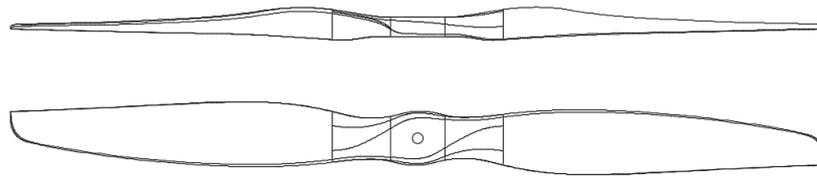


PROPELLER

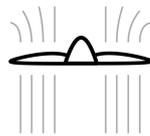
28x9.4 2B MC HD

PN: 2280948, 2280949

*Illustrative
image only



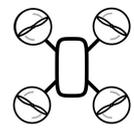
98 g
Mass



30.1 kgf
Max Thrust



28.0"
Diameter



Multicopter

Engine/Motor type: Electric

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

Mass [g]: $98 \pm 6.0\%$

Moment of inertia [kgm^2]¹: $4.13\text{e-}03$

Core diameter [mm]: 30 (Drilling guide)

Limit hover RPM²: 6400

Limit forward speed [m/s]: Not calculated

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

Production method: Wet layup

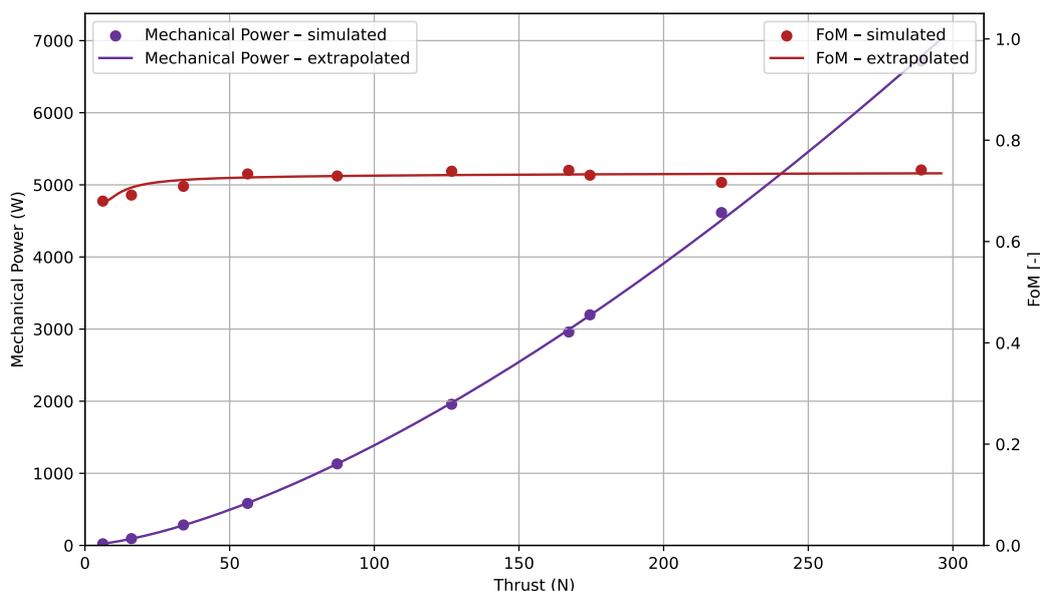
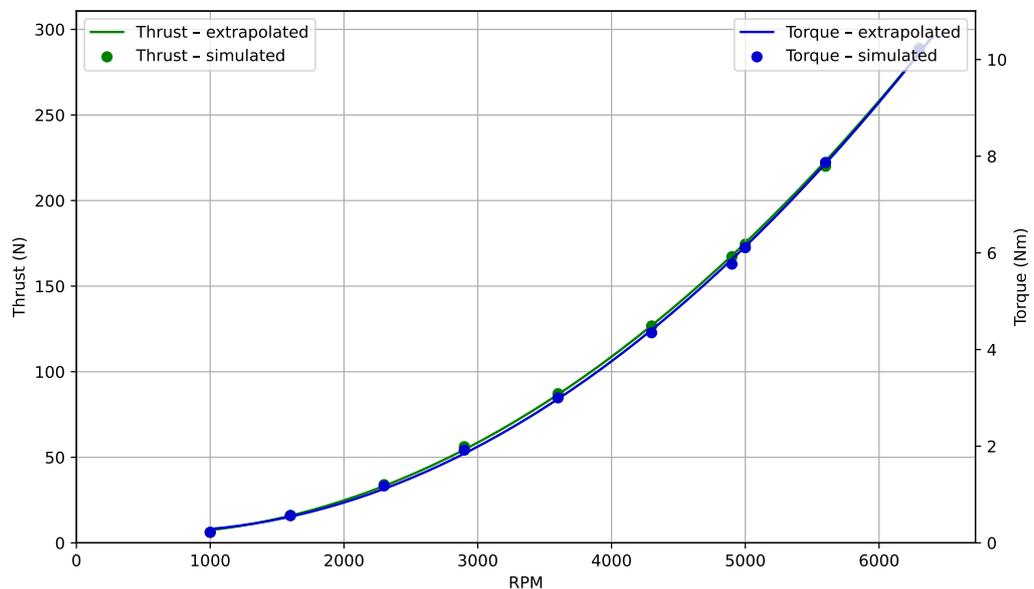
¹ Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot \text{mass} \cdot \text{diameter}^2 \cdot n^{\circ} \text{ of blades}$

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

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

Static Performance Data

Simulated data



$$\text{Thrust (RPM): } 8.186e - 06 \cdot \text{RPM}^2 + -7.150e - 03 \cdot \text{RPM} + 6.376e + 00$$

$$\text{Torque (RPM): } 3.045e - 07 \cdot \text{RPM}^2 + -3.660e - 04 \cdot \text{RPM} + 3.489e - 01$$

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

Formulas used to calculate FOM :

$$C_T = \frac{T}{\rho RPS^2 D^4}$$

$$C_P = \frac{P_{mech}}{\rho RPS^3 D^5}$$

$$FOM = \sqrt{\frac{2}{\pi} \frac{C_T^{3/2}}{C_P}}$$