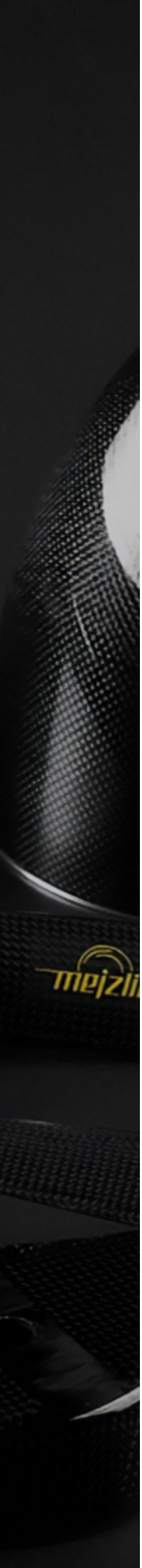
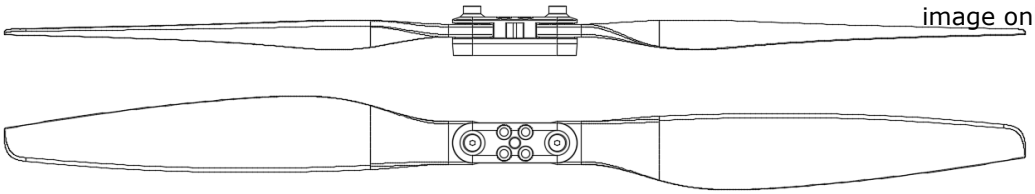


PROPELLER
14x4.5 2B MC Folding

PN: 21400450, 21400451, 21400452, 21400453



*Illustrative image only

34 g	7.3 kgf	14.0”	Multicopter
Mass	Max Thrust	Diameter	

Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Features:	Folding Blades
Mass [g]:	34 ± 10.0%
Moment of inertia [kgm^2][1]:	3.58e-04
Center hole diameter [mm]:	4
Drilling pattern [mm]:	-
Limit hover RPM[2]:	12800
Limit forward speed [m/s]:	Not calculated
Working temperature [°C]:	from -20°C to 60°C
Production method:	Wet layup

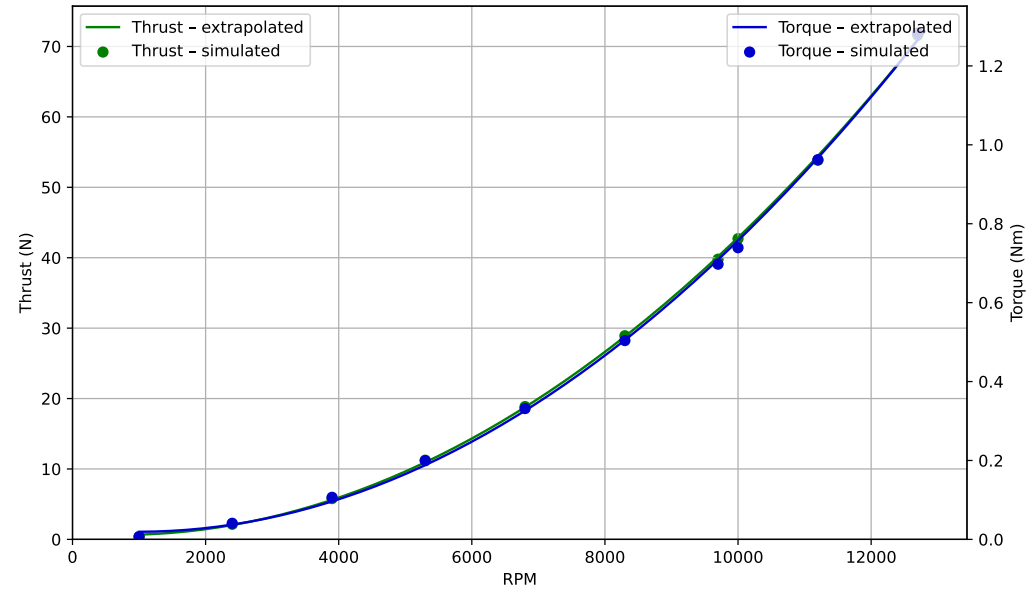
[1] Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n^{o} of blades$

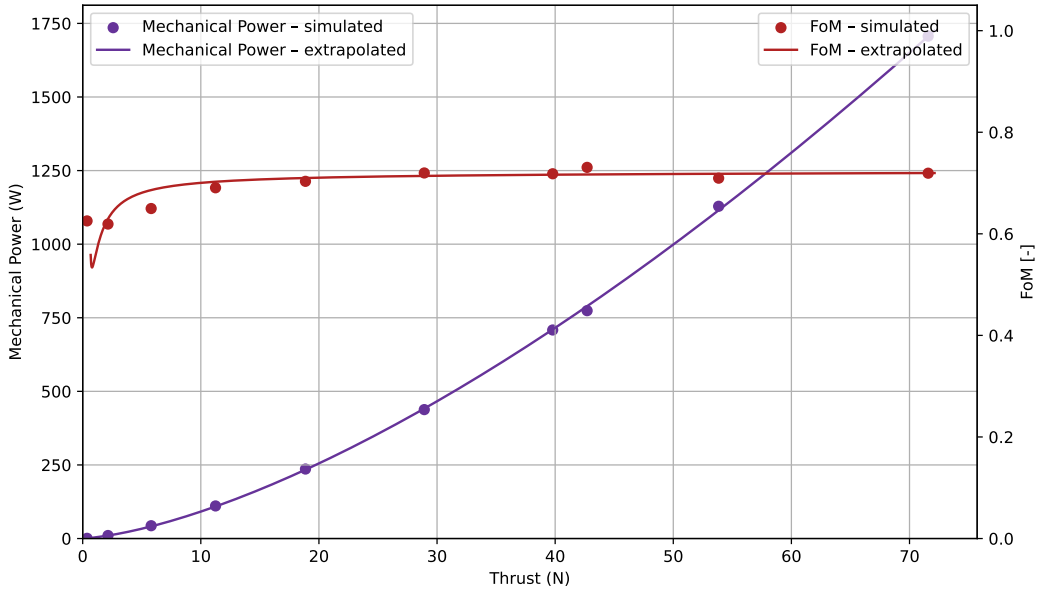
[2] RPM is limited by tip speed; forward speed reduces the limit.

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): $4.890e-07 \cdot RPM^2 + -6.942e-04 \cdot RPM + 8.811e-01$

Torque (RPM): $9.087e-09 \cdot RPM^2 + -1.795e-05 \cdot RPM + 2.814e-02$

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

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