

RDMI5008 Black Motor (340KV)

Performance Data

Motor	ESC	Propeller	Power Source	throttle %	Voltage	Power (W)	Current (A)	RPM	Thrust (g)	Efficiency (g/W)
RD 5008 Black Motor 340KV	RD D-40	P18*6.1 Prop	6S LiPo	17.8%	25.09	14.9	0.59	1464	207.26	13.91
				21.3%	25.09	20.4	0.81	1680	281.96	13.82
				24.8%	25.09	26.7	1.07	1892	365.48	13.69
				28.3%	25.07	34.9	1.40	2129	473.98	13.58
				35.3%	25.04	57.9	2.30	2561	691.46	11.94
				38.8%	25.04	70.9	2.82	2738	850.10	11.99
				45.8%	25	106.7	4.18	3141	1073.00	10.06
				49.3%	24.97	126.2	5.05	3367	1267.88	10.05
				52.8%	24.93	153.2	6.07	3591	1432.62	9.35
				59.8%	24.88	201.1	8.10	3954	1836.01	9.13
				66.8%	24.81	263.1	10.54	4287	2271.92	8.64
				70.3%	24.81	284.6	11.90	4453	2556.44	8.98
				77.3%	24.72	366.7	14.56	4784	2691.32	7.34
				80.8%	24.68	384.6	15.98	4984	3009.47	7.82
				87.8%	24.63	473.0	19.33	5366	3511.34	7.42
				94.8%	24.47	591.7	24.38	5487	3792.57	6.41
				98.3%	24.38	642.0	26.34	5751	3910.57	6.09
				100.0%	23.75	712.5	30.00	6035	4205.57	5.90

Motor	ESC	Propeller	Power Source	Throttle % (1000-2000)	Voltage	Current (A)	Power (W)	RPM	Thrust (g)	Efficiency (g/W)
RD 5008 Black Motor 340KV	RD D-40	17x60 Foldable Propeller	6S LiPo	0.0%	25.11 V	.12 A	2.9	0	gm	0.00
				6.3%	25.11 V	.14 A	3.6	830	60 gm	16.67
				12.5%	25.11 V	.39 A	9.9	1324	152 gm	15.35
				18.8%	25.09 V	.76 A	19.0	1768	280 gm	14.74
				25.0%	25.07 V	1.25 A	31.3	2160	430 gm	13.74
				31.3%	25.05 V	1.93 A	48.3	2545	585 gm	12.11
				37.5%	25.04 V	2.86 A	71.8	2928	780 gm	10.86
				43.8%	25. V	4.29 A	107.4	3361	1034 gm	9.63
				50.0%	24.93 V	5.9 A	147.1	3746	1394 gm	9.48
				56.3%	24.89 V	7.78 A	193.9	4101	1692 gm	8.73
				62.5%	24.84 V	9.72 A	241.6	4416	1947 gm	8.06
				68.8%	24.81 V	11.98 A	297.4	4716	2088 gm	7.02
				75.0%	24.72 V	14.27 A	352.9	5001	2489 gm	7.05
				81.3%	24.68 V	17.07 A	421.5	5255	2814 gm	6.68
				87.5%	24.58 V	19.63 A	482.6	5506	3018 gm	6.25
				93.8%	24.51 V	22.52 A	552.1	5753	3310 gm	6.00
				100.0%	24.33 V	26.94 A	655.6	6043	3570 gm	5.45