PROPELLER
22x7.4 2B MC gen.02 Folding

PN: 122000745, 122000746

*Illustrative image only
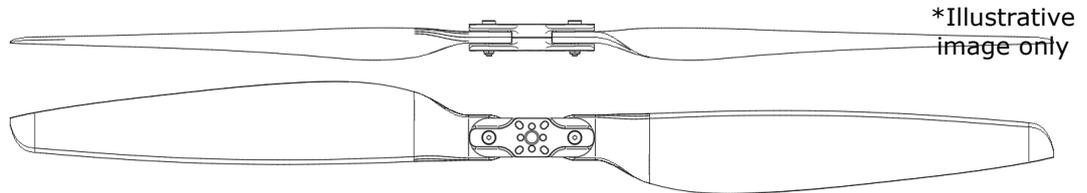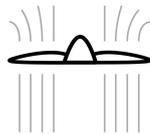
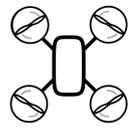|			
70 g Mass	18.9 kgf Max Thrust	22.0" Diameter	Multicopter

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Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Features:	Folding Blades
Mass [g]:	70 $\pm$ 5.0%
Moment of inertia [kgm^2][1]:	5.12e-04
Center hole diameter [mm]:	6
Drilling pattern [mm]:	4xM3 on 12 and 18-20
Limit hover RPM[2]:	8200
Limit forward speed [m/s]:	25
Working temperature [°C]:	from -20°C to 110°C
Production method:	Prepreg
Tests performed[3]:	Overspin Test, Centrifugal Load Test, Tip Deflection Test

[1] Moment of inertia is measured.
[2] RPM is limited by tip speed; forward speed reduces the limit.
[3] Tests performed on a sample propeller.

For more information or custom propeller options, contact info@mejzlik.eu.
Operation manual: Propeller Maintenance and Repair Manual

Static Performance Data

Simulated data
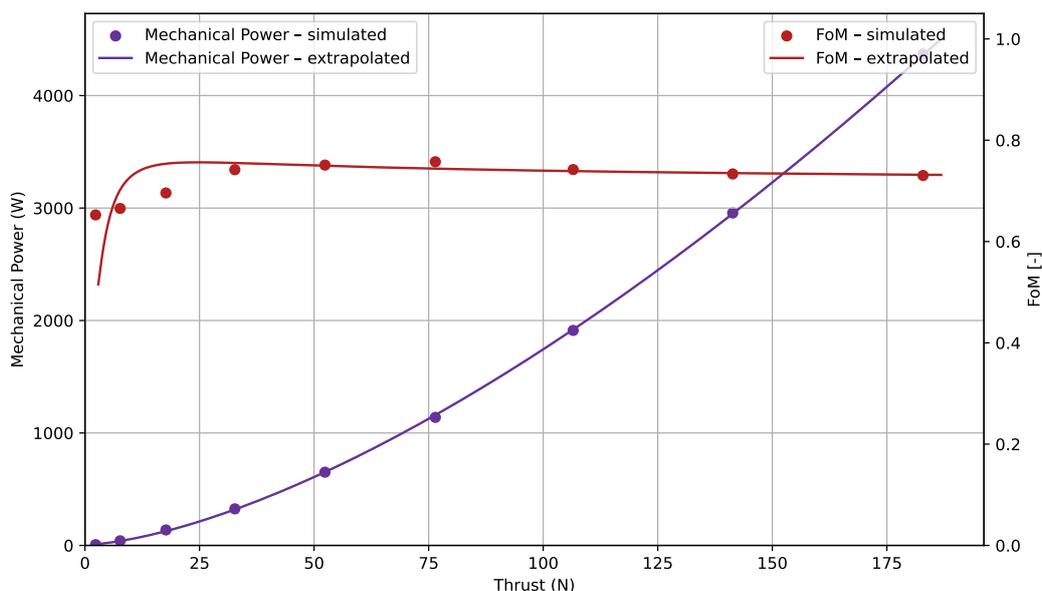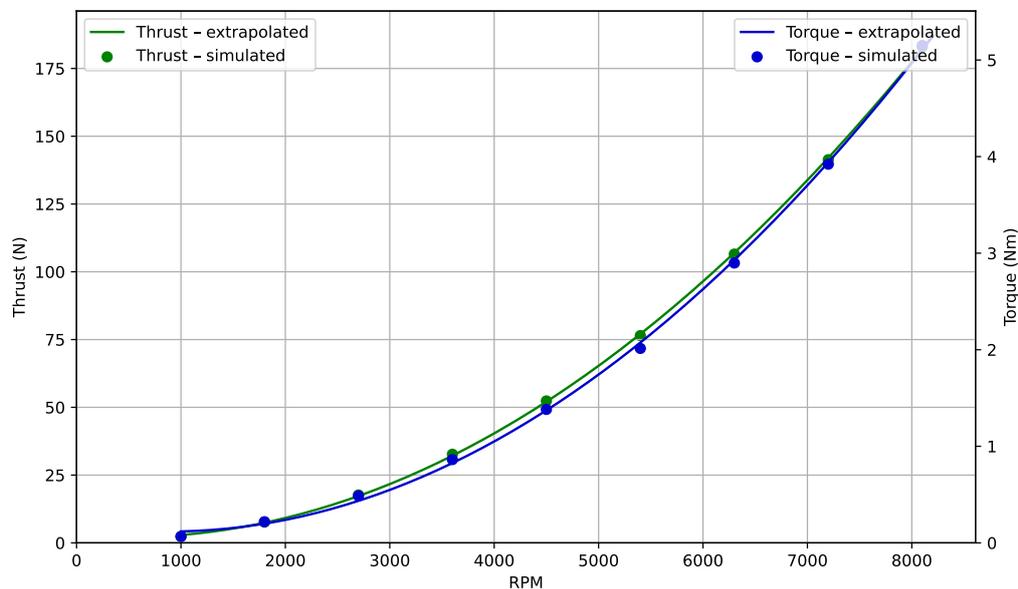
Thrust (RPM): $3.108e-06 \cdot RPM^2 + -3.050e-03 \cdot RPM + 2.846e+00$

Torque (RPM): $9.560e-08 \cdot RPM^2 + -1.675e-04 \cdot RPM + 1.905e-01$

Mechanical power (RPM): $\dfrac{2\pi \cdot Torque[Nm] \cdot RPM}{60}$

Formulas used to calculate FOM : $C_T = \dfrac{T}{\rho\,RPS^2\,D^4}$ $C_P = \dfrac{P_{mech}}{\rho\,RPS^3\,D^5}$ $FOM = \sqrt{\dfrac{2}{\pi}}\,\dfrac{C_T^{3/2}}{C_P}$