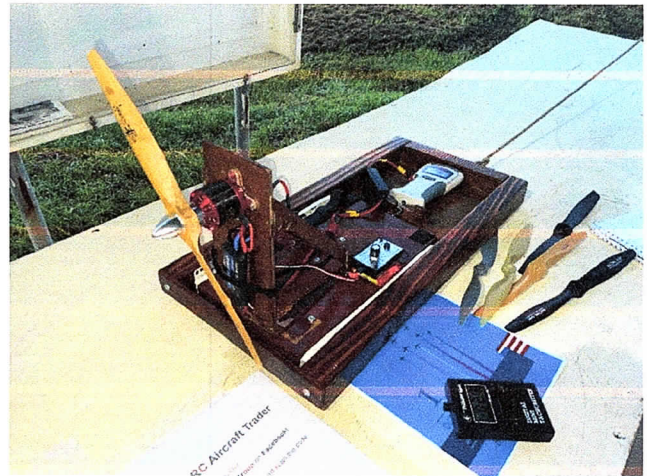


Prop Thrust/Efficiency Comparison

Test Conditions

Thrust test stand (electronic digital fish scale), 4 cell 5000 mah CNHL 50C battery. (Note, this battery was recharged between each and every test), E-flite Power meter, G Force 32 size motor at 800Kv, and photo tachometer.



Test Stand

Test Results

Propeller	Amp Draw	Thrust	RPM	Efficiency
	Amps	Lb/oz		Thrust/Amps
		Oz		Oz thrust per Amp
1. Zinger Wood a. Glow 13x8	76.3	6/5 101	7300	1.32
2. Master a. 12x8E	66.6	8/11 139	9,600	2.08
3. Master Glow a. 12x6	53.2	7/8 120	10,000	2.255
4. Gemfan E a. 12x6	52	5/15 95	9,900	1.83
5. Falcon Glow a. Wood	56	6/15 111	9700	1.98

		b. 12x8				
6.	Master Glow	63	7/10	9300		1.94
	a.	Three Blade		122		
	b.	12x8				
7.	APC	55.3	6/9	9900		1.89
	a.	12x8E		105		
8.	Master Glow	57.6	7/10	9900		2.12
	a.	13x6		122		

Turnigy 110 Motor / 290 RPM/ Volt

Prop	Voltage	Amp	Thrust LB/oz	RPM N/A	Efficiency OZ/AMP
			Ounces		
1. APC 20x13 electric	22.2	75	10.14	N/A	2.16
	6 cell		162.24		
2. APC 19x12 electric	29.6	84	11	N/A	2.095
	8 cell		176		