

ELECTRIC MOTOR TEST DATA SHEET rev1 01/02/21

Date of Test 20/02/2021 – 23/02/2021 **Motor Details**

Make	Size	Watts	Kv Factor
BDUAV	4250	?	560KV

Test Rig Components

Battery # Cells	Esc Amps	Watt Meter	Rev Meter
3S 11.1V 2200 MaHr	80A	150A	Not Used

Test Data Results

Prop Size	Thrust (Grams)				Amps				Watts			
	25%/50%/75%/100%				25%/50%/75%/100%				25%/50%/75%/100%			
10x6 APC	75	288	650	695	1.0	2.7	7.0	7.7	12.4	32	81	92
11x5.5 Blk	72	275	650	690	1.0	2.2	6.2	7.0	10.0	27.5	76.5	83.4
11X7 APC	120	290	670	702	1.0	2.4	7.1	7.6	10.0	27.0	75	79
11X7 BONE	118	142	848	904	1.0	2.5	8.2	9.4	13.5	33.5	95	107.5
11X7 GEM	150	300	700	760	1.0	2.5	8.5	9.4	11.6	31	95	105
11x7.5 Blk	95	275	635	650	0.7	2.6	6.5	7.2	10.0	30	71	81
12x6 ccc	140	356	720	820	1.4	2.5	7.5	8.5	11.0	30	85	98
13x4 APC	134	332	880	935	1.0	2.7	7.7	8.8	13.6	30	96	100
13x6.5 APC	172	385	1135	1140	1.0	3.0	11.3	12.5	11.0	35.5	122	132
13x8 APC	92	310	898	960	1.1	3.1	11.5	12.8	10.0	35.0	130	136
14x6 APC	175	376	1025	1100	1.0	2.7	10.0	11.5	10.0	32	112	119
14x10 APC	177	430	1250	1270	1.1	3.7	15.6	16.7	10.0	43	160	170
15x7 APC	163	515	1320	1360	1.1	3.7	14.2	14.8	12	38	143	150

Model Details

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

Comments/conclusions