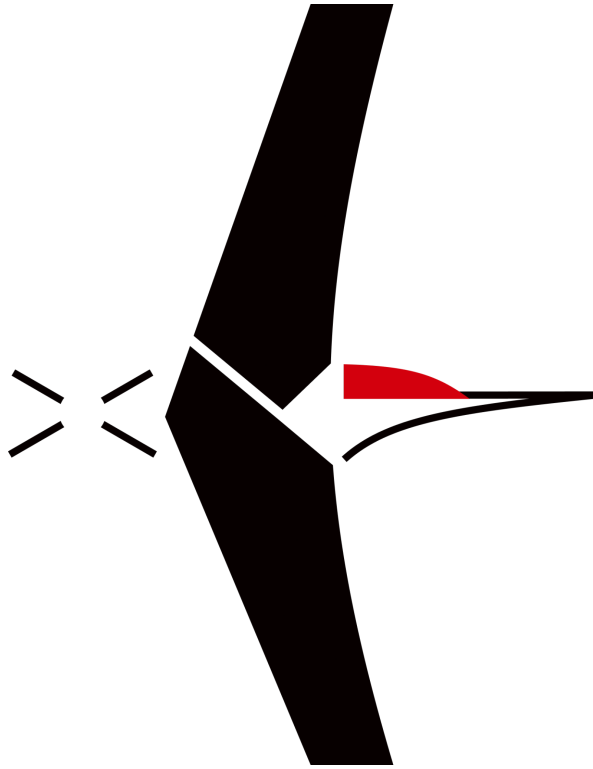




Flameback

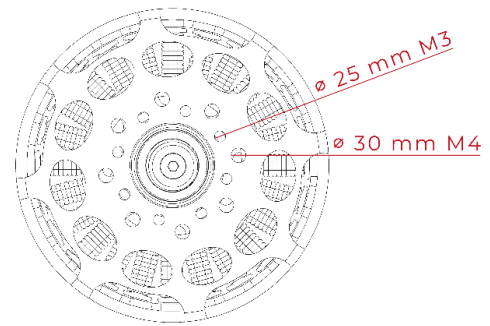
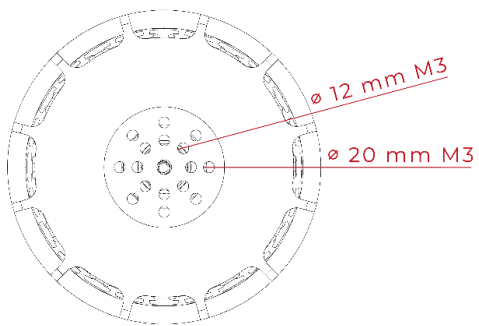
Advanced Propulsion Systems

6220 KV150
BLDC MOTOR

Technical Specifications

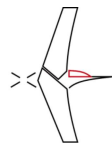


Flameback



Flameback 6220 KV 150 BLDC: Detailed Drawing

Flameback



Motor	Flameback 6220 X6 Plus KV 150				ESC	T-Motor		Propeller		2480	
Timestamp	10/04/2025 12:47:43				Test Mode	Auto (Increase)		Barometric pressure		99.32 kPa	
Power Mode	Battery				Shaft Power Calculation:	Commutation		Ambient Temp:		35.5°C	
Log #	20250410124743				Filter (s)	2.0		Ambient Humidity		29.68%RH	
					Current	50A		Air Density		1.121kg/m³	
Throttle %	Commutation Speed RPM	Thrust (gf)	Torque (Nm)	Voltage (V)	Current (A)	Electrical power (W)	Mechanical power (W)	Electric drive efficiency (%)	Propeller efficiency (gf/W)	Propulsion system efficiency (gf/W)	Temperature
10.000	1337.758	539.000	0.172	50.120	0.624	31.275	24.095	77.042	22.37	17.234	36.6
20.000	2044.223	1443.000	0.423	50.070	2.324	116.363	90.552	77.819	15.936	12.401	36.300
30.000	2737.1	2776.000	0.768	49.984	5.345	267.164	220.131	82.395	12.611	10.391	36.500
40.000	3411.81	4194.000	1.252	49.823	10.854	540.779	447.319	82.718	9.376	7.755	36.700
50.000	3959.686	5993.000	1.730	49.623	17.572	871.975	717.357	82.268	8.354	6.873	37.300
60.000	4460.16	7278.000	2.141	49.385	25.157	1242.378	999.990	80.490	7.778	5.858	38.200
70.000	4947.048	8898.000	2.642	49.089	34.876	1712.028	1368.698	79.946	6.501	5.197	39.700
80.000	5330	10718.000	3.141	48.745	46.100	2247.144	1753.169	78.018	6.114	4.770	41.600
90.000	5326.471	10413.000	3.086	48.699	45.382	2210.058	1721.330	77.886	6.049	4.712	43.500
100.000	5307.412	10580.000	3.082	48.645	45.419	2209.407	1712.948	77.530	6.176	4.789	45.100

