

System Specifications



3.07 Kg

Maximal Thrust:



18"

Propeller Diameter



22.2 V

Voltage



316 g

Mass

Motor

Name:	MIII-4015-310kv
Manufacturer:	Scorpion
KV [RPM/V]:	298
Mass (Inc. Cables) [g]:	218
Max Continuous Current [A]:	26
Max Peak Current (2s) [A]:	35
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

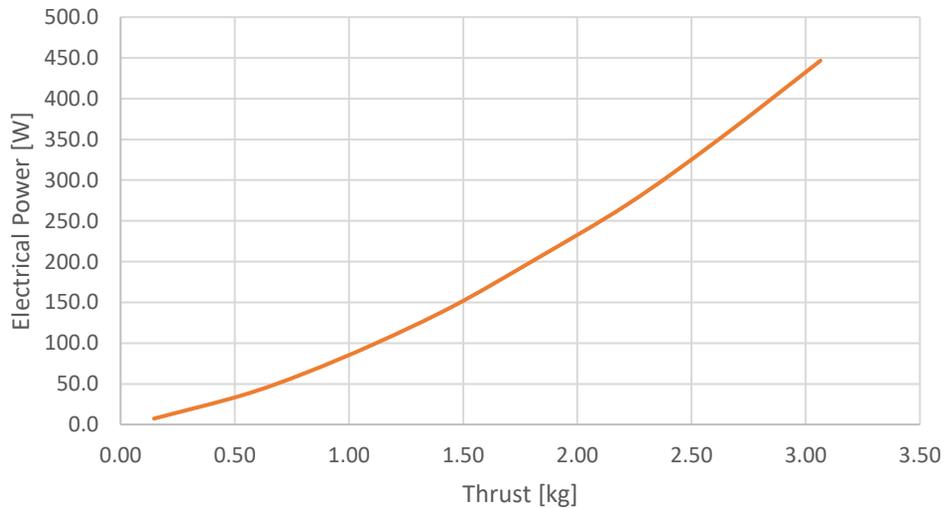
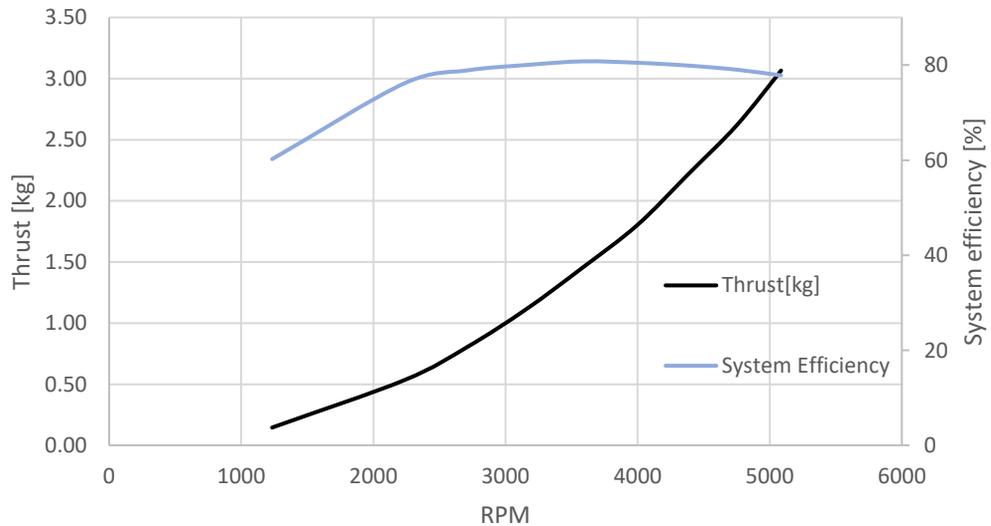
Name:	18x6
Manufacturer:	Mejzlik
Diameter ["]:	18
Pitch ["]:	6
Mass [g]:	24
Contact:	info@mejzlik.eu

Measurements

ID 0050

Throttle [%]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] ^[1]
20	1234	0.15	0.03	22.3	0.3	4.4	7.3	60.2
38	2236	0.53	0.12	22.3	1.6	27.5	36.1	76.1
47	2715	0.81	0.18	22.2	2.8	49.8	63.2	78.9
56	3160	1.12	0.24	22.2	4.5	79.6	99.5	80.0
64	3588	1.46	0.31	22.2	6.6	117.3	145.3	80.7
73	4001	1.80	0.39	22.1	9.1	161.4	200.6	80.4
82	4388	2.22	0.47	22.1	12.3	216.0	270.6	79.8
91	4752	2.62	0.56	22.0	15.9	276.2	349.7	79.0
100	5087	3.07	0.65	21.9	20.4	347.4	446.5	77.8

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



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