PROPELLER
16x5.5 2B MC Folding

PN: 21600550, 21600551, 21600552, 21600553
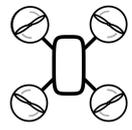

*Illustrative image only
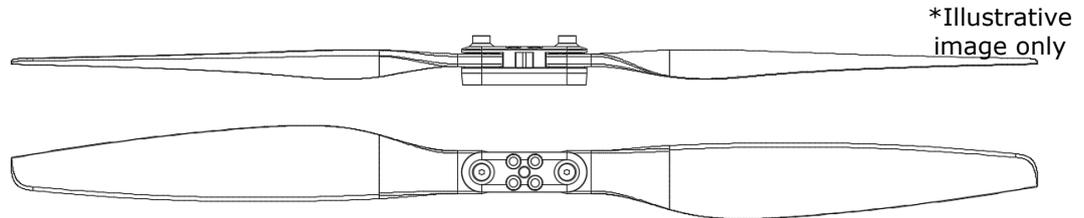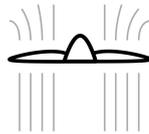
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37 g Mass	9.6 kgf Max Thrust	16.0" Diameter	Multicopter

Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Features:	Folding Blades
Mass [g]:	37 ± 10.0%
Moment of inertia [kgm^2][1]:	5.09e-04
Center hole diameter [mm]:	4
Drilling pattern [mm]:	-
Limit hover RPM[2]:	11200
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
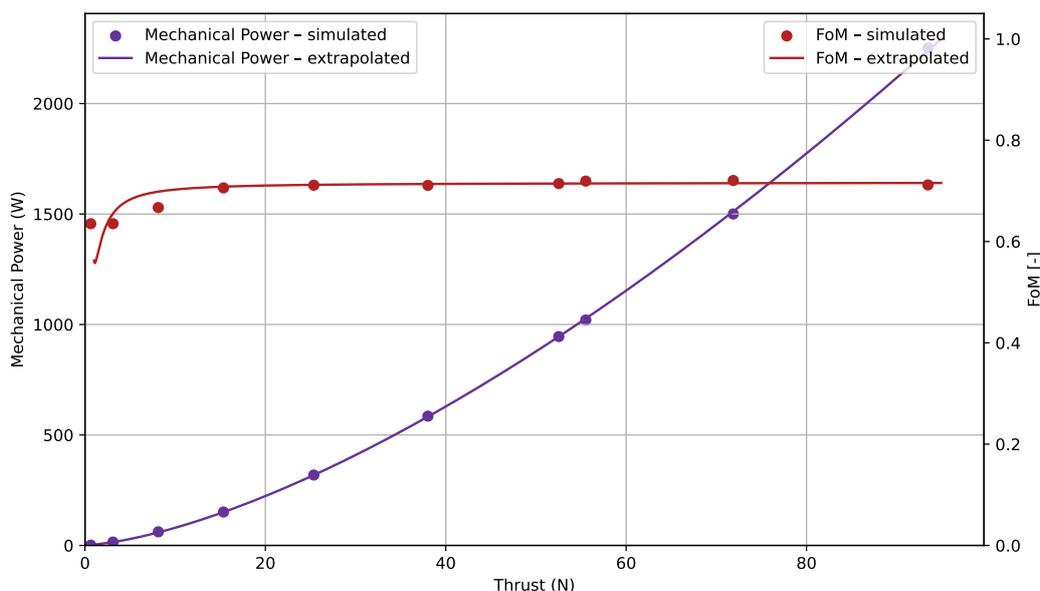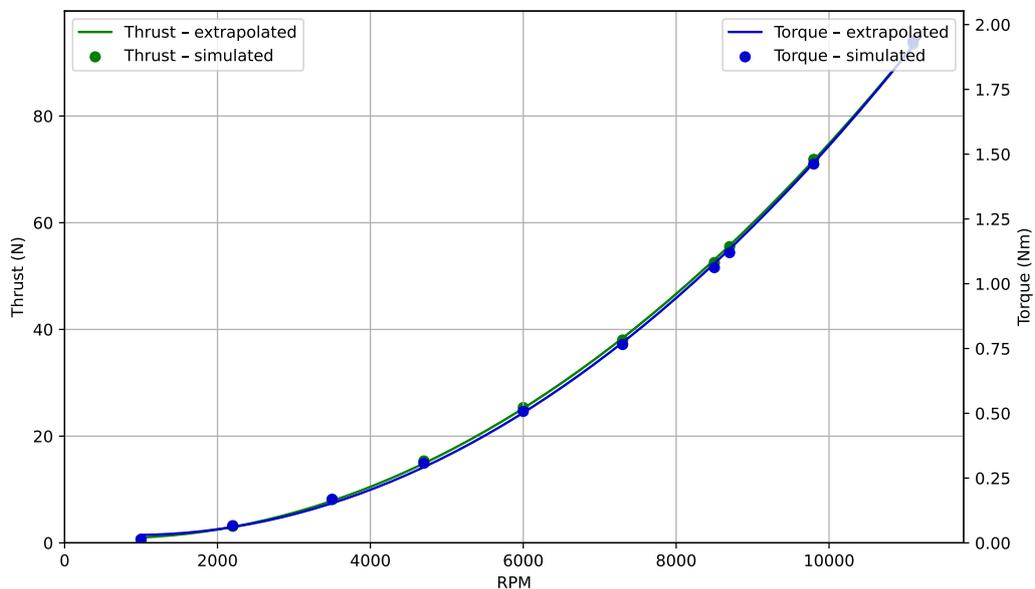
Thrust (RPM): $\quad 8.395e - 07 \cdot RPM^2 + -1.030e - 03 \cdot RPM + 1.205e + 00$

Torque (RPM): $\quad 1.813e - 08 \cdot RPM^2 + -3.260e - 05 \cdot RPM + 4.502e - 02$

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

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