PROPELLER
32x10.6 2B MC Folding

PN: 23201060, 23201061, 23201062, 23201063

*Illustrative image only
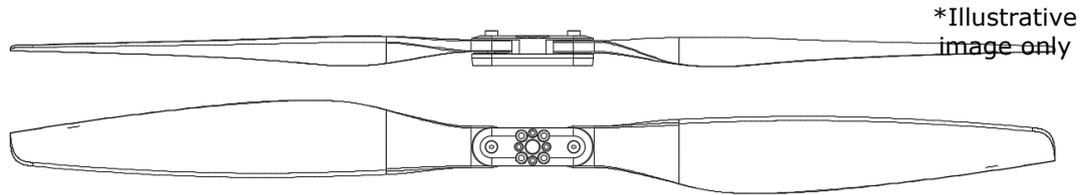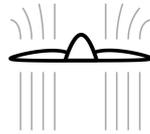
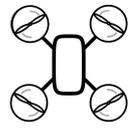|			
177 g Mass	38.9 kgf Max Thrust	32.0" Diameter	Multicopter

Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Features:	Folding Blades
Mass [g]:	177 ± 10.0%
Moment of inertia [kgm^2][1]:	9.74e-03
Center hole diameter [mm]:	10
Drilling pattern [mm]:	-
Limit hover RPM[2]:	5600
Limit forward speed [m/s]:	Not calculated
Working temperature [°C]:	from -20°C to 60°C
Production method:	Wet layup

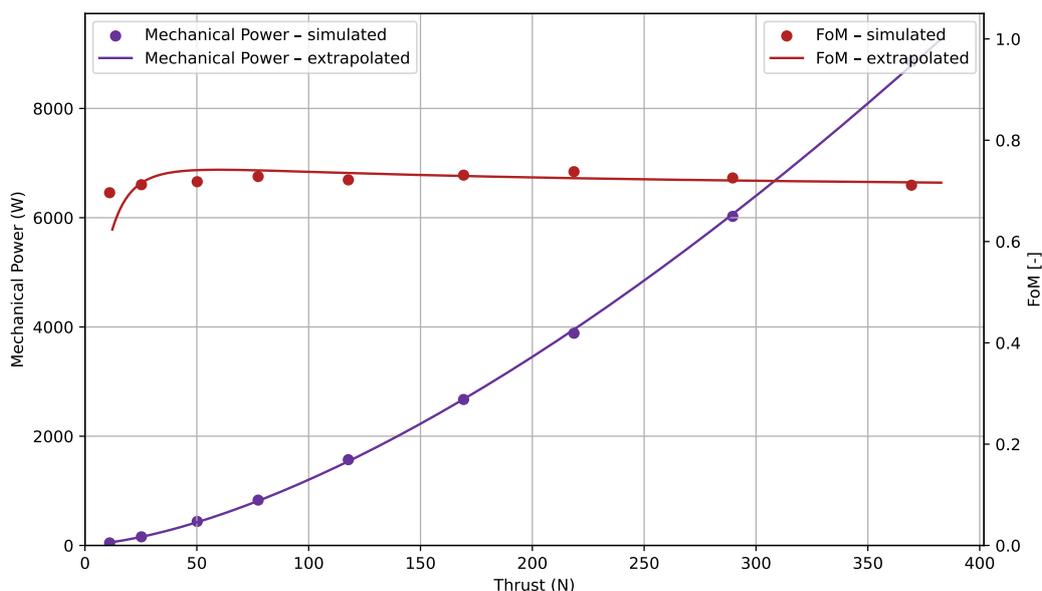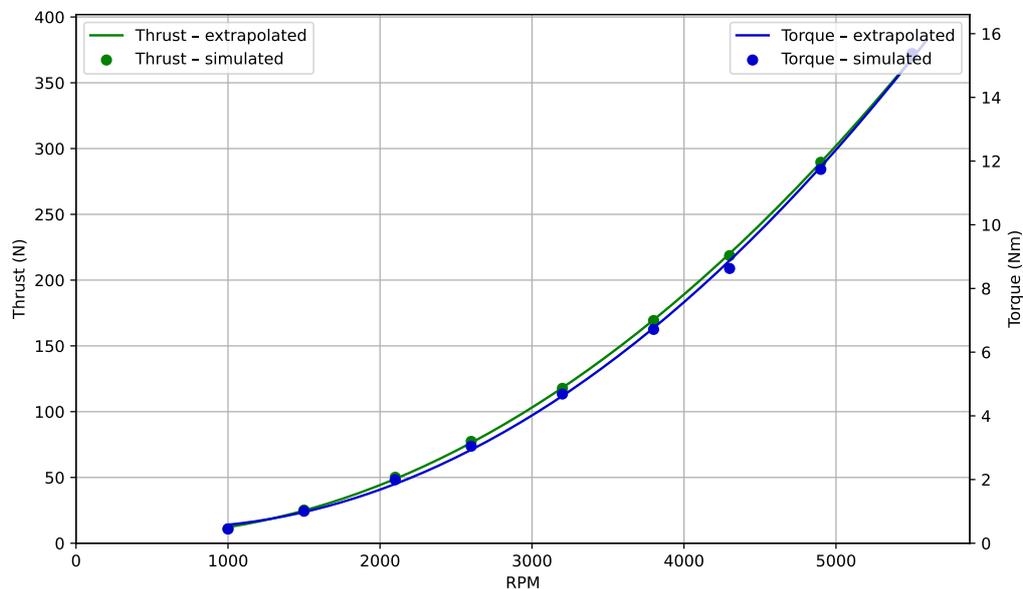[1] Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n^o of blades$
[2] RPM is limited by tip speed; forward speed reduces the limit.

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

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Static Performance Data

Simulated data

Thrust (RPM): $1.349e-05 \cdot RPM^2 + -8.500e-03 \cdot RPM + 7.236e+00$

Torque (RPM): $6.135e-07 \cdot RPM^2 + -7.379e-04 \cdot RPM + 7.048e-01$

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

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