PROPELLER
16x5.5 2B MC

PN: 2160558, 2160557
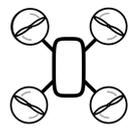
*Illustrative image only
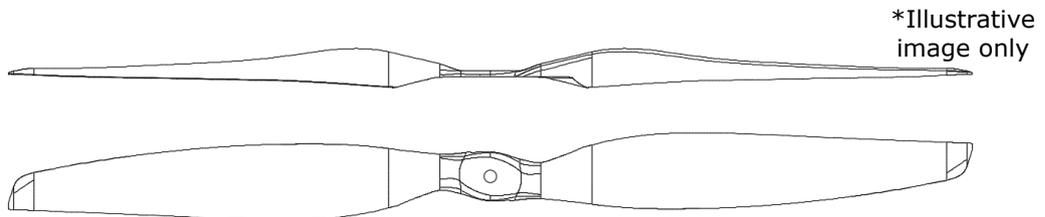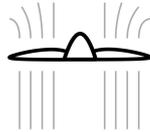
18.5 g Mass	10.1 kgf Max Thrust	16.0" Diameter	Multicopter

Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Mass [g]:	$18.5 \pm 10.0\%$
Moment of inertia [kgm^2][1]:	2.55e-04
Core diameter [mm]:	12.8 (Drilling guide)
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

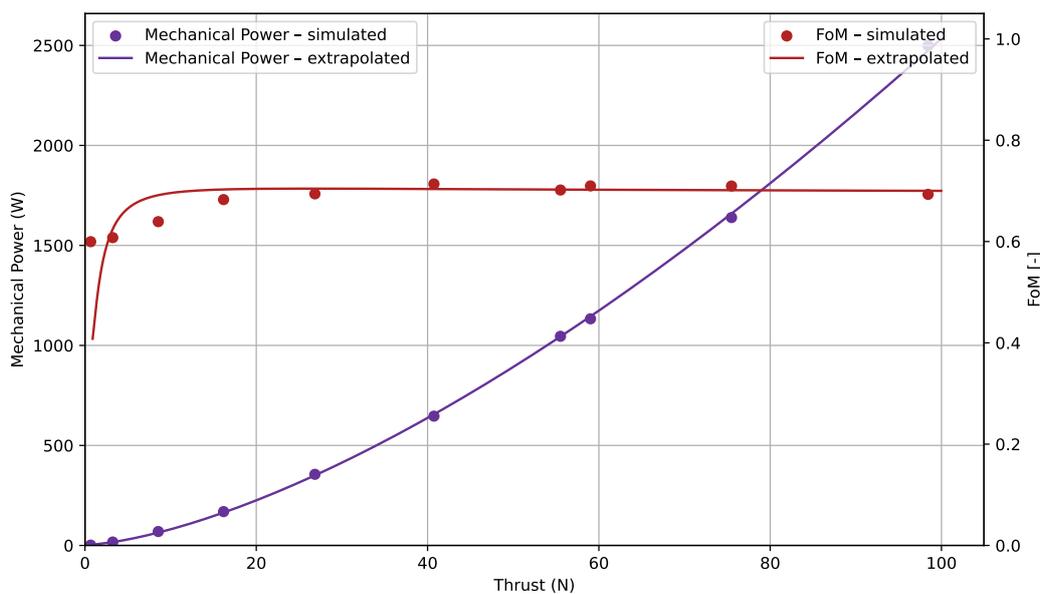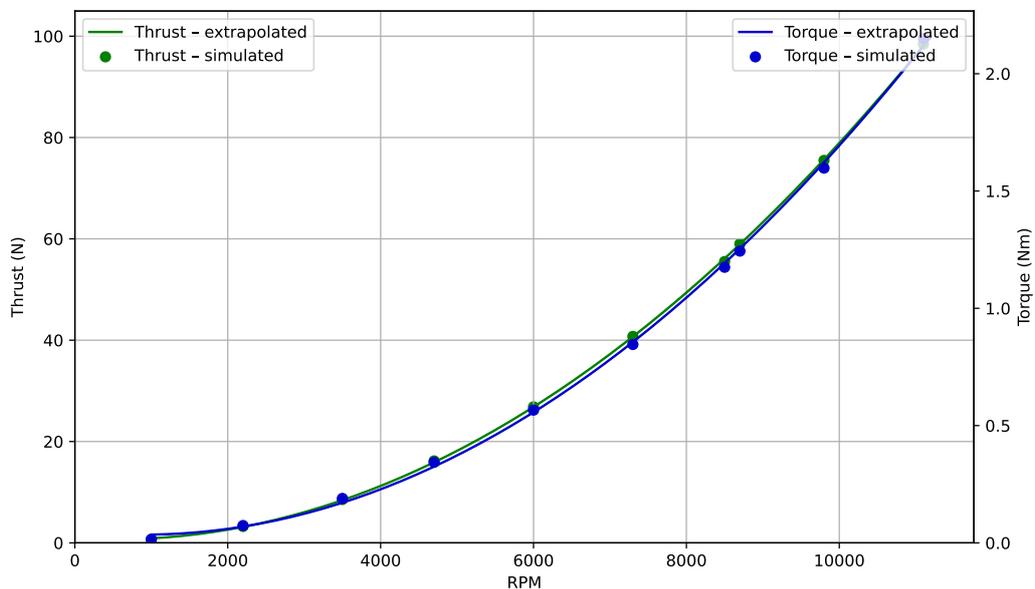[1] Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n^o of blades$
[2] RPM is limited by tip speed; forward speed reduces the limit.

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

Static Performance Data

Simulated data

Thrust (RPM):	$8.703e-07 \cdot RPM^2 + -9.059e-04 \cdot RPM + 9.320e-01$
Torque (RPM):	$1.998e-08 \cdot RPM^2 + -3.553e-05 \cdot RPM + 5.078e-02$
Mechanical power (RPM):	$\dfrac{2\pi \cdot Torque[Nm] \cdot RPM}{60}$

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