System Specifications

3.17 Kg

Maximal Thrust:

18"

Propeller Diameter

22.2 V

Voltage

252 g

Mass

Motor

Name:	MII-4010-400KV
Manufacturer:	Scorpion
KV [RPM/V]:	384
Mass (Inc. Cables) [g]:	154
Max Continuous Current [A]:	40
Max Peak Current (2s) [A]:	56
Voltage [V]:	42
Contact:	support@spihk.com

ESC

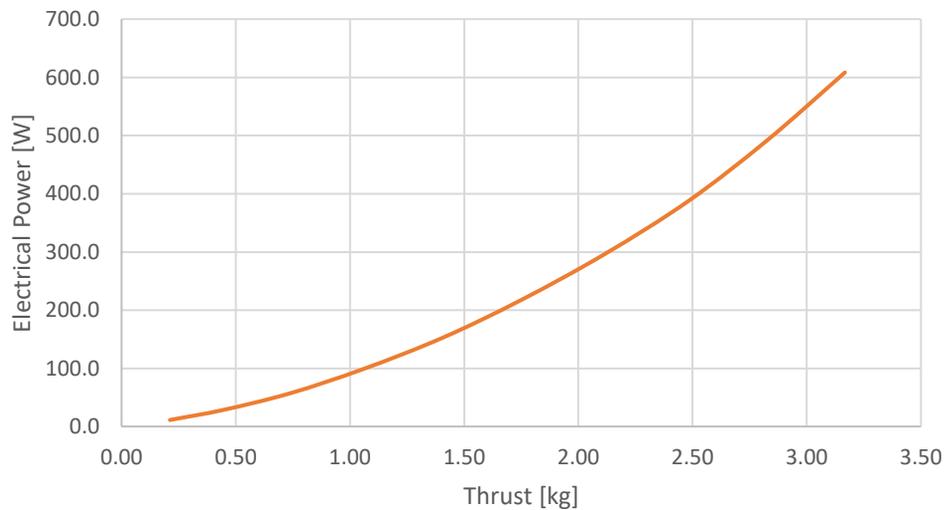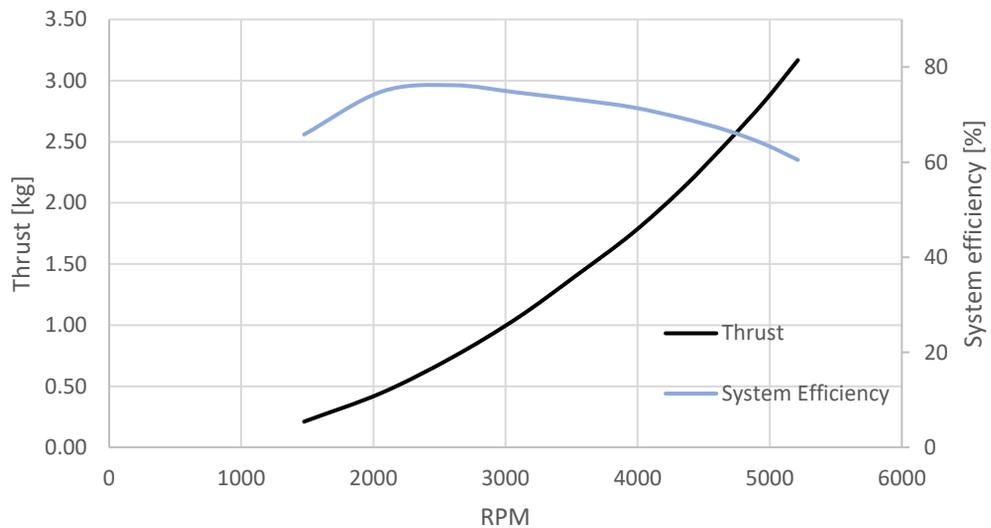| Name:	Tribunus 06-80A ESC SBEC
Manufacturer:	Scorpion
Mass (Inc. Cables) [g]:	74
Max continuous Current [A]:	80
Max peak Current (2s) [A]:	120
Voltage [V]:	26.1
Contact:	support@spihk.com

Propeller

Name:	18x6
Manufacturer:	Mejzlik
Diameter ["]:	18
Pitch ["]:	6
Mass [g]:	24
Contact:	info@mejzlik.eu

Measurements

ID 0035

Throttle [%]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] [1]
20	1477	0.21	0.05	22.3	0.5	7.5	11.4	65.8
29	2063	0.45	0.10	22.3	1.3	21.5	28.7	74.8
38	2598	0.74	0.16	22.2	2.6	43.5	57.1	76.2
47	3089	1.06	0.23	22.2	4.5	73.7	98.8	74.7
56	3539	1.41	0.30	22.1	6.9	111.9	153.0	73.2
64	3958	1.75	0.38	22.1	9.8	155.5	217.2	71.6
73	4337	2.11	0.45	22.0	13.4	205.1	296.1	69.3
82	4670	2.48	0.53	21.9	17.7	259.0	388.0	66.7
91	4959	2.83	0.60	21.9	22.5	313.8	491.9	63.8
100	5214	3.17	0.67	21.7	28.0	367.8	608.2	60.5

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

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