

## System Specifications



**2.94 Kg**

Maximal Thrust:



**16"**

Propeller  
Diameter



**22.2 V**

Voltage



**320 g**

Mass

### Motor

Name:	<a href="#">M-4215-320kv</a>
Manufacturer:	Scorpion
KV [RPM/V]:	325
Mass (Inc. Cables) [g]:	228
Max Continuous Current [A]:	30
Max Peak Current (2s) [A]:	40
Voltage [V]:	42
Contact:	support@spihk.com

### 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:	support@spihk.com

### Propeller

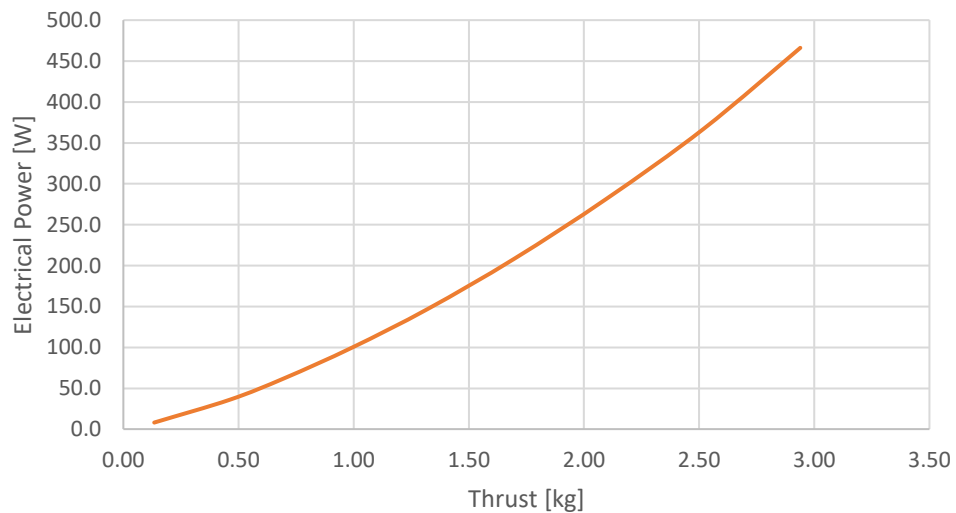
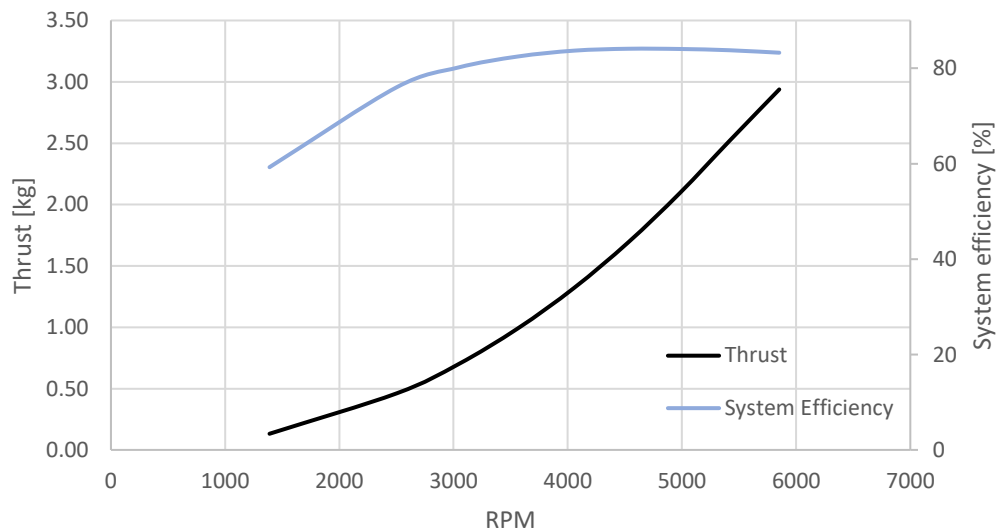
Name:	<a href="#">16x5.5 - 3 Bladed</a>
Manufacturer:	Mejzlik
Diameter ["]:	16
Pitch ["]:	5.5
Mass [g]:	32
Contact:	info@mejzlik.eu

# Measurements

ID 0016

Throttle [%]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] <sup>[1]</sup>
20	1390	0.13	0.03	22.2	0.4	4.7	8.0	59.3
38	2504	0.46	0.10	22.2	1.6	27.4	36.1	76.0
47	3045	0.70	0.16	22.2	2.8	50.1	62.5	80.2
56	3566	0.99	0.22	22.1	4.5	82.2	99.7	82.5
64	4058	1.32	0.29	22.1	6.7	123.1	147.1	83.7
73	4534	1.70	0.37	22.0	9.4	175.0	208.0	84.1
82	4985	2.10	0.45	22.0	12.8	236.6	281.5	84.0
91	5417	2.52	0.54	21.9	16.8	307.7	367.3	83.8
100	5854	2.94	0.63	21.8	21.4	388.3	466.3	83.3

Temperature: 25.9°C, Air Pressure: 1011hPa, Relative Humidity: 29%



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