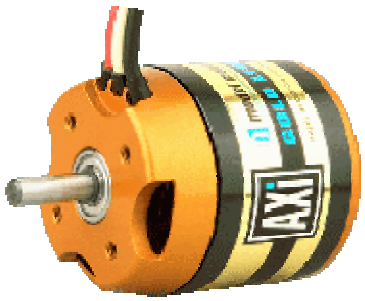
AXI 4130-20 GOLD SERIES
Out Runner Electric Motor

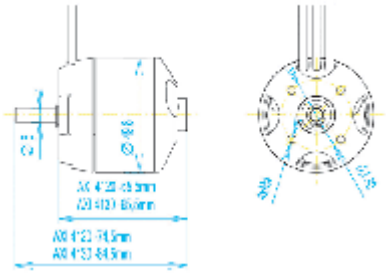
(Information Courtesy of AXI Model Motors)

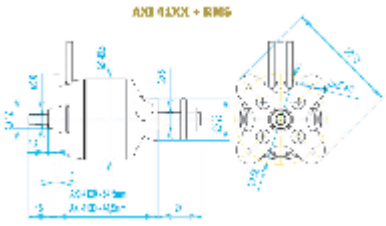
These brushless motors with neodymium magnets and a rotating case are manufactured using the latest technology from the finest quality materials. The hardened steel shaft supported by three ball bearings, and overall robust yet lightweight construction, ensure a long service life. A new feature in the AXI design is a provision for radial mounting (see picture). The optional radial mount set includes: mounting flange, propeller adaptor, securing collar, and screws. The unique design of these motors gives extremely high torque levels to turn large diameter and high pitch propellers with a high level of efficiency. This motor is suitable for large sailplanes weighing up to 7000g and sports aerobatic models up to 5000g.

Specification	
No. of cells	20 - 30 6 - 8 Li-Poly
RPM/V	305 RMP/V
Max. efficiency	88%
Max. efficiency current	18 - 40 A (>84%)
No load current / 10 V	1,2 A
Current capacity	55 A/60 s
Internal Resistance	99 mohm
Dimensions (diameter. x lenght)	49,8x65,5 mm
Shaft diameter	6 mm
Weight with cables	409 g



AXI 41XX





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Recommended setups for AXI 4130/20 GOLD LINE

	WEIGHT OF MODEL grams	ounces	Li-pol CELLS	NICD CELLS	CURRENT MAX I_{MAX}	JETI ADVANCE Pro ESC	PROPELLER
	5600	198	8s	24	55A/60s	77A	15"x10"
	4600	162	8s	24	55A/60s	77A	15"x12"
	3500	123	6s	18	55A/60s	77A	18"x10"
	3800	134	8s	24	55A/60s	77A	18"x8"
	6000	212	6s	18	55A/60s	77A	18,5"x12"
	7000	247	8s	24	55A/60s	77A	16"x10"
	10 - 12 ccm / .60-.70 -2stroke .75-.85 -4stroke						

Explanation of pictograms

Examples of use AXI 4130/20.

Motor	Prop. w/o gearbox	Battery	I/A	RPM	U (V)	P- OUT (W)	P- IN (W)	Efficiency (%)
4130/20	13x11 Aer CAM Carbon	24xRC 1700	19,9	7660	27	465	537	87
4130/20	13x11 Aer CAM Carbon	30xRC 1700	28	9100	32,6	782	913	86
4130/20	14x8 Aer CAM Carbon	24xRC 1700	24,4	7360	26,5	555	647	86
4130/20	14x8 Aer CAM Carbon	30xRC 1700	33,3	8670	31,8	906	1059	86
4130/20	14x10 Aer CAM Carbon	20xRC 1700	22,6	6120	22,3	432	504	86
4130/20	14x10 Aer CAM Carbon	24xRC 1700	29,6	7010	25,9	649	767	85

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4130/20	14x10 Aer CAM Carbon	30xRC 1700	39,6	8160	30,9	1024	1224	84
Motor	**Prop. w/o gearbox**	**Battery**	**I/A**	**RPM**	**U (V)**	**P- OUT (W)**	**P- IN (W)**	**Efficiency (%)**
4130/20	16x8 Aer CAM Carbon	24xRC 1700	27,5	7150	26,2	612	721	85
4130/20	16x8 Aer CAM Carbon	30xRC 1700	37,1	8360	31,2	980	1158	85
4130/20	16x10 Aer CAM Carbon	20xRC 1700	25,9	5920	22	482	570	85
4130/20	16x10 Aer CAM Carbon	24xRC 1700	33,3	6740	25,2	711	849	84
4130/20	17x9 Graup CAM fold prop	20xRC 1700	27,3	5830	21,8	503	595	85
4130/20	17x9 Graup CAM fold prop	24xRC 1700	35,1	6620	25,3	737	888	83
4130/20	18x11 Graup CAM fold prop	20xRC 1700	32,5	5490	21,3	572	692	83
4130/20	18x12 Aer CAM Carbon	20xRC 1700	33,6	5420	21,2	584	712	82
4130/20	18,5x12 Aer CAM Carbon	20xRC 1700	38,3	5120	20,7	631	793	80