

System Specifications



4,56 Kg

Maximal Thrust



24"

Propeller
Diameter



24 V

Voltage



434,8 g

Mass

Motor

Name:	ASTM002 KV185
Part number:	
Manufacturer:	Aster
KV [RPM/V]:	185
Max voltage [V]	24
Mass (incl. cables)[g]:	315
Max peak Current [A]:	51
Contact:	Aster Co., Ltd.

ESC

Name:	Alpha 60A LV6S
Part number:	
Manufacturer:	T-Motor
Mass (incl. cables) [g]:	62.8
Max continuous Current [A]:	40
Max peak Current [A]:	60
Voltage [V]:	18 – 25.2
Contact:	onlinesales@tmotor.com

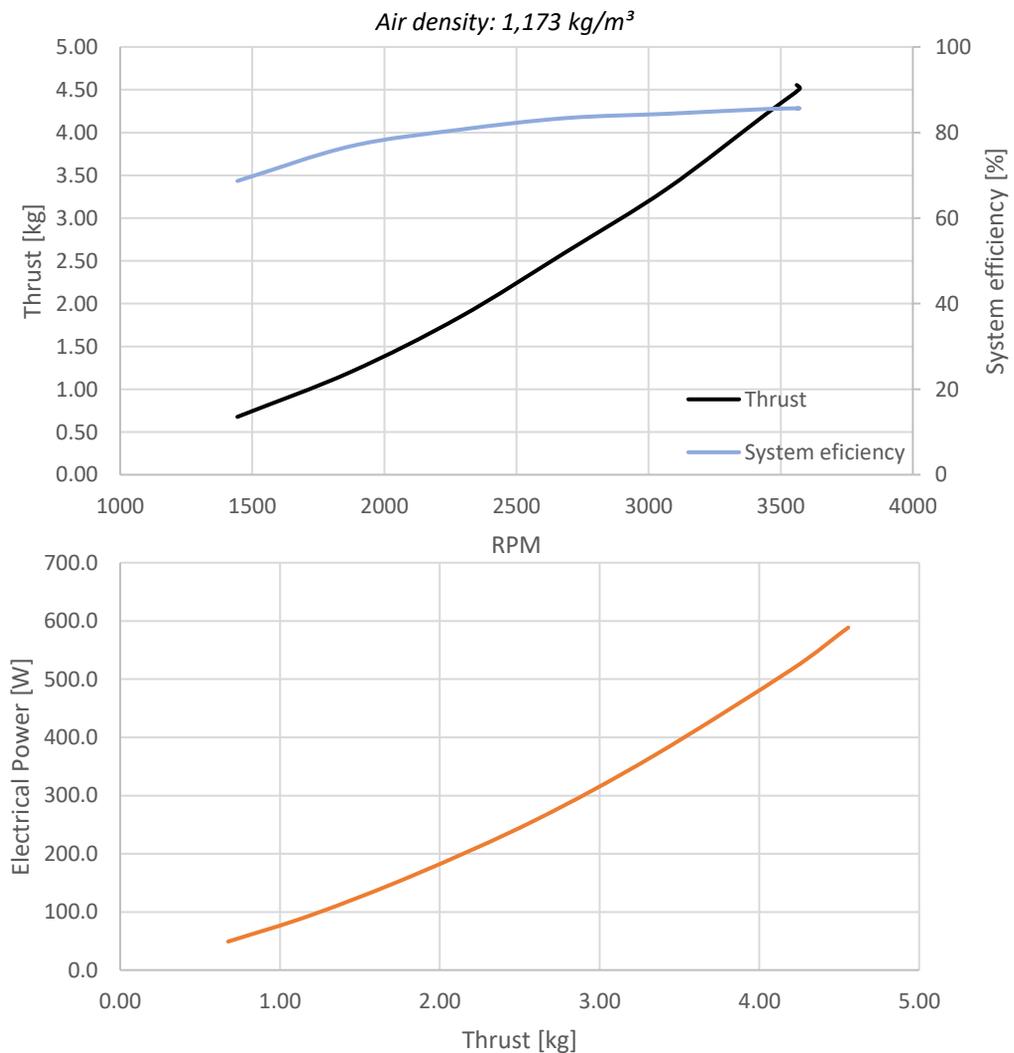
Propeller

Name:	24x8.1 2B MC
Manufacturer:	Mejzlik
Diameter ["]:	24
Pitch ["]:	8.1
Mass [g]:	57
Contact:	info@mejzlik.eu

Measurements

ID 0084

PWM [μ s]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] ^[1]
1370	1444	0.68	0.22	23.8	2.1	33.7	49.2	68.7
1460	1873	1.20	0.37	23.7	4.0	73.1	95.2	76.8
1550	2286	1.84	0.55	23.7	6.9	132.4	164.1	80.7
1640	2684	2.60	0.76	23.7	10.9	215.0	257.9	83.4
1730	3069	3.34	0.97	23.7	15.6	311.5	369.1	84.4
1820	3438	4.20	1.23	23.6	21.9	442.1	517.1	85.5
1910	3571	4.51	1.33	23.6	24.5	496.4	579.3	85.7
2000	3560	4.56	1.35	23.6	24.9	504.6	588.9	85.7



^[1] Includes motor efficiency, controller efficiency, wire and connectors losses.