

Weight: 612 g
21.6 oz

Wattmeter readings
 Current: 34.94 A
 Voltage: 21.45 V
 Power: 749.5 W

Tip Speed: 45 mph
496 km/h
308 mph

specific Thrust: 3.87 g/W
0.14 oz/W

Efficiency @ max: 74.9 %
Torque: 0.70 Nm
0.52 lbf.ft

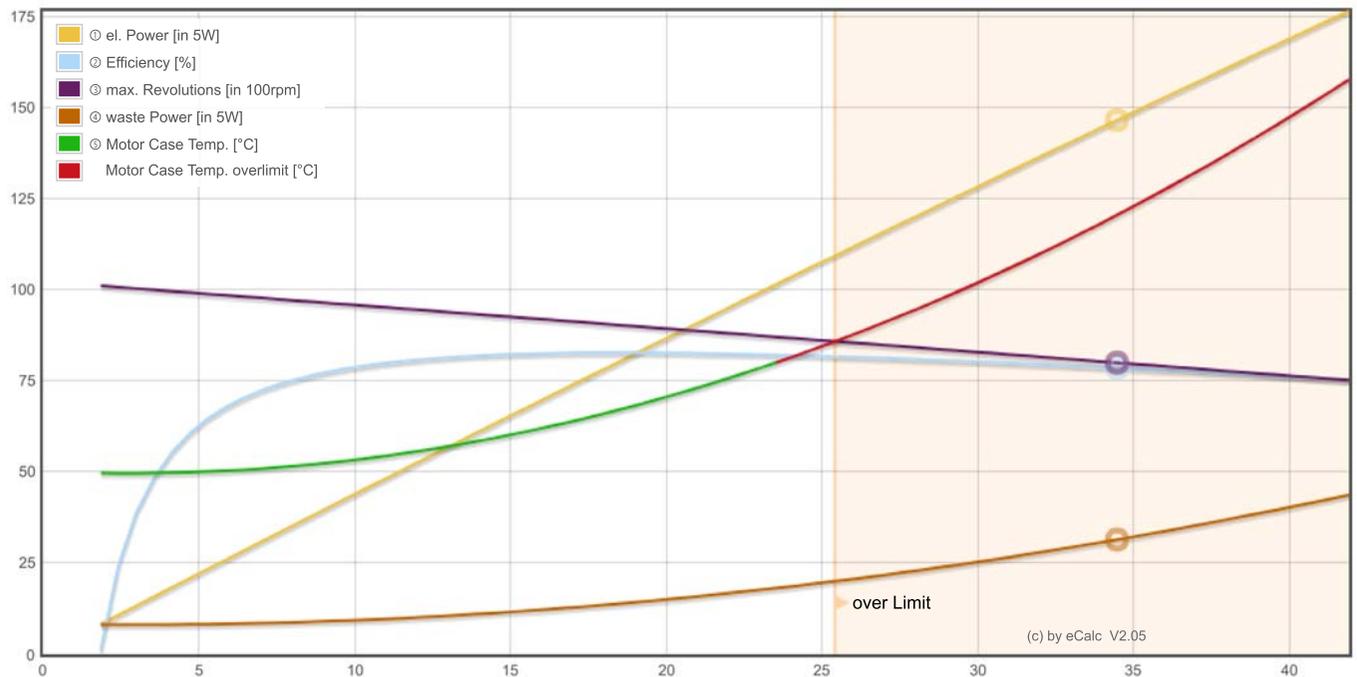
est. Speed (vertical): 42 mph
49 km/h
30 mph

est. rate of climb: 14.3 m/s
2811 ft/min

share add to >> Download .csv (0) << clear

Propeller rpm	Throttle %	Motor Partial Load													
		Current (DC) A	Voltage (DC) V	el. Power W	Efficiency %	Thrust g	oz	Spec. Thrust g/W	oz/W	Pitch Speed km/h	mph	Speed (level) km/h	mph	Motor Run Time (85%) min	
1200	12	0.2	22.2	3.7	52.8	65	2.3	17.5	0.62	11	7	-	-	1210.0	
1800	19	0.4	22.2	9.6	69.0	147	5.2	15.2	0.54	16	10	-	-	468.3	
2400	25	0.9	22.2	20.5	76.7	261	9.2	12.7	0.45	22	14	-	-	219.4	
3000	32	1.7	22.2	38.3	80.4	407	14.4	10.6	0.37	27	17	16	10	117.5	
3600	39	2.9	22.1	64.9	82.0	586	20.7	9.0	0.32	33	20	31	19	69.3	
4200	47	4.7	22.1	102.3	82.6	798	28.1	7.8	0.28	38	24	36	22	43.8	
4800	54	7.0	22.0	152.7	82.6	1042	36.8	6.8	0.24	44	27	41	25	29.3	
5400	62	10.0	22.0	218.3	82.3	1319	46.5	6.0	0.21	49	31	46	28	20.4	
6000	70	13.9	21.9	301.4	81.7	1629	57.4	5.4	0.19	55	34	51	32	14.7	
6600	79	18.7	21.8	404.5	81.0	1971	69.5	4.9	0.17	60	38	56	35	10.9	
7200	88	24.7	21.7	530.0	80.3	2345	82.7	4.4	0.16	66	41	61	38	8.3	
7800	97	31.9	21.5	680.5	79.5	2752	97.1	4.0	0.14	71	44	66	41	6.4	
7969	100	34.9	21.4	741.9	78.3	2873	101.3	3.9	0.14	73	45	68	42	5.8	

Motor Characteristic at Full Throttle



Important Note:

Before flight recheck your max. current! If your Current, el. Power or RPM are over the manufacturers limits your motor, controller and/or battery may take damage! **Verify before flight by measurment!**

for printing use Landscape format

* The manufacturer limitation is NOT monitored

** Testdata with reduced accuracy

(c) copyright by and intellectual property of Markus Mueller, Solution for All, www.s4a.ch, info[at]ecalc.ch
See HTML Source for full and complete copyright notice.
Version: P7.10, 09.10.17 / Data: 3.12.17 with 8422 Motors
translated to english by Markus Mueller

