

**ELECTRIC MOTOR TEST DATA SHEET rev5 25/02/21**

**Date of Test** 25/02/21 – 28/02/21

**Motor Details:**

Make	Size	Watts	Kv Factor
BDAV	4250	est 650W?	560 Kv

**Test Rig Components**

Battery # Cells	Esc Amps	Watt Meter	Rev Meter
6s	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	335	680	1390	1400	1.7	4.7	12.3	13.2	35	92	235	242
10x6	APC	365	772	1770	1900	1.9	5.0	15.7	18.0	45	120	345	475
11x5.5	Blk	413	850	2100	2330	1.9	5.4	18.0	20.4	45	123	390	430
11X7	APC	450	930	2050	2200	2.0	6.0	21.5	23.5	44	140	450	470
11X7	BONE	400	970	2300	2380	1.8	5.6	22.5	25	40	132	420	480
11X7	GEM	380	800	1650	1700	2.0	5.5	21.0	23	49	140	420	440
11x7.5	Blk	350	845	1920	2000	1.6	5.0	17.0	18.5	43	110	340	370
12x6	ccc	440	560	2330	2400	2.5	6.1	21.5	23.4	43	122	465	490
13x4	APC	372	925	2500	2540	2.1	5.3	19.5	20.1	40	125	405	430
13x6.5	APC	425	1260	2730	3010	1.9	7.5	29.0	34.4	44	170	560	611
13x8	APC	500	1020	*		1.9	7.7	25.0	30.0		*		
14x6	APC												
14x10	APC												
15x7	APC												

\*Remainder of test aborted due to overloading motor

**Model Details**

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

**Comments/conclusions**