

## System Specifications



**3.14 Kg**

Maximal Thrust:



**17"**

Propeller  
Diameter



**22.2 V**

Voltage



**326 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**

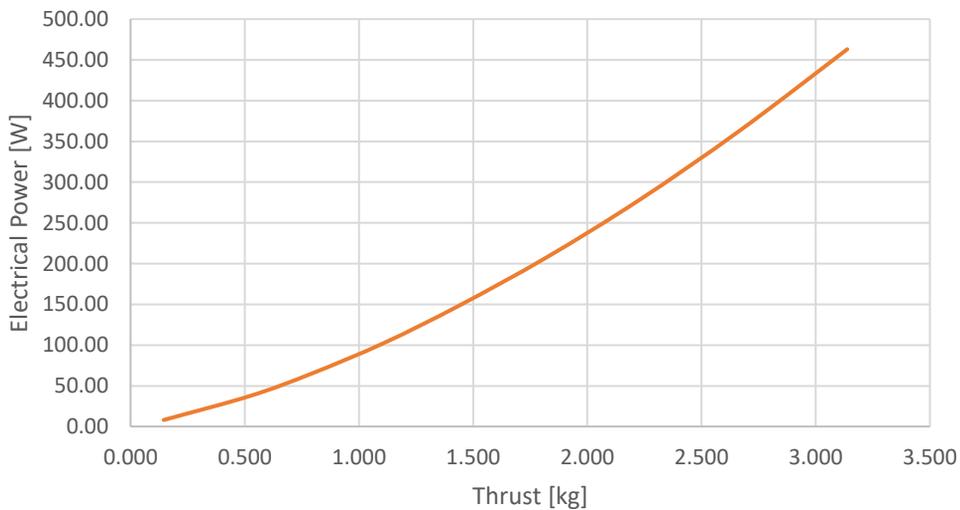
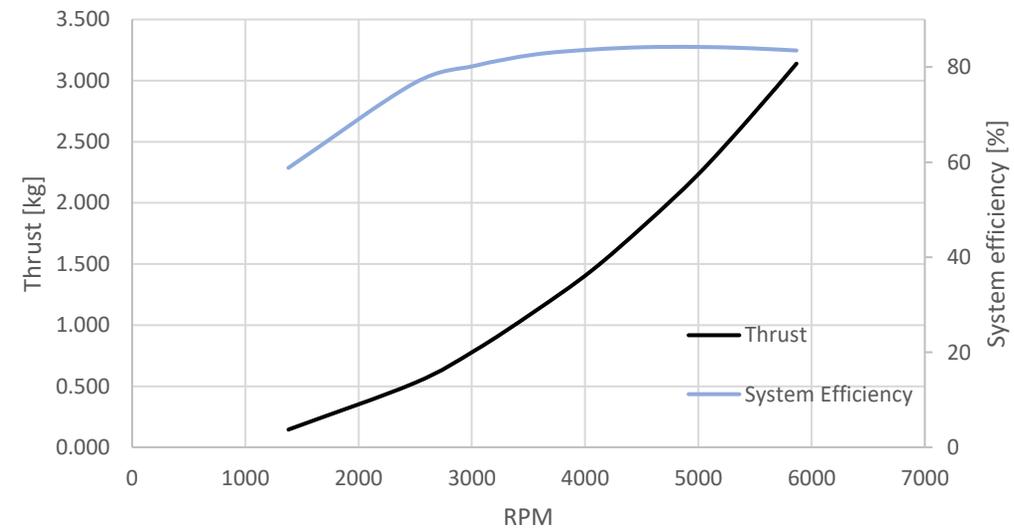
Name:	<a href="#">17x5.7</a>
Manufacturer:	Mejzlik
Diameter ["]:	17
Pitch ["]:	5.7
Mass [g]:	24
Contact:	info@mejzlik.eu

# Measurements

ID 0019

Throttle [%]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] <sup>[1]</sup>
20	1382	0.15	0.03	22.2	0.4	4.9	8.3	58.8
38	2490	0.52	0.11	22.2	1.7	29.0	37.8	76.6
47	3029	0.79	0.16	22.2	2.9	52.3	65.2	80.3
56	3551	1.11	0.23	22.1	4.6	84.7	102.5	82.6
64	4049	1.44	0.29	22.1	6.7	124.3	148.5	83.7
73	4530	1.82	0.37	22.0	9.4	175.1	207.9	84.2
82	4993	2.23	0.45	22.0	12.6	234.1	277.9	84.2
91	5431	2.67	0.54	21.9	16.6	305.2	363.3	84.0
100	5867	3.14	0.63	21.8	21.2	386.6	463.0	83.5

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



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