

36mm MOTOR

Model (Lead Rear Exit)	Kv	Io@8V	Rm	P In*	I	Max I**	Max V	Shaft Dia	Weight
MR-036-050-5900V2-3F	5900RPM/V	2.60A	0.004Ω	700W	95A	115A	10V	3.17mm	230g
MR-036-050-4800V2-3F	4800RPM/V	2.40A	0.004 Ω	700W	97A	117A	13V	3.17mm	230q
MR-036-050-3300V2-3F	3300RPM/V	1.35A	0.007Ω	700W	75A	90A	18V	3.17mm	230q
MR-036-050-2200V2-3F	2200RPM/V	1.40A	0.007 Ω	700W	75A	90A	27V	3.17mm	230g
MR-036-050-1600V2-3F	1600RPM/V	0.90A	0.012 Ω	700W	57A	68A	38V	3.17mm	230q
MR-036-050-1300V2-3F	1300RPM/V	0.65A	0.019 Ω	700W	48A	58A	46V	3.17mm	230g
MR-036-050-5900V2-5	5900RPM/V	2.60A	0.004 Ω	700W	95A	115A	10V	5mm	230g
MR-036-050-4800V2-5	4800RPM/V	2.40A	0.004 Ω	700W	97A	117A	13V	5mm	230q
MR-036-050-3300V2-5	3300RPM/V	1.35A	0.007 Ω	700W	75A	90A	18V	5mm	230g
MR-036-050-2200V2-5	2200RPM/V	1.40A	0.007 Ω	700W	75A	90A	27V	5mm	230g
MR-036-050-1600V2-5	1600RPM/V	0.90A	0.012 Ω	700W	57A	68A	38V	5mm	230q
MR-036-050-1300V2-5	1300RPM/V	0.65A	0.019 Ω	700W	48A	58A	46V	5mm	230q
MR-036-050-1000V2-5	1000RPM/V	0.80A	0.019 Ω	700W	48A	57A	60V	5mm	230g
MR-036-050-0810V2-5	810RPM/V	0.65A	0.028 Ω	700W	40A	47A	74V	5mm	230q
MR-036-050-0610V2-5	610RPM/V	0.50A	0.049 Ω	700W	30A	36A	98V	5mm	230q

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MR-036-060-3100V2-5	3100RPM/V	2.70A	0.004 Ω	920W	103A	124A	19V	5mm	290q
MR-036-060-2200V2-5	2200RPM/V	2.80A	0.004 Ω	920W	102A	123A	27V	5mm	290g
MR-036-060-2000V2-5	2000RPM/V	1.70A	0.006 Ω	920W	87A	105A	30V	5mm	290g
MR-036-060-1800V2-5	1800RPM/V	2.30A	0.006 Ω	920W	82A	99A	33V	5mm	290q
MR-036-060-1600V2-5	1600RPM/V	1.30A	0.008 Ω	920W	78A	93A	35V	5mm	290q
MR-036-060-1500V2-5	1500RPM/V	1.40A	0.008 Ω	920W	77A	93A	40V	5mm	290g
MR-036-060-1300V2-5	1300RPM/V	1.10A	0.011 Ω	920W	67A	80A	46V	5mm	290q
MR-036-060-1100V2-5	1100RPM/V	0.90A	0.015 Ω	920W	58A	70A	55V	5mm	290q
MR-036-060-1000V2-5	1000RPM/V	0.80A	0.017 Ω	920W	55A	66A	60V	5mm	290g
MR-036-060-0850V2-5	850RPM/V	0.85A	0.017 Ω	920W	55A	66A	72V	5mm	290q
MR-036-060-0780V2-5	780RPM/V	0.75A	0.024 Ω	920W	46A	56A	80V	5mm	290g
MR-036-060-0650V2-5	650RPM/V	0.60A	0.039 Ω	920W	37A	44A	96V	5mm	290q
MR-036-060-0500V2-5	500RPM/V	0.45A	0.058 Ω	920W	30A	36A	98V	5mm	290q
MR-036-060-0420V2-5	420RPM/V	0.40A	0.091 Ω	920W	24A	29A	98V	5mm	290g

Model (Lead Side Exit)	Kv	Io@8V	Rm	P In*	I	Max I**	Max V	Shaft Dia	Weight
MR-036-050-5900V2SE-3F	5900RPM/V	2.60A	0.004 Ω	700W	95A	115A	10V	3.17mm	230g
MR-036-050-4800V2SE-3F	4800RPM/V	2.40A	0.004 Ω	700W	97A	117A	13V	3.17mm	230g
MR-036-050-3300V2SE-3F	3300RPM/V	1.35A	0.007 Ω	700W	75A	90A	18V	3.17mm	230g
MR-036-050-2200V2SE-3F	2200RPM/V	1.40A	0.007 Ω	700W	75A	90A	27V	3.17mm	230g
MR-036-050-1600V2SE-3F	1600RPM/V	0.90A	0.012 Ω	700W	57A	68A	38V	3.17mm	230g
MR-036-050-1300V2SE-3F	1300RPM/V	0.65A	0.019 Ω	700W	48A	58A	46V	3.17mm	230g
MR-036-050-5900V2SE-5	5900RPM/V	2.60A	0.004 Ω	700W	95A	115A	10V	5mm	230g
MR-036-050-4800V2SE-5	4800RPM/V	2.40A	0.004 Ω	700W	97A	117A	13V	5mm	230g
MR-036-050-3300V2SE-5	3300RPM/V	1.35A	0.007 Ω	700W	75A	90A	18V	5mm	230g
MR-036-050-2200V2SE-5	2200RPM/V	1.40A	0.007 Ω	700W	75A	90A	27V	5mm	230g
MR-036-050-1600V2SE-5	1600RPM/V	0.90A	0.012 Ω	700W	57A	68A	38V	5mm	230g
MR-036-050-1300V2SE-5	1300RPM/V	0.65A	0.019 Ω	700W	48A	58A	46V	5mm	230g
MR-036-050-1000V2SE-5	1000RPM/V	0.80A	0.019 Ω	700W	48A	57A	60V	5mm	230g
MR-036-050-0810V2SE-5	810RPM/V	0.65A	0.028 Ω	700W	40A	47A	74V	5mm	230g
MR-036-050-0610V2SE-5	610RPM/V	0.50A	0.049 Ω	700W	30A	36A	98V	5mm	230g

