	2.45	12.9	16,740	same	
GWS 5x3	4:1	0.82	2.86	23.3	4,950	19,800	
MCF 5x3	4:1	0.78	2.71	21.1	5,160	20,640	
Blue							
GWS 5x3	4:1	0.88	3.08	29.2	5,700	22,800	
MCF 5x3	4:1	0.80	2.81	25.3	5,700	22,800	

DD are Direct drive results

Geared results are using the BSD 4:1 7mm gearbox

Note that the Didel light blue motor is equivalent to the Super Slicks purple motor.