

## System Specifications



**1.63 Kg**

Maximal Thrust:



**13"**

Propeller Diameter



**22.2 V**

Voltage



**213 g**

Mass

### Motor

Name:	<a href="#">M-3014-380kv</a>
Manufacturer:	Scorpion
KV [RPM/V]:	377
Mass (Inc. Cables) [g]:	121
Max Continuous Current [A]:	15
Max Peak Current (2s) [A]:	20
Voltage [V]:	26
Contact:	<a href="mailto:support@spihk.com">support@spihk.com</a>

### ESC

Name:	<a href="#">Tribunus 06-80A ESC SBEC</a>
Manufacturer:	Scorpion
Mass (Inc. Cables) [g]:	74
Max continuous Current [A]:	80
Max peak Current (2s) [A]:	120
Voltage [V]:	26.1
Contact:	<a href="mailto:support@spihk.com">support@spihk.com</a>

### Propeller

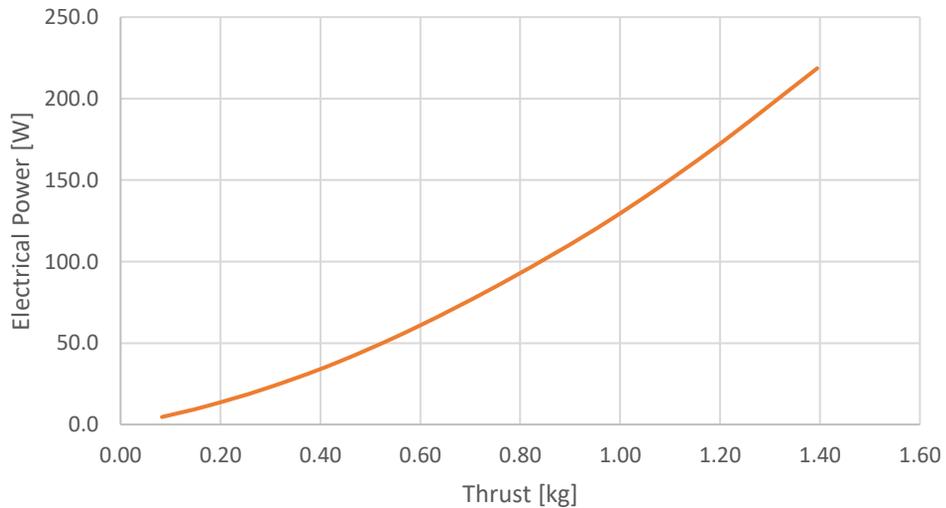
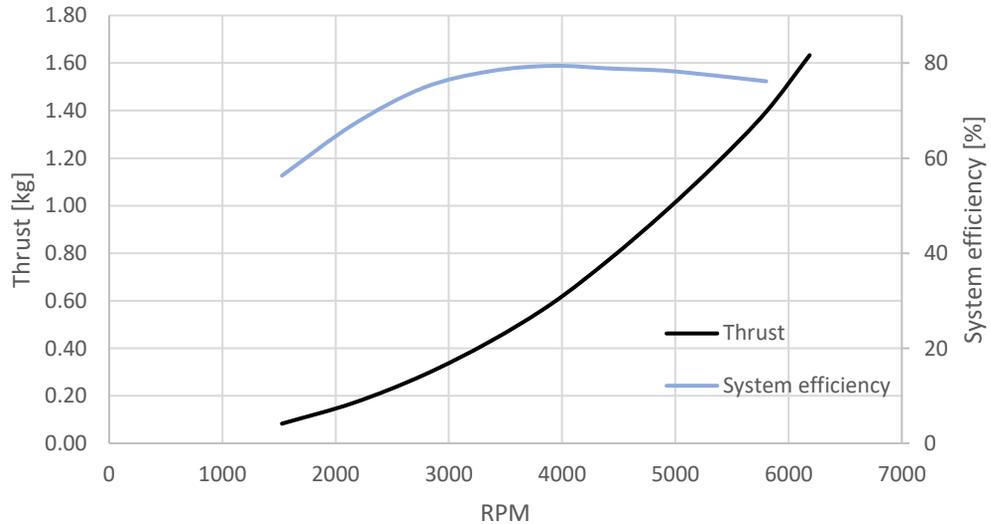
Name:	<a href="#">13x4.2 - 3 Bladed</a>
Manufacturer:	Mejzlik
Diameter ["]:	13
Pitch ["]:	4.2
Mass [g]:	18
Contact:	<a href="mailto:info@mejzlik.eu">info@mejzlik.eu</a>

# Measurements

ID 0008

Throttle [%]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] <sup>[1]</sup>
20	1525.5	0.08	0.02	22.2	0.2	2.7	4.8	56.3
29	2159	0.17	0.03	22.2	0.5	7.6	11.3	67.1
38	2778	0.29	0.06	22.2	1.0	16.4	22.0	74.8
47	3366	0.43	0.08	22.2	1.7	29.5	37.7	78.3
56	3915	0.59	0.12	22.2	2.7	47.2	59.5	79.4
64	4423	0.78	0.15	22.2	4.0	70.2	89.0	78.8
73	4908	0.97	0.19	22.1	5.6	97.7	124.6	78.4
82	5364.5	1.18	0.23	22.1	7.6	129.5	167.5	77.3
91	5802	1.39	0.27	22.0	9.9	166.5	218.7	76.2
100	6187	1.63	0.32	22.0	12.7	207.4	278.5	74.5

Temperature: 26°C, Air Pressure: 1005hPa, Relative Humidity: 28%



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