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MR-036-060-3100V2SE-5	3100RPM/V	2.70A	0.004 Ω	920W	103A	124A	19V	5mm	290g
MR-036-060-2200V2SE-5	2200RPM/V	2.80A	0.004 Ω	920W	102A	123A	27V	5mm	290g
MR-036-060-2000V2SE-5	2000RPM/V	1.70A	0.006 Ω	920W	87A	105A	30V	5mm	290g
MR-036-060-1800V2SE-5	1800RPM/V	2.30A	0.006 Ω	920W	82A	99A	33V	5mm	290g
MR-036-060-1600V2SE-5	1600RPM/V	1.30A	0.008 Ω	920W	78A	93A	35V	5mm	290g
MR-036-060-1500V2SE-5	1500RPM/V	1.40A	0.008 Ω	920W	77A	93A	40V	5mm	290g
MR-036-060-1300V2SE-5	1300RPM/V	1.10A	0.011 Ω	920W	67A	80A	46V	5mm	290g
MR-036-060-1100V2SE-5	1100RPM/V	0.90A	0.015 Ω	920W	58A	70A	55V	5mm	290g
MR-036-060-1000V2SE-5	1000RPM/V	0.80A	0.017 Ω	920W	55A	66A	60V	5mm	290g
MR-036-060-0850V2SE-5	850RPM/V	0.85A	0.017 Ω	920W	55A	66A	72V	5mm	290g
MR-036-060-0780V2SE-5	780RPM/V	0.75A	0.024 Ω	920W	46A	56A	80V	5mm	290g
MR-036-060-0650V2SE-5	650RPM/V	0.60A	0.039 Ω	920W	37A	44A	96V	5mm	290g
MR-036-060-0500V2SE-5	500RPM/V	0.45A	0.058 Ω	920W	30A	36A	98V	5mm	290g
MR-036-060-0420V2SE-5	420RPM/V	0.40A	0.091 Ω	920W	24A	29A	98V	5mm	290g

Model (Lead Side Exit)	Kv	Io@8V	Rm	P In*	I	Max I**	Max V	Shaft Dia	Weight
MR-036-070-2300V2SE-5	2300RPM/V	2.20A	0.005 Ω	1100W	98A	118A	26V	5mm	340g
MR-036-070-2000V2SE-5	2000RPM/V	2.60A	0.005 Ω	1100W	96A	115A	30V	5mm	340g
MR-036-070-1600V2SE-5	1600RPM/V	1.80A	0.007 Ω	1100W	85A	102A	38V	5mm	340g
MR-036-070-1200V2SE-5	1200RPM/V	1.30A	0.010 Ω	1100W	73A	88A	50V	5mm	340g
MR-036-070-1000V2SE-5	1000RPM/V	1.00A	0.014 Ω	1100W	63A	76A	60V	5mm	340g
MR-036-070-0880V2SE-5	880RPM/V	0.85A	0.017 Ω	1100W	58A	69A	68V	5mm	340g
MR-036-070-0750V2SE-5	750RPM/V	1.00A	0.017 Ω	1100W	57A	69A	80V	5mm	340g
MR-036-070-0600V2SE-5	600RPM/V	0.70A	0.027 Ω	1100W	46A	55A	100V	5mm	340g
MR-036-070-0500V2SE-5	500RPM/V	0.50A	0.037 Ω	1100W	40A	48A	120V	5mm	340g
MR-036-070-0380V2SE-5	380RPM/V	0.40A	0.070 Ω	1100W	29A	35A	158V	5mm	340g

Model (Lead Side Exit)	Kv	Io@8V	Rm	P In*	I	Max I**	Max V	Shaft Dia	Weight
MR-036-080-2200V2SE-5	2200RPM/V	1.90A	0.006 Ω	1300W	98A	117A	27V	5mm	400g
MR-036-080-2000V2SE-5	2000RPM/V	1.90A	0.006 Ω	1300W	98A	117A	30V	5mm	400g
MR-036-080-1600V2SE-5	1600RPM/V	2.10A	0.006 Ω	1300W	97A	116A	38V	5mm	400g
MR-036-080-1100V2SE-5	1100RPM/V	1.10A	0.011 Ω	1300W	75A	90A	55V	5mm	400g

*Based on adequate air flow around motor, i.e., open air stream behind propeller

**Max I can be present for 30 seconds

All Afterburner motors are rated for 60,000 RPM operation and use ABEC 5 bearings

For the best efficiency, your ESC should be setup with 8° to 15° advance, and a switching rate of 10 to 20kHz.

The above motors have 4 poles.