

Professional Propulsion Systems

ID:0007

System Specifications



1.46 Kg

Maximal Thrust:



15"

Propeller Diameter



11.1 V

Voltage



196 g

Mass

Motor

Name:	M-3011-760kv
Manufacturer:	Scorpion
KV [RPM/V]:	725
Mass (Inc. Cables) [g]:	104
Max Continuous Current [A]:	22
Max Peak Current (2s) [A]:	30
Voltage [V]:	26
Contact:	support@spihk.com

ESC

Name:	Tribunus 06-80A ESC SBEC
Manufacturer:	Scorpion
KV [RPM/V]:	74
Mass (Inc. Cables) [g]:	80
Max Continuous Current [A]:	120
Max Peak Current (2s) [A]:	26.1
Voltage [V]:	support@spihk.com

Propeller

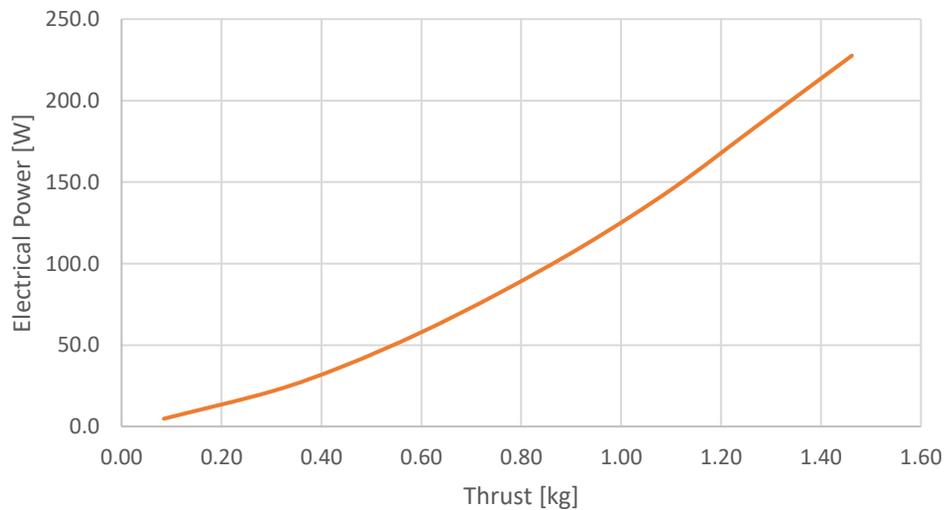
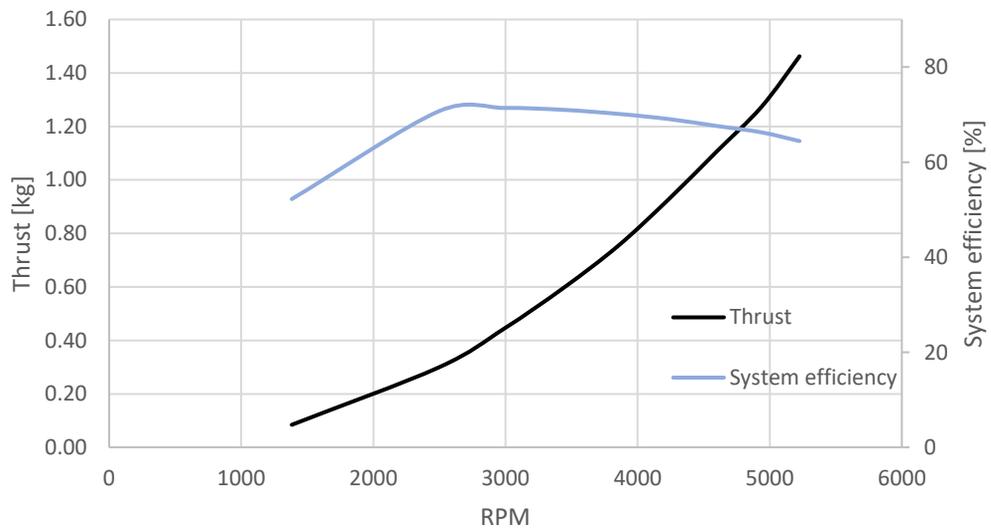
Name:	15x5
Manufacturer:	Mejzlik
Diameter ["]:	15
Pitch ["]:	5
Mass [g]:	18
Contact:	info@mejzlik.eu

Measurements

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Throttle [%]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] ^[1]
20	1383	0.08	0.02	11.1	0.4	2.5	4.9	52.2
38	2497	0.30	0.06	11.1	1.9	15.2	21.6	70.7
47	2988	0.44	0.08	11.1	3.3	26.4	37.0	71.4
56	3441	0.60	0.11	11.0	5.2	40.8	57.4	71.0
64	3857	0.75	0.14	11.0	7.4	57.4	81.8	70.1
73	4242	0.93	0.17	10.9	10.2	77.3	112.0	69.0
82	4599	1.11	0.21	10.9	13.5	99.1	146.7	67.6
91	4937	1.27	0.24	10.8	17.1	122.3	184.6	66.3
100	5226	1.46	0.27	10.7	21.2	146.7	227.7	64.4

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



^[1] Includes motor efficiency, controller efficiency, wire and connectors losses.