

## System Specifications



**5,84 Kg**

Maximal Thrust



**26"**

Propeller Diameter



**24 V**

Voltage



**444,8 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:	<a href="#">Aster Co., Ltd.</a>

### ESC

Name:	<a href="#">Alpha 60A LV6S</a>
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:	<a href="mailto:onlinesales@tmotor.com">onlinesales@tmotor.com</a>

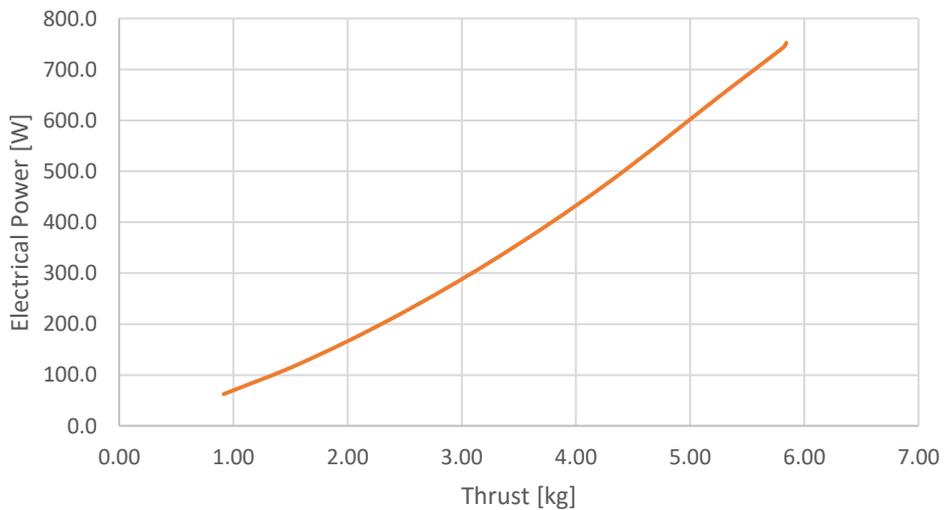
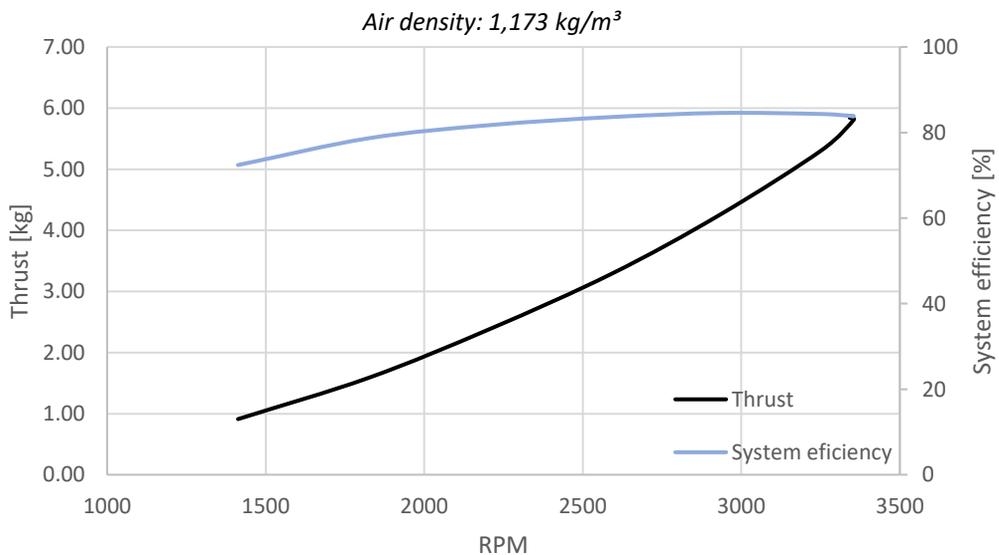
### Propeller

Name:	<a href="#">26x8.7 2B MC</a>
Manufacturer:	Mejzlik
Diameter ["]:	26
Pitch ["]:	8.7
Mass [g]:	67
Contact:	<a href="mailto:info@mejzlik.eu">info@mejzlik.eu</a>

# Measurements

ID 0085

PWM [μs]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] <sup>[1]</sup>
1370	1413	0.91	0.31	23.8	2.6	45.2	62.5	72.4
1460	1826	1.59	0.51	23.7	5.2	97.1	123.5	78.7
1550	2210	2.39	0.75	23.7	8.9	173.2	211.9	81.7
1640	2592	3.29	1.01	23.7	13.9	274.5	328.3	83.6
1730	2934	4.26	1.31	23.7	20.0	401.0	474.2	84.6
1820	3254	5.32	1.63	23.6	27.8	554.3	657.5	84.3
1910	3355	5.81	1.77	23.6	31.5	622.3	742.5	83.8
2000	3342	5.84	1.80	23.6	31.9	630.9	752.1	83.9



<sup>[1]</sup>Depends on Maxon ESC parameter settings. Throttle to RPM ratio can be configured individually and does not necessarily correspond to PWM duty cycle.

<sup>[2]</sup>Includes motor efficiency, controller efficiency, wire and connectors losses.