PROPELLER
16x5.5 3B MC W

PN: 3160556, 3160557

*Illustrative image only
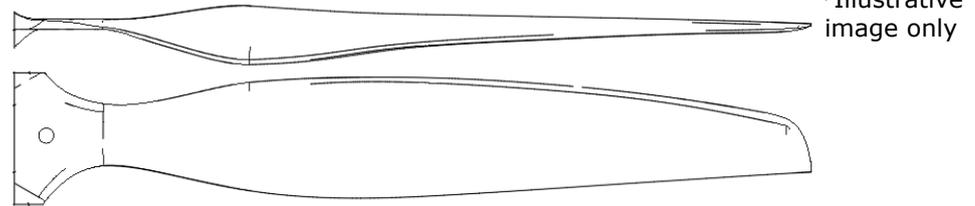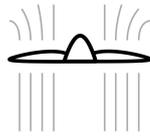
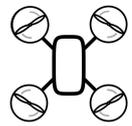|			
32 g Mass	**10.3 kgf** Max Thrust	**16.0"** Diameter	**Multicopter**

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Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Mass [g]:	32 ± 10.0%
Moment of inertia [kgm^2][1]:	6.61e-04
Core diameter [mm]:	- (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
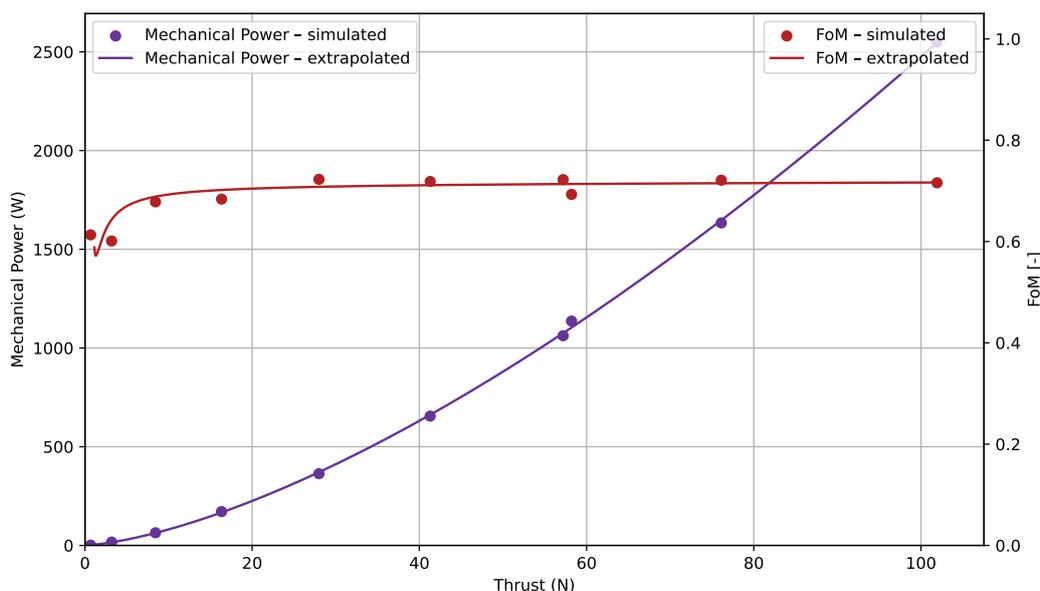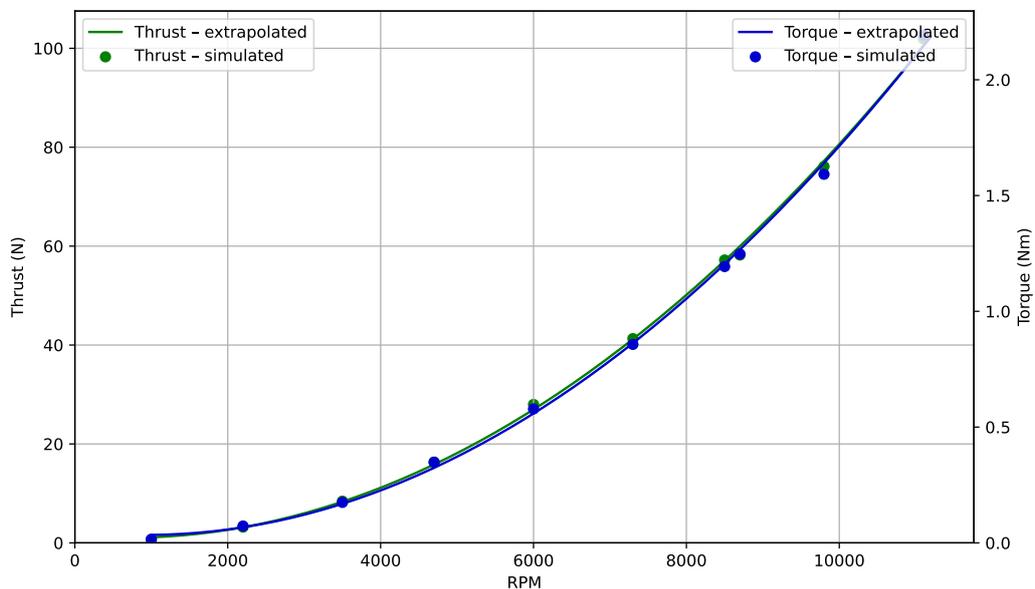
Thrust (RPM): $9.156e-07 \cdot RPM^2 + -1.240e-03 \cdot RPM + 1.452e+00$

Torque (RPM): $2.043e-08 \cdot RPM^2 + -3.813e-05 \cdot RPM + 5.214e-02$

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

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

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