

**ELECTRIC MOTOR TEST DATA SHEET rev1 01/02/21**

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

<b>Make</b>	<b>Size</b>	<b>Watts</b>	<b>Kv Factor</b>
BDUAV	4250	?	560KV

**Test Rig Components**

<b>Battery # Cells</b>	<b>Esc Amps</b>	<b>Watt Meter</b>	<b>Rev Meter</b>
4S 14.8V 6600 MaHr	80A	150A	Not Used

**Test Data Results**

<b>Prop Size</b>	<b>Thrust (Grams)</b>				<b>Amps</b>				<b>Watts</b>			
	<b>25%/50%/75%/100%</b>				<b>25%/50%/75%/100%</b>				<b>25%/50%/75%/100%</b>			
10x6 APC	197	480	1030	1032	1.4	3.8	10.0	14.4	19	60	150	180
11x5.5 Blk	182	450	1055	1158	1.2	3.2	10.0	11.0	20	54	155	155
11X7 APC	191	520	1400	1470	1.2	4.9	13.2	15.0	22	59	210	230
11X7 BONE	200	588	1315	1467	1.5	3.6	12.7	15.0	21	55	200	225
11X7 GEM	190	480	1100	1190	1.4	3.5	13.5	15.2	19	60	196	227
11x7.5 Blk	157	440	1030	1140	1.3	3.4	10.4	11.6	18	55	153	171
12x6 ccc	210	512	1200	1265	1.3	3.7	10.6	12.5	21.5	50.5	160	182
13x4 APC	207	560	1330	1380	1.2	3.3	12.1	13.0	19.5	52	175	187
13x6.5 APC	295	650	1900	2030	1.0	4.2	19.2	22	22.5	65	200	220
13x8 APC	285	685	1760	1920	1.3	4.4	18.4	21	24.5	65	275	301
14x6 APC	210	625	1740	1825	1.1	4.3	17.3	18.5	21	60	250	260
14x10 APC	168	696	1800	2059	1.2	5.3	23	26.3	22	75	320	365
15x7 APC	275	785	2140	2240	1.2	5.0	17.6	27.4	20	70	317	342

**Model Details**

<b>Name</b>	<b>Size(span inches)</b>	<b>Weight(Kg)</b>	<b>Type</b>	<b>Motor Size</b>
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**Comments/conclusions**