

ELECTRIC MOTOR TEST DATA SHEET rev 4 15/02/21 (Motor size amended)

Date of Test 2/2/21 – 11/02/21

Motor Details:

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

Test Rig Components

Battery # Cells	Esc Amps	Watt Meter	Rev Meter
3S 11.1V	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	1.8	6.3	24.7	27.2	30	95	361	400
10x6	APC	68	360	840	958	1.4	4.6	20	24.8	15	62	220	260
11x5.5	Blk	82	355	990	1070	1.4	4.0	14	16	14.7	45	147	230
11X7	APC	113	495	1300	1430	1.4	4.6	20	24.8	15.0	62	220	260
11X7	BONE	129	540	1400	1500	1.4	4.6	21	24.2	15.7	52	225	250
11X7	GEM	130	318	850	960	1.4	4.8	17.6	20	16.7	57	170	190
11x7.5	Blk	46	400	1020	1100	1.4	4.7	16.5	17.5	16	50	165	174
12x6	ccc	70	260	670	685	1.7	5.0	20	23	13	49	169	192
13x4	APC	112	460	1480	1590	1.8	4.7	11	23	18	59	217	240
13x6.5	APC	166	710	1520	1580	1.5	8	27	30	20	75	265	300
13x8	APC	73	575	1450	1600	1.3	7.3	28	29.3	15	76	265	285
14x6	APC	167	800	1950	2000	1.7	8.2	32	34	15.7	102	340	360
14x10	APC	170	858	1926	2100	1.7	11.6	42	43	20	120	420	470
15x7	APC	128	980	2040	2300	1.7	10.3	33	42	25	100	375	420

Model Details

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

Comments/conclusions