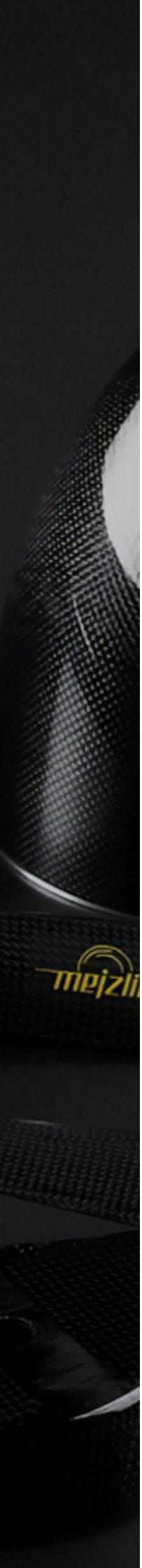
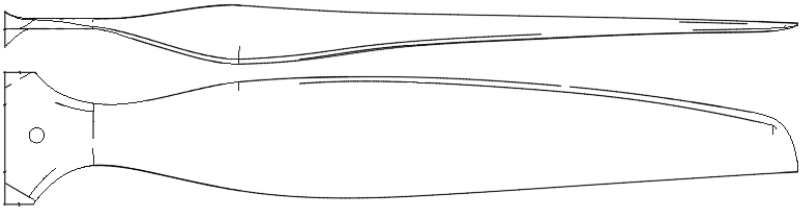


PROPELLER
16x5.5 3B MC

PN: 3160552, 3160553



*Illustrative image only

29 g	11.4 kgf	16.0”	Multicopter
Mass	Max Thrust	Diameter	

Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Mass [g]:	29 ± 10.0%
Moment of inertia [kgm^2][1]:	5.99e-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

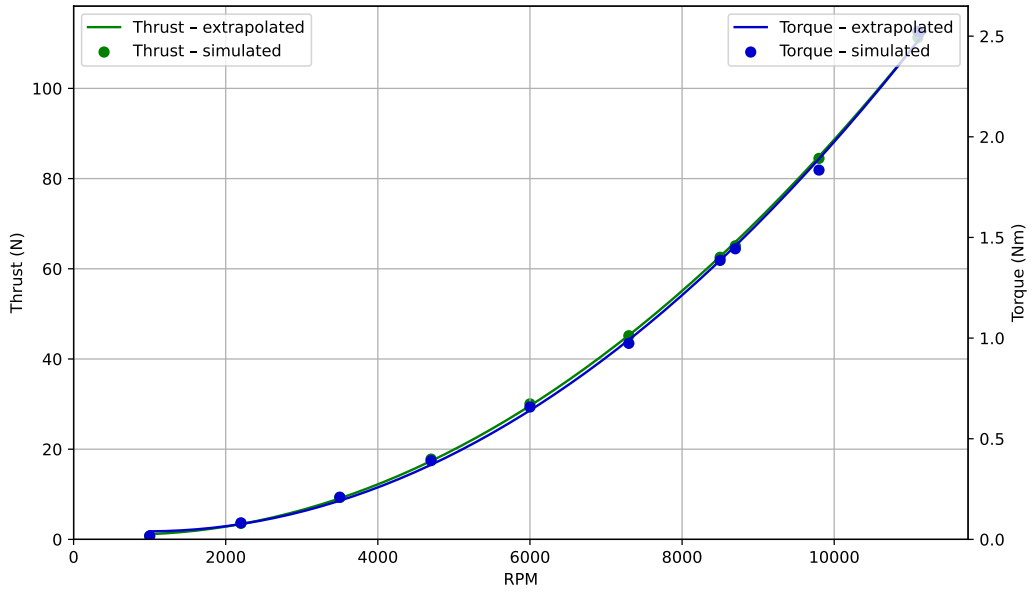
[1] Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n°ofblades$

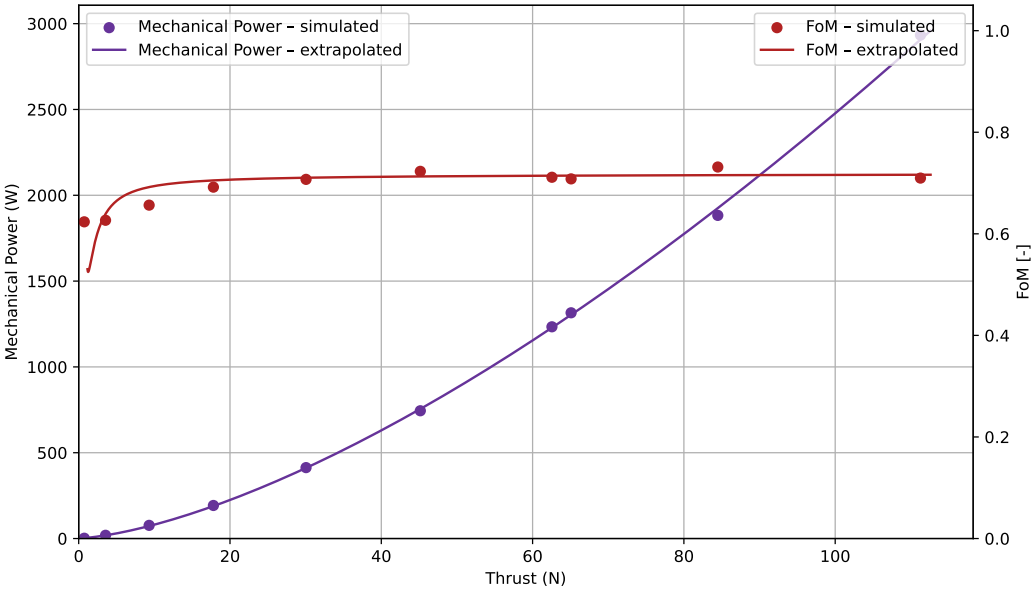
[2] RPM is limited by tip speed; forward speed reduces the limit.

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): $1.006e-06 \cdot RPM^2 + -1.350e-03 \cdot RPM + 1.506e+00$

Torque (RPM): $2.370e-08 \cdot RPM^2 + -4.573e-05 \cdot RPM + 6.198e-02$

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

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