

ELECTRIC MOTOR TEST DATA SHEET rev2 15/02/21 (Motor size Amended)

Date of Test 12/02/21

Motor Details:

Make	Size	Watts	Kv Factor
Overlander Thumper	T4240/10	500	890

Test Rig Components

Battery # Cells	Esc Amps	Watt Meter	Rev Meter
4S 14.8v 6000Mahr	80	150A	Not Used

Test Data Results

Prop Size	Make	Thrust (Grams)				Amps				Watts			
		25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	25%/50%/75%/100%	
10x5	APC	35	480	1650	1720	1.75	6.3	24.7	27.2	30	95	361	400
10x6	APC	237	735	1900	1910	2.0	6.9	27	28	37	93	374	396
11x5.5	Blk	206	637	1778	1937	1.4	3.4	24	26.8	21.3	84	319	358
11X7	APC	238	829	2140	2150	1.2	8.6	33.7	35.7	32	133	479	508*
11X7	BONE	182	800	2008	2149	2.0	8.0	31.8	33.9	111	126	445	480
11X7	GEM	217	760	1980	1980	1.63	8.7	36.7	44.2	26.4	146	615*	640*
11x7.5	Blk	388	729	2020	2090	2.4	7.2	28.2	30.2	27	113	395	410
12x6	ccc	300	750	2275	2300	1.8	7.3	34	38	29	115	532*	573*
13x4	APC	305	521	2380	2400	2.2	8.2	32	34.3	24	104	440	456
13x6.5	APC	280	1190	2450	2600	2.0	14	43	49	29	135	557*	650*
13x8	APC	370	1070	2390	2690	4.2	6.5	48	51	6.6	80	570*	660*
14x6	APC	270	1335	2930	3099	2.5	10.7	41	51	32.7	179	680*	730*
14x10	APC	230	1360	2930	2650	remainder of test aborted							
15x7	APC	Not Tested											

Model Details

Name	Size(span inches)	Weight(Kg)	Type	Motor Size

Comments/conclusions

***Exceeds motor max watts**