



TABLE OF MOTOR PERFORMANCE DATA AND RECOMMENDED ACTION SPEED CONTROLLERS

Motor	Nominal Voltage	Voltage Range	No Load Speed*	No Load Current*	Speed @ Max Eff	Current @ Max Eff	Power @ Max Eff	Torque @ Max Eff	Suitable ESC
M7 Micro	2v	0.7v - 5v	2200rpm	0.018A	1600rpm	0.055A	0.057W	2.8g-cm	P52/68A
M5 Cassette	6v	1.5v - 9v	3700rpm	0.028A	3060rpm	0.134A	0.123W	14.5g-cm	P52/68A
260	3v	1.5v - 4.5v	6600rpm	0.13A	5100rpm	0.4A	0.42W	11.6g-cm	P52/68A
M3 280	3v	1.5v - 6v	9700rpm	0.15A	7930rpm	0.76A	1.22W	15g-cm	P78
M8 360	12v	12v - 24v	13500rpm	0.2A	10710rpm	0.77A	4.54W	41.3g-cm	P78/81
M4 385	12v	6v - 24v	9840rpm	0.18A	14010rpm	1.06A	14W	97.5g-cm	P79/81
M6 545	7.2v	6v - 7.2v	20400rpm	1.23A	16800rpm	5.75A	22.3W	130g-cm	P80
Mabuchi 555	12v	6v - 12v	4900rpm	0.25A	N/A	N/A	N/A	N/A	P79/81
MFA500 2.5:1	6v	4.5v - 15v	3000rpm	0.5A	N/A	N/A	N/A	N/A	P79/80
MFA500 6:1	12v	4.5v - 15v	2650rpm	1.3A	N/A	N/A	N/A	N/A	P79/80
ACTION 755	12v	6v - 18v	6500rpm	0.8A	N/A	N/A	N/A	N/A	P93/98
ACTION 900	12v	6v - 24v	6500rpm	1.1A	N/A	N/A	N/A	N/A	P93/98

Notes:

* At Nominal Voltage shown. Output shaft speed shown for the geared motors.

All figures quoted are from suppliers/manufacturer's own data sheets. Limited info available for some motors. M5 and M7 will usually be run from a receiver pack of 4.8v nominal.

The most suitable ESC depends upon a number of factors such as prop size and whether motor is geared or direct-drive. The recommendations are therefore just a guide.