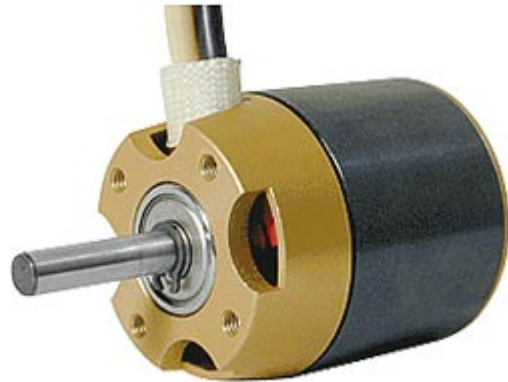


AXI 2820/10

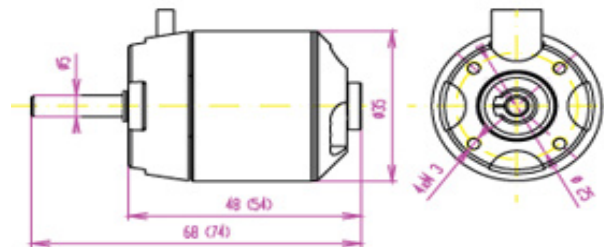
Brushless motors with neodymium magnets and rotating case are manufactured using advanced technologies from finest materials. Twin ballraced hardened steel shaft and overall robust but lightweight construction ensure very long lifetime. The unique design of the motors gives extremely high torque allowing to rotate large diameter and pitch propellers without need of a gearbox. More information also in [instruction manual](#).

Specification	
Nominal Voltage	8.0 V
Operating Voltage	7-12 V
No Load Motor Speed	8,800 RPM
RPM per Volt	1,100 RPM/V
Max. Efficiency with ESC	82%
Max. Efficiency Current	20-30 A
Max. Loading	42 A/60 s
No load Current / 10V	1,9 A
Internal resistance	39mohm
Dimensions	35x48 mm
Shaft Diameter	5 mm
Weight w/cables	152 g
Propeller range (direct drive)	10x6" - 12x8" 250/150 - 300/200



Recommended Power and Propeller Settings

Model	Weight	Power Pack	Propeller
	1000-1500 g	7 cells	12x8"/300x200
	1300-2000 g	8 cells	11x7"/280x180
	1400-2500 g	10 cells	10x6"/250x150



Example

Motor	Prop. w/o gearbox	Battery	I/A	RPM	U (V)	P- OUT (W)	P- IN (W)	Efficiency (%)
AXI 28/10	9x6 APC	7xRC 2000	14,6	7750	8	84,3	116,8	72,2
AXI 28/10	10x5 APC	7xRC 2000	17,1	7350	7,78	97,7	133	73,5
AXI 28/10	11x6 APC	7xRC 2000	22,7	6800	7,62	125,1	173	72,3
AXI 28/10	11x7 APC slim	7xRC 2000	24,2	6650	7,5	135,4	181,5	74,6
AXI 28/10	12x8 Aer	7xRC 2000	29,1	6010	7,12	140,9	207,2	68
AXI 28/10	9x6 APC	8xRC 2000	17,3	8700	9,1	119,2	157,4	75,7
AXI 28/10	10x5 APC	8xRC 2000	20,8	8300	9	140,6	187,2	75,1
AXI 28/10	11x6 APC	8xRC 2000	26,9	7600	8,8	174,6	236,7	73,8
AXI 28/10	11x7 APC slim	8xRC 2000	30,7	7400	8,62	186,6	264,6	70,5
AXI 28/10	12x8 Aer	8xRC 2000	36,7	6900	8,42	213,2	309	69
AXI 28/10	9x6 APC	10xRC 2000	22,8	10150	11	189,3	250,8	75,5
AXI 28/10	10x5 APC	10xRC 2000	27,3	9700	10,8	224,5	294,8	76,2
AXI 28/10	11x6 APC	10xRC 2000	35,8	8800	10,4	271	372,3	72,8
AXI 28/10	11x7 APC slim	10xRC 2000	39,2	8600	10,42	292,9	408,5	71,7
AXI 28/10	12x6 APC slim	10xRC 2000	40,5	8550	10,38	300,9	420,4	71,6