

Motor Performance Summary

Motors	Weight	# Cells (Series)	V _{pack}	I _{pack}	Required Cell Capacity	C Rating	Shaft power	Efficiency	AUW Lb	AUW	Wing Area	Wing Span	Thrust : AUW	Power Weight ratio	Prop Dia.	Pitch	Prop Speed	Stall Speed	Pitch Speed	Pitch : Stall ratio
	oz	3.4	Vdc	A	mAh		Watts	%	Lb	Oz	in ²	Inch		watts/lb	Inch	Inch	RPM	MPH	MPH	>=2.5 & <=3
20 motors selected		11 avg	38 avg	107 avg	7,159 avg		3712 avg	91% avg	22.7 avg	364 avg	1,762 avg	97 avg	116% avg	157 avg	21 avg	12 avg	6611 avg	27 avg	74 avg	
Actro 40-6	18.4	10	36.2	31.6	2,104	15	991	87%	19.0	304	1,762	97	42%	52	16	10.5	6,819	25	68	2.8
BP A7035-9	58.0	12	40.3	129.0	8,602	15	4,862	93%	25.1	402	1,762	97	148%	193	23	12.2	6,736	28	78	2.8
BP A7050-6	58.0	12	39.4	157.7	10,512	15	5,741	92%	26.2	419	1,762	97	157%	219	23	12.9	6,524	29	80	2.8
BP R7050-6	54.0	12	39.4	157.7	10,512	15	5,741	92%	25.9	415	1,762	97	158%	222	23	12.8	6,524	29	79	2.8
EM Cyclon 110	14.1	10	35.9	43.0	2,867	15	1,398	91%	19.1	305	1,762	97	60%	73	18	11.0	6,490	25	68	2.8
EM Cyclon F3Aá	19.4	10	34.9	79.3	5,287	15	2,524	91%	20.5	328	1,762	97	99%	123	20	11.1	6,666	26	70	2.8
Hacker A100 8	64.0	12	37.5	219.4	14,630	15	7,438	90%	28.7	460	1,762	97	132%	259	23	13.0	6,788	30	83	2.8
Hacker A60 14L	28.1	11	37.1	123.5	8,236	15	4,194	91%	22.7	363	1,762	97	146%	185	22	11.8	6,652	27	74	2.8
Hacker A60 16L	28.1	12	40.8	115.4	7,694	15	4,395	93%	22.8	365	1,762	97	154%	193	23	12.1	6,499	27	74	2.8
Hacker A60 18M	24.6	11	38.1	90.2	6,015	15	3,152	92%	21.4	342	1,762	97	116%	147	21	11.2	6,773	26	72	2.8
Hacker A60 20M	24.6	12	41.8	84.1	5,608	15	3,219	92%	21.4	343	1,762	97	120%	150	21	11.5	6,640	26	72	2.8
Hacker A60 24S	21.0	10	35.4	61.6	4,108	15	1,992	91%	20.1	321	1,762	97	80%	99	19	11.1	6,605	25	70	2.8
Hacker A80 10	51.2	11	37.9	97.9	6,530	15	3,362	91%	23.3	373	1,762	97	117%	144	22	12.5	6,321	27	75	2.8
Hacker A80 8	51.2	10	33.4	135.2	9,014	15	4,120	91%	24.1	386	1,762	97	131%	171	22	11.9	6,784	28	76	2.8
HXT 80-100-A	55.5	12	39.3	160.8	10,720	15	5,765	91%	26.1	418	1,762	97	153%	221	23	12.7	6,588	29	79	2.8
HXT 80-85-B	43.5	12	41.4	96.7	6,450	15	3,556	89%	23.1	369	1,762	97	124%	154	22	12.3	6,421	27	75	2.8
Model Motors AXI AC5320/34	17.5	10	36.0	38.1	2,542	15	1,214	88%	19.1	306	1,762	97	51%	63	17	10.6	6,754	25	68	2.8
Model Motors AXI AC5330/24	23.0	10	35.6	54.0	3,603	15	1,707	89%	20.0	319	1,762	97	71%	86	19	11.5	6,400	25	69	2.8
TowerPro 5330-10T	24.0	10	31.7	200.9	13,394	15	6,194	97%	24.4	390	1,762	97	155%	254	23	12.2	6,668	28	77	2.8
Turnigy SK 63-74 170	29.6	12	42.2	71.1	4,743	15	2,673	89%	21.3	341	1,762	97	101%	125	20	11.5	6,562	26	72	2.8