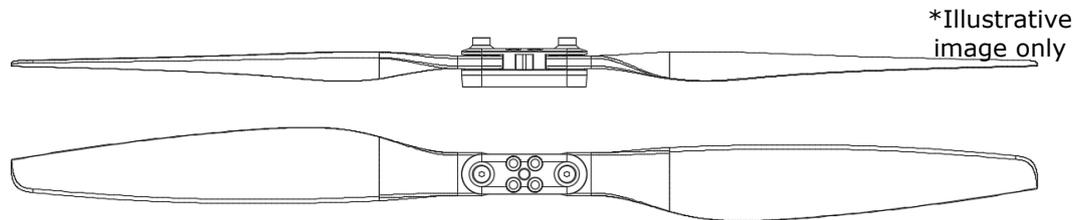


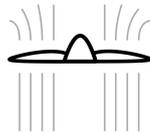
PROPELLER

18x6 2B MC Folding

PN: 21800600, 21800601, 21800602, 21800603



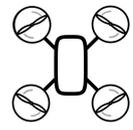
47 g
Mass



12.5 kgf
Max Thrust



18.0"
Diameter



Multicopter

Engine/Motor type: Electric

Rotation direction: Counter-clockwise and Clockwise available (Direction Guide)

Features: Folding Blades

Mass [g]: $47 \pm 10.0\%$

Moment of inertia [kgm^2]¹: $8.19\text{e-}04$

Center hole diameter [mm]: 4

Drilling pattern [mm]: -

Limit hover RPM²: 10000

Limit forward speed [m/s]: Not calculated

Working temperature [°C]: from -20°C to 60°C

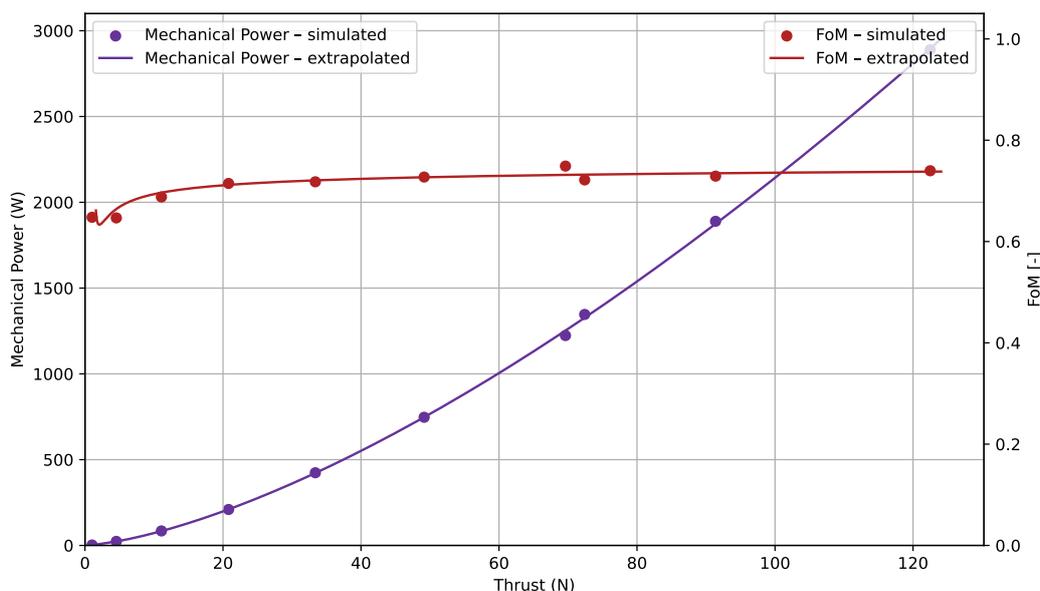
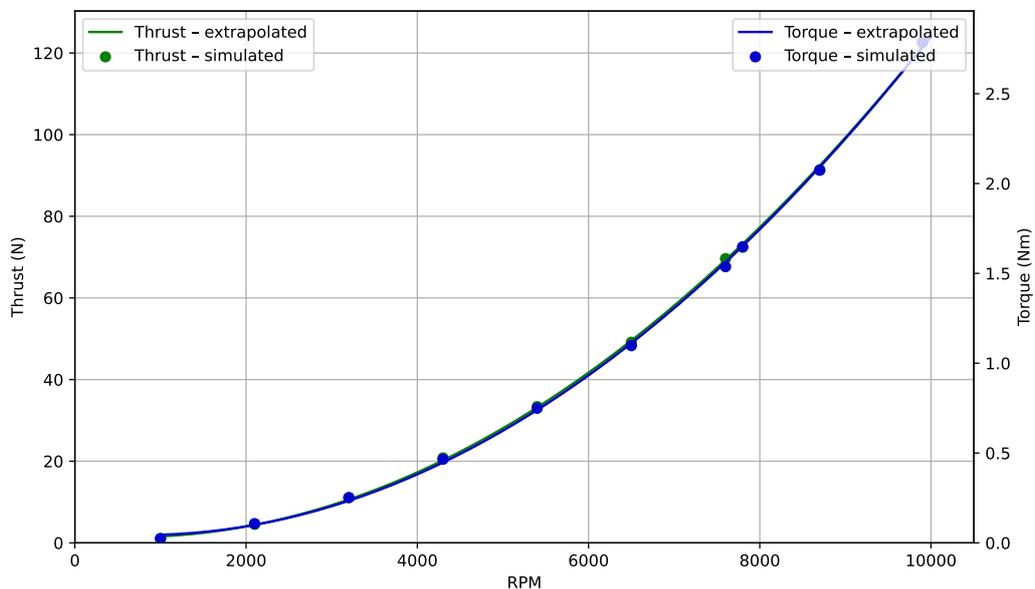
Production method: Wet layup

¹ Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n^{\circ} of blades$
² RPM is limited by tip speed; forward speed reduces the limit.

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

Static Performance Data

Simulated data



$$\text{Thrust (RPM): } 1.397e - 06 \cdot \text{RPM}^2 + -1.760e - 03 \cdot \text{RPM} + 1.943e + 00$$

$$\text{Torque (RPM): } 3.269e - 08 \cdot \text{RPM}^2 + -5.140e - 05 \cdot \text{RPM} + 6.396e - 02$$

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

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