

30mm S-Series Brushless Motors

S-3008



S-3014



S-3020



S-3026



S-3032



The Scorpion S-Series 30mm brushless motors are available in 5 sizes to fit a wide range of Electric powered models, and are also suitable for Glow to Electric conversion of aircraft in the .10 to .60 size range. All the Scorpion 30mm motors feature a 5mm main shaft for extra strength, with 3 ball bearings to handle the loads. The 3032 size motors have an extra rear bearing that supports the back end of the flux ring for bullet-proof stability. Each motor has 3.5mm bullet connectors already installed, and includes a matching set of female bullet connectors, a cross style back plate mount with screws, and a threaded collet style prop adapter. All of the 30mm S-Series motors are built with 12-tooth stators, and 14 magnets in the rotor housings.

Model Number	Kv RPM/V	Io@10v Amps	Rm Ohms	Max Current	Max Power	Weight Ounces	Weight Grams	Body Diameter	Body Length	3-Cell Prop	4-Cell Prop	5-Cell Prop
S-3008-28	1253	1.43	0.072	26 A	400 W	3.03	86	37.5 mm	25.9 mm	10x5	8x4	7x5
S-3008-32	1090	1.04	0.094	23 A	400 W	3.03	86	37.5 mm	25.9 mm	11x5.5	9x4.5	8x4
S-3014-16	1187	2.23	0.038	43 A	600 W	4.33	122	37.5 mm	31.9 mm	11x7	9x6	8x4
S-3014-18	1064	1.58	0.043	38 A	600 W	4.33	122	37.5 mm	31.9 mm	12x6	10x5	9x4.5
S-3014-22	892	1.18	0.062	34 A	600 W	4.33	122	37.5 mm	31.9 mm	13x6.5	11x5.5	10x5
S-3020-12	1088	2.31	0.030	57 A	800 W	5.37	152	37.5 mm	37.9 mm	12x8	10x7	9x6
S-3020-14	931	1.93	0.040	46 A	800 W	5.37	152	37.5 mm	37.9 mm	13x8	11x7	10x5
S-3020-16	812	1.56	0.056	42 A	800 W	5.37	152	37.5 mm	37.9 mm	14x7	12x6	11x5.5
S-3026-8	1212	3.45	0.020	75 A	1000 W	6.67	189	37.5 mm	43.9 mm	12x8	10x7	9x6
S-3026-10	981	2.64	0.024	68 A	1000 W	6.67	189	37.5 mm	43.9 mm	14x7	12x6	10x7
S-3026-12	830	2.27	0.034	60 A	1000 W	6.67	189	37.5 mm	43.9 mm	15x8	13x6.5	12x6
S-3032-8	988	3.10	0.022	75 A	1200 W	7.78	224	37.5 mm	49.9 mm	14x8.5	12x6	10x7
S-3032-10	823	2.50	0.029	68 A	1200 W	7.78	224	37.5 mm	49.9 mm	15x10	14x7	11x8
S-3032-12	686	1.95	0.039	60 A	1200 W	7.78	224	37.5 mm	49.9 mm	18x12	15x8	12x8

40mm S-Series Brushless Motors



S-4020



S-4025

The Scorpion S-Series 40mm brushless motors are available in 2 sizes to fit larger electric powered models. These powerful motors are also suitable for Glow to Electric conversion of aircraft in the .60 to .90 glow or .90 to 1.20 four-stroke size ranges. All of the Scorpion 40mm motors feature a 6mm main shaft for extra strength, with 3 ball bearings supporting the shaft to handle the loads. Each motor comes with the output leads pre-tinned, to allow the user to select their own style of connector. A cross style back plate mount with screws, and a threaded collet style prop adapter are also included with each motor. All of the 40mm S-Series motors are built with 12-tooth stators, and 14 magnets in the rotor housings.

Model Number	Kv RPM/V	Io@21v Amps	Rm Ohms	Max Current	Max Power	Weight Ounces	Weight Grams	Body Diameter	Body Length	4-Cell Prop	5-Cell Prop	6-Cell Prop
S-4020-12	542	1.92	0.020	85 A	1500 W	10.72	304	48.7 mm	41.2 mm	18x12	16x10	14x10
S-4020-14	484	1.59	0.024	80 A	1500 W	10.48	297	48.7 mm	41.2 mm	19x12	17x10	15x10
S-4020-16	415	1.30	0.030	70 A	1500 W	10.72	304	48.7 mm	41.2 mm	20x13	19x12	17x10
S-4025-10	515	2.32	0.016	100 A	2000 W	12.49	354	48.7 mm	46.2 mm	19x12	16x12	15x10
S-4025-12	440	1.80	0.022	85 A	2000 W	12.24	347	48.7 mm	46.2 mm	20x13	18x12	17x10
S-4025-16	332	1.17	0.034	75 A	2000 W	12.45	353	48.7 mm	46.2 mm	24x12	22x12	19x12