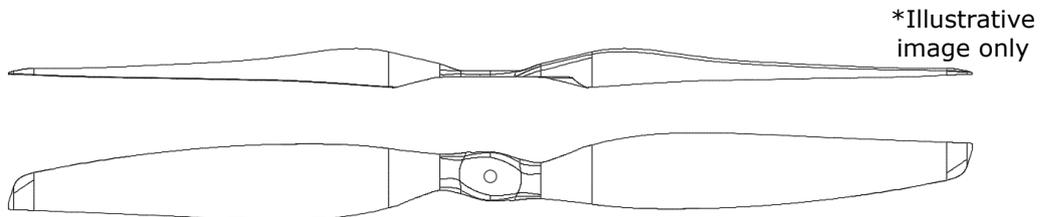


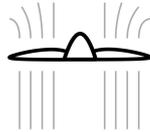
PROPELLER

60x21 2B MC D-Box

PN: 26000212, 26000213



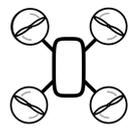
1042 g
Mass



142.6 kgf
Max Thrust



60.0"
Diameter



Multicopter

Engine/Motor type: Electric

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

Mass [g]: $1042 \pm 10.0\%$

Moment of inertia [kgm^2]¹: 2.02e-01

Core diameter [mm]: 80 (Drilling guide)

Limit hover RPM²: 3000

Limit forward speed [m/s]: Not calculated

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

Production method: Wet layup

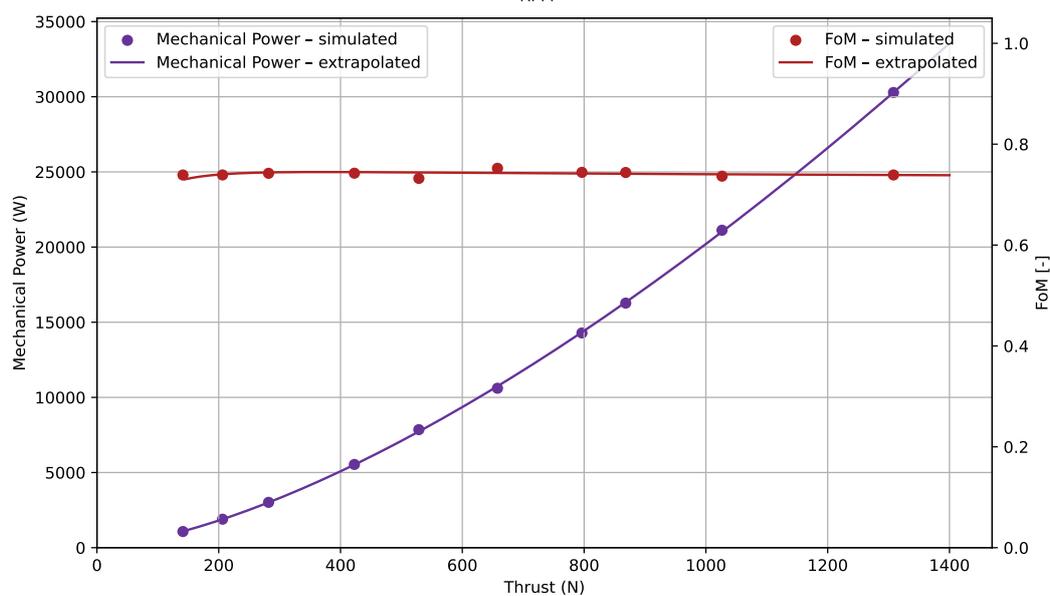
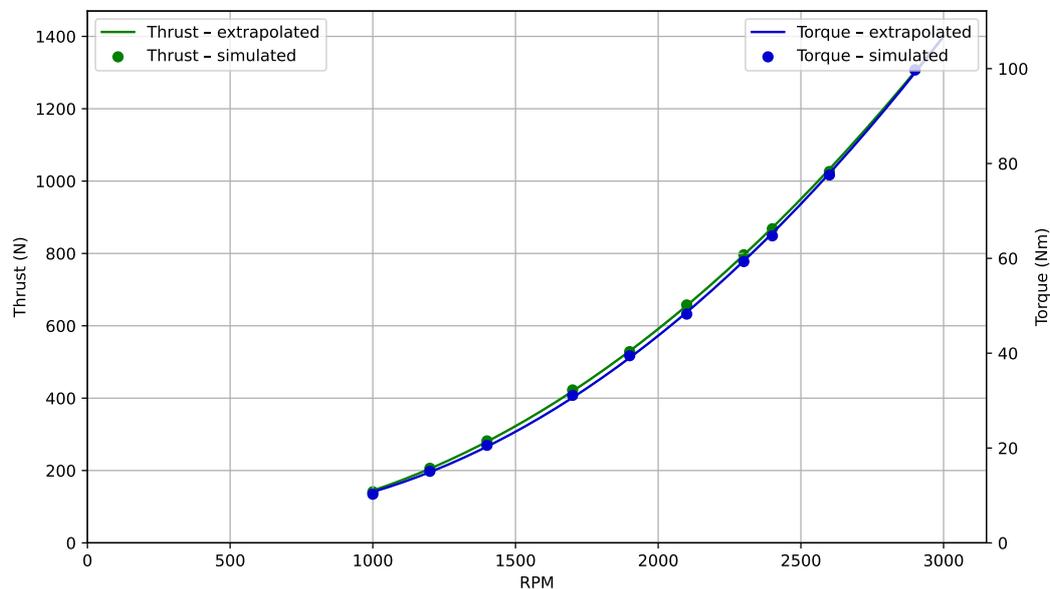
¹ Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n^{\circ}ofblades$

² RPM is limited by tip speed; forward speed reduces the limit.

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

Static Performance Data

Simulated data



$$\text{Thrust (RPM): } 1.810e-04 \cdot \text{RPM}^2 + -9.637e-02 \cdot \text{RPM} + 5.988e+01$$

$$\text{Torque (RPM): } 1.510e-05 \cdot \text{RPM}^2 + -1.237e-02 \cdot \text{RPM} + 8.014e+00$$

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

Formulas used to calculate FOM :

$$C_T = \frac{T}{\rho RPS^2 D^4} \quad C_P = \frac{P_{mech}}{\rho RPS^3 D^5} \quad FOM = \sqrt{\frac{2}{\pi} \frac{C_T^{3/2}}{C_P}}$$