

RD MI X6 6218 (12S)

UAV BLDC MOTOR

Performance Data

Motor	ESC	Propeller	Power Source	Time (Sec)	Servo	Voltage (V)	Current (A)	Power (W)	RPM	Thrust (g)	Efficiency (g/W)
RD MI X6 6218	RD T-Series V2 ESC 4S-12S, 60A	24*80 (Foldable propeller)	48V	120	1300	47.77	2.4	114.6	1913	957	8.35
				135	1325	47.74	2.84	135.6	2040	1117	8.24
				150	1350	47.67	3.63	173.0	2215	1378	7.96
				165	1375	47.63	4.21	200.5	2365	1562	7.79
				180	1400	47.57	4.88	232.1	2496	1798	7.75
				195	1425	47.51	5.62	267.0	2627	2001	7.49
				210	1450	47.46	6.45	306.1	2755	2352	7.68
				225	1475	47.34	7.51	355.5	2897	2617	7.36
				240	1500	47.28	8.45	399.5	3042	2895	7.25
				255	1525	47.17	10.1	476.4	3196	3198	6.71
				270	1550	47.04	11.05	519.8	3315	3470	6.68
				285	1575	46.89	12.48	585.2	3460	3890	6.65
				300	1600	46.78	13.87	648.8	3595	4288	6.61
				315	1625	46.66	15.64	729.8	3715	4802	6.58
				330	1650	46.55	17	791.4	3818	4952	6.26
				345	1675	46.45	18.52	860.3	3933	5582	6.49
				360	1700	46.20	20.49	946.6	4035	6015	6.35
				375	1725	46.02	22.24	1023.5	4130	6306	6.16
				390	1750	45.88	24.07	1104.3	4243	6655	6.03
				405	1775	45.71	26.01	1188.9	4334	6738	5.67
420	1800	45.55	28.11	1280.4	4435	7161	5.59				
435	1825	45.3	30.25	1370.3	4530	7332	5.35				
450	1850	45.17	31.94	1442.7	4618	7757	5.38				
465	1875	44.91	35.01	1572.3	4710	7849	4.99				
480	1900	44.4	38.91	1727.6	4856	8732	5.05				

The above test has been performed at an altitude of 123m above Sea level. The ambient temperature was 35°C.