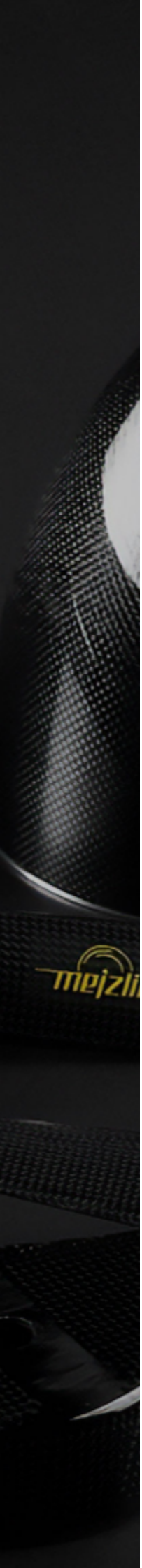
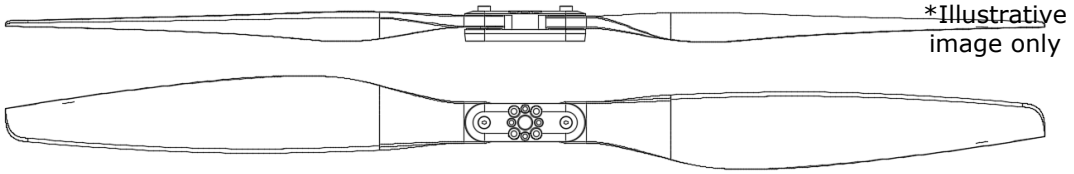


PROPELLER
28x9.4 2B MC Folding

PN: 22800940, 22800941, 22800942, 22800943



*Illustrative image only

147 g	30.0 kgf	28.0”	Multicopter
Mass	Max Thrust	Diameter	

Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Features:	Folding Blades
Mass [g]:	147 ± 10.0%
Moment of inertia [kgm^2][1]:	6.20e-03
Center hole diameter [mm]:	10
Drilling pattern [mm]:	4xM3 on ⌀20 and 4xM4 on ⌀23
Limit hover RPM[2]:	6400
Limit forward speed [m/s]:	Not calculated
Working temperature [°C]:	from -20°C to 60°C
Production method:	Wet layup

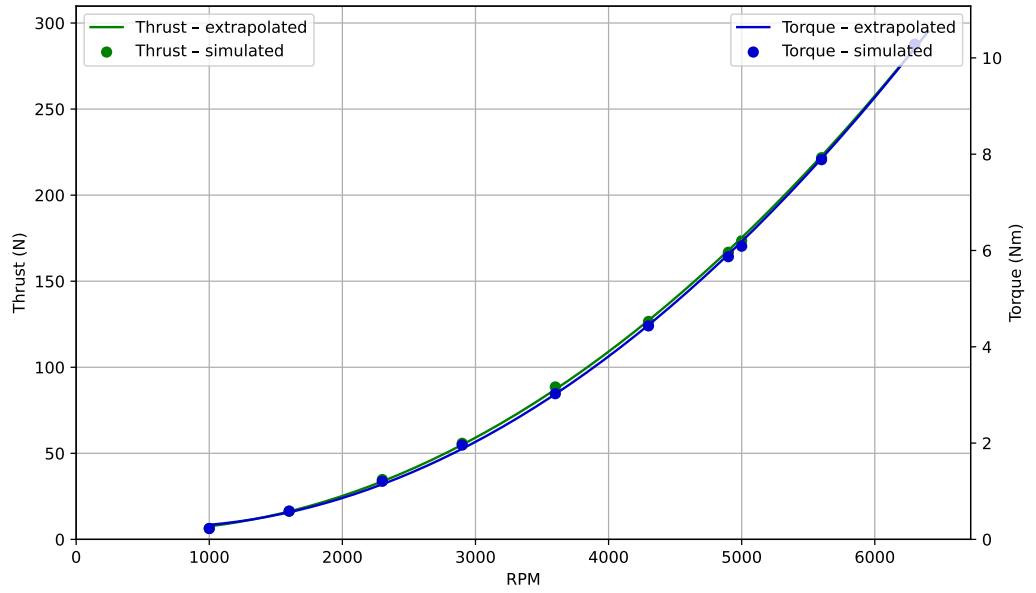
[1] Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n^{o} of blades$

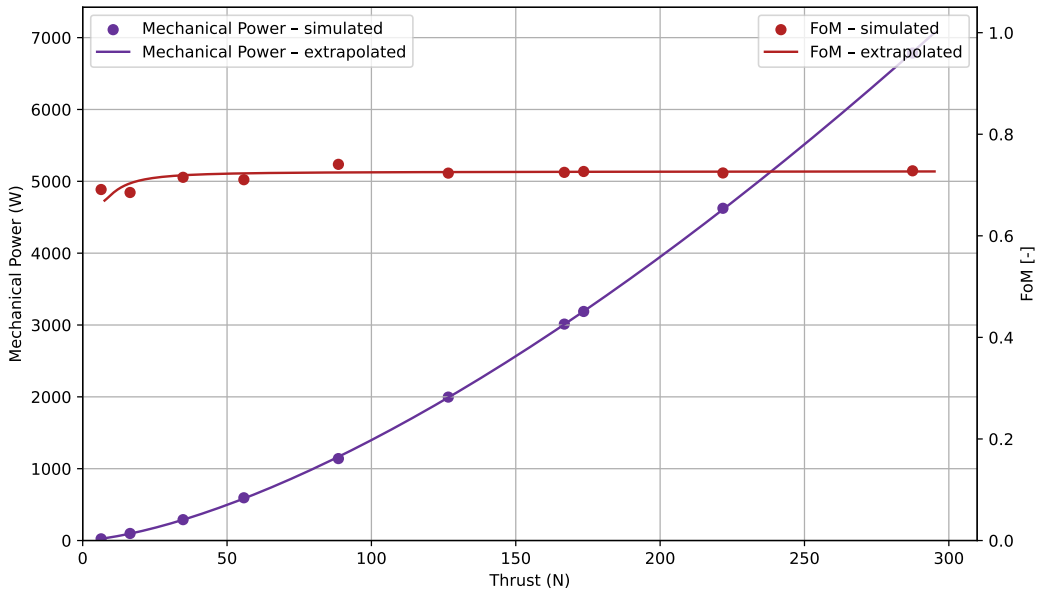
[2] RPM is limited by tip speed; forward speed reduces the limit.

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): $8.087e-06 \cdot RPM^2 + -6.600e-03 \cdot RPM + 6.096e+00$

Torque (RPM): $3.046e-07 \cdot RPM^2 + -3.570e-04 \cdot RPM + 3.541e-01$

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

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