

MPM2807 1350Kv Thrust Test Results

60x42 2-blade						
PWM signal	Thrust [g]	Voltage [V]	Current [A]	RPM	Power [W]	Efficiency [g/W]
1250	130	24.12	1.17	8388	28.22	4.62
1300	200	24.12	1.81	10146	43.66	4.57
1350	277	24.11	2.63	11742	63.49	4.36
1400	357	24.10	3.66	13185	88.23	4.05
1450	445	24.09	4.96	14747	119.48	3.72
1500	538	24.08	6.37	16162	153.47	3.51
1550	636	24.06	7.92	17469	190.66	3.34
1600	891	24.03	11.15	20634	267.91	3.33
1650	1025	24.01	13.59	22009	326.31	3.14
1700	1159	23.98	16.27	23385	390.22	2.97
1750	1292	23.95	19.23	24873	460.47	2.81
1800	1446	23.92	22.68	26010	542.43	2.67
1850	1583	23.88	26.37	27396	629.72	2.51
1900	1725	23.85	30.49	28539	727.12	2.37
1950	1791	23.79	35.57	29320	846.48	2.12

70x35 3-blade						
PWM signal	Thrust [g]	Voltage [V]	Current [A]	RPM	Power [W]	Efficiency [g/W]
1250	198	24.12	1.51	8095	36.43	5.44
1300	288	24.11	2.39	9565	57.68	4.99
1350	385	24.10	3.49	10967	84.16	4.57
1400	490	24.09	4.84	12238	116.71	4.20
1450	613	24.07	6.57	13507	158.15	3.87
1500	744	24.02	8.67	14777	208.12	3.57
1550	888	23.90	11.03	15992	263.61	3.37
1600	1039	23.78	13.53	17194	321.78	3.23
1650	1212	23.68	16.40	18708	388.38	3.12
1700	1573	23.91	22.26	21321	532.30	2.96

1750	1739	23.88	25.98	22315	620.33	2.80
1800	1893	23.84	29.88	23245	712.47	2.66
1850	2013	23.80	33.86	24077	806.12	2.50
1900	2156	23.76	38.31	24747	910.15	2.37
1950	2260	23.71	42.79	25408	1014.41	2.23

70x35 2-blade						
PWM signal	Thrust [g]	Voltage [V]	Current [A]	RPM	Power [W]	Efficiency [g/W]
1250	158	24.12	1.24	8160	30.02	5.25
1300	231	24.12	1.94	9720	46.71	4.95
1350	312	24.11	2.82	11194	67.89	4.59
1400	401	24.10	3.91	12574	94.25	4.26
1450	502	24.09	5.25	13892	126.39	3.97
1500	608	24.07	6.80	15164	163.72	3.72
1550	737	24.01	8.72	16558	209.29	3.52
1600	878	23.93	10.73	18162	256.79	3.42
1650	1244	23.99	15.41	21429	369.70	3.37
1700	1399	23.96	18.36	22742	439.96	3.18
1750	1548	23.92	21.59	23928	516.55	3.00
1800	1730	23.89	25.19	25223	601.72	2.87
1850	1884	23.85	29.05	26289	693.02	2.72
1900	2034	23.81	33.30	27386	793.08	2.56
1950	2142	23.77	37.78	28305	897.87	2.39

70x35 3-blade						
PWM signal	Thrust [g]	Voltage [V]	Current [A]	RPM	Power [W]	Efficiency [g/W]
1250	193	24.12	1.50	7782	36.17	5.35
1300	273	24.11	2.32	9085	56.03	4.88
1350	360	24.10	3.33	10317	80.38	4.48
1400	454	24.09	4.59	11435	110.60	4.10
1450	571	24.07	6.30	12736	151.70	3.76
1500	709	23.99	8.36	14004	200.55	3.53

1550	866	23.82	11.13	15376	265.12	3.27
1600	1029	23.68	13.87	16705	328.49	3.13
1650	1204	23.57	16.98	18036	400.10	3.01
1700	1612	23.88	23.77	20723	567.68	2.84
1750	1762	23.85	27.62	21678	658.84	2.68
1800	1904	23.82	31.65	22514	753.90	2.53
1850	2033	23.78	35.86	23210	852.59	2.39
1900	2138	23.74	40.23	23793	955.02	2.24
1950	2213	23.69	44.56	24228	1055.78	2.10

70x37 3-blade						
PWM signal	Thrust [g]	Voltage [V]	Current [A]	RPM	Power [W]	Efficiency [g/W]
1250	220	24.11	1.55	7710	37.30	5.89
1300	303	24.11	2.39	9001	57.63	5.27
1350	396	24.10	3.43	10200	82.60	4.80
1400	495	24.08	4.76	11382	114.75	4.32
1450	622	24.06	6.60	12702	158.83	3.92
1500	766	23.96	8.72	14059	208.80	3.67
1550	922	23.77	11.59	15351	275.39	3.35
1600	1086	23.63	14.37	16611	339.50	3.20
1650	1265	23.51	17.51	17925	411.54	3.07
1700	1662	23.85	24.63	20421	587.37	2.83
1750	1812	23.82	28.69	21187	683.50	2.65
1800	1925	23.79	32.87	21933	781.93	2.46
1850	2056	23.76	37.04	22671	879.80	2.34
1900	2170	23.72	41.59	23191	986.41	2.20
1950	2261	23.66	45.98	23559	1088.02	2.08