

## System Specifications



**3,5 Kg**

Maximal Thrust



**22"**

Propeller  
Diameter



**24 V**

Voltage



**427,8 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>

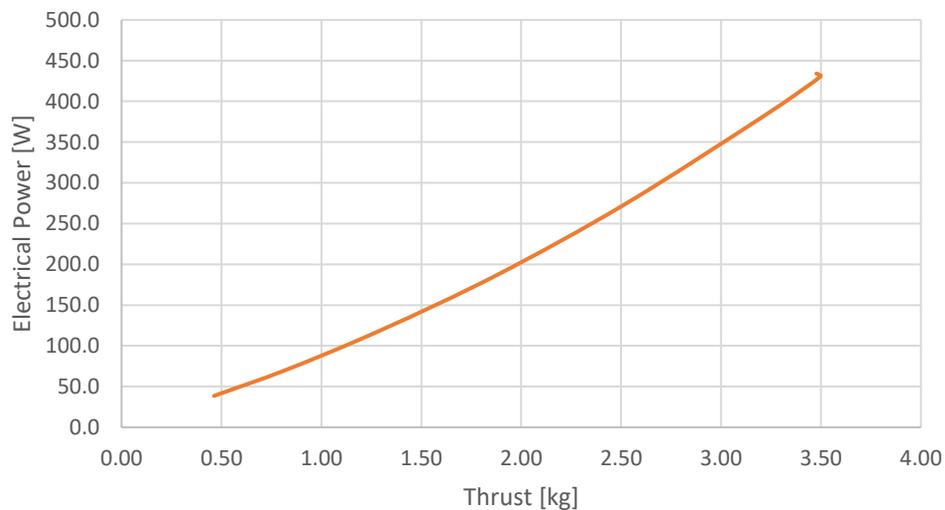
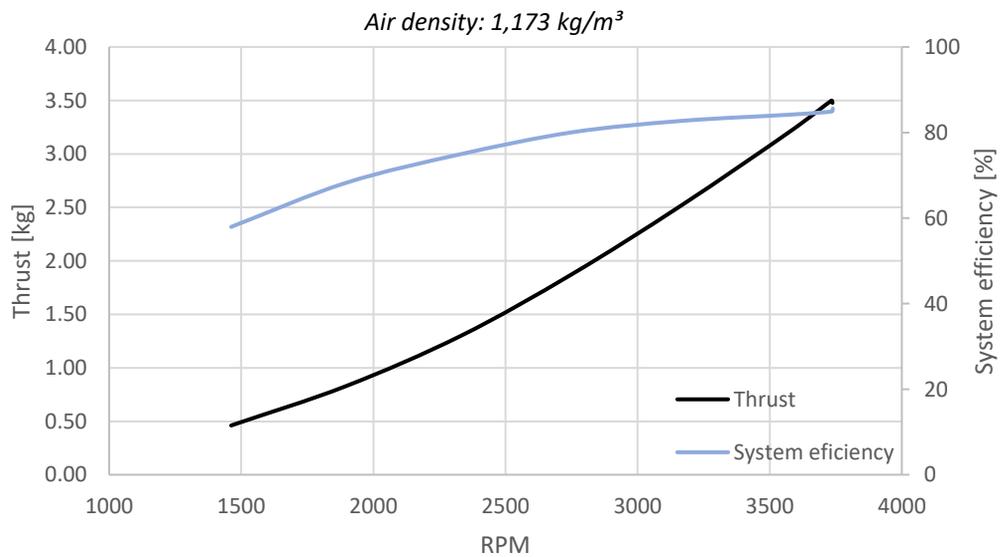
### Propeller

Name:	<a href="#">22x7.4 2B MC</a>
Manufacturer:	Mejzlik
Diameter ["]:	22
Pitch ["]:	7.4
Mass [g]:	50
Contact:	<a href="mailto:info@mejzlik.eu">info@mejzlik.eu</a>

# Measurements

ID 0083

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	1462	0.46	0.15	23.8	1.6	22.3	38.6	58.0
1460	1896	0.83	0.24	23.7	3.0	48.6	71.2	68.2
1550	2333	1.30	0.37	23.7	5.0	89.8	119.7	75.0
1640	2754	1.88	0.52	23.7	7.9	149.8	187.1	80.1
1730	3166	2.52	0.68	23.7	11.5	226.4	273.8	82.7
1820	3575	3.21	0.86	23.7	16.1	320.4	380.8	84.1
1910	3734	3.50	0.93	23.7	18.2	365.5	430.5	84.9
2000	3738	3.48	0.95	23.7	18.3	371.5	434.2	85.6



<sup>[1]</sup> Includes motor efficiency, controller efficiency, wire and connectors losses.