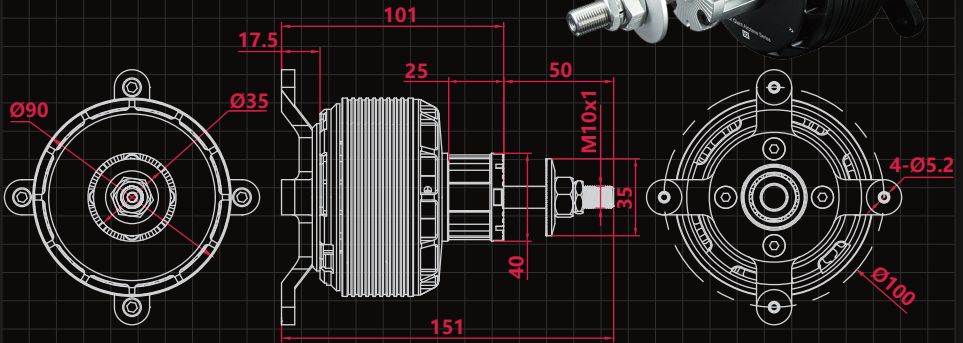


Dimension

(Unit : mm)



Specification

Name	APEX GA6000.8S
SKU	ADGA60008S
KV	180 KV
Weight	1020g (body only), 1180g (w/ accessories)
Dimensions(D x L)	90.2x101 mm
Length(overall)	151 mm
Diameter of Shaft	12mm(internal), 10mm(output)
Mounting holes pitch	100mm
Slots & Poles	24, 28
Io@10V	2.1 A
Ri	13.1 mOhm
No.of Cells(LiPo)	30V-51V, 10S-12S Lipo
Peak Power(15S)	6800W(9.2HP) @ 8000RPM
Burst Current (15S)	140A
Cruising power[8 mins]	3500W(4.8 HP)
Recommended ESC	APEX Summit 160XHV
Recommended Propeller	22x10, 23x8, 23x10(Max. 7650RPM), 24x8, 24x9, 24x10, 25x10 XOAR 24x10CF @ 12S, 125A, Thrust 18KG (NO ELECTIRC PROPELLER ALLOWED)
Weight of sports airplane	Up to 17 kg
Weight of 3D airplane	Up to 10 kg
Application	Designed for 55-60cc class, 3D airplanes or UAV systems.

44.4V

APEX GA6000.8S (180KV)

Motor @ Optimum Efficiency

124
A

Current

6726
rpm

Revolutions

5012
W

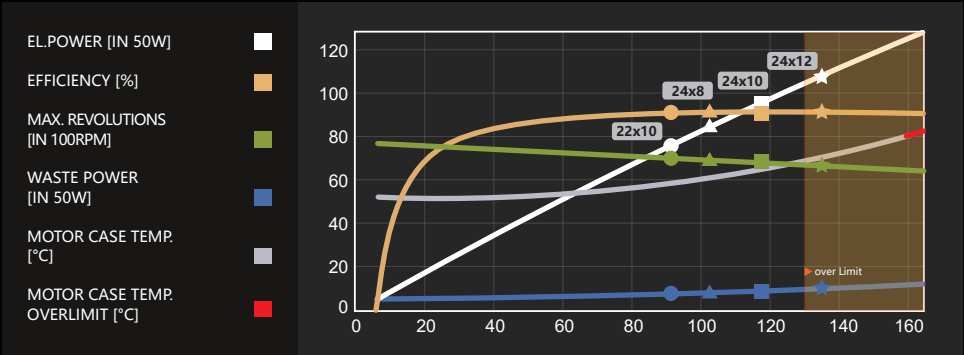
Electric Power

4582
W

Mech. Power

91.4
%

Efficiency



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	22x10						
	4000	53	16.7	730	88.9	4584	6.3
	4500	61	23.6	1029	89.8	5802	5.6
	5000	68	32.4	1402	90.4	7163	5.1
	6000	83	56.6	2407	91	10314	4.3
	6500	91	72.7	3055	91.1	12105	4
	6993	100	91.7	3801	90.9	14013	3.7
	24x8						
	4000	54	18.8	820	89.7	4761	5.8
	4500	61	26.7	1158	90.4	6026	5.2
	5000	68	36.6	1580	90.9	7439	4.7
	6000	84	64.3	2716	91.4	10713	3.9
	6500	93	82.8	3450	91.4	12572	3.6
	6916	100	101.1	4158	91.2	14233	3.4
	24x10						
	4000	54	23.3	1013	90.7	5951	5.9
	4500	62	33.2	1434	91.3	7532	5.3
	5000	69	45.8	1961	91.6	9299	4.7
	5500	77	61.6	2606	91.7	11252	4.3
	6000	86	81.1	3382	91.7	13391	4
	6761	100	119.8	4855	91.4	17005	3.5
	24x12						
	4000	55	27.9	1208	91.3	7142	5.9
	4500	62	39.9	1713	91.7	9039	5.3
	5000	70	55.2	2346	91.8	11159	4.8
	5500	79	74.6	3122	91.8	13502	4.3
	6000	88	98.6	4057	91.8	16069	4
	6619	100	137	5476	91.4	19557	3.6