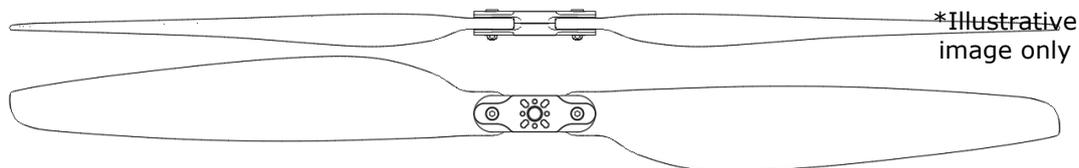


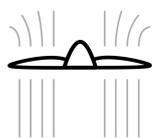
PROPELLER

34x12.6 2B MC gen.02 Folding

PN: 23401261, 23401262



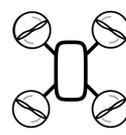
204 g
Mass



27.4 kgf
Max Thrust



34.0"
Diameter



Multicopter

Engine/Motor type: Electric

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

Features: Folding Blades

Mass [g]: $204 \pm 5.0\%$

Moment of inertia [kgm^2]¹: $3.72\text{e-}03$

Center hole diameter [mm]: 10

Drilling pattern [mm]: 4xM3 on 20 and 4xM4 on 21-26

Limit hover RPM²: 4100

Limit forward speed [m/s]: 25

Working temperature [°C]: from -20°C to 110°C

Production method: Prepreg

Tests performed³: Static Performance Test, Overspin Test,
Endurance Test, Centrifugal Load Test, Tip
Deflection Test

¹ Moment of inertia is measured.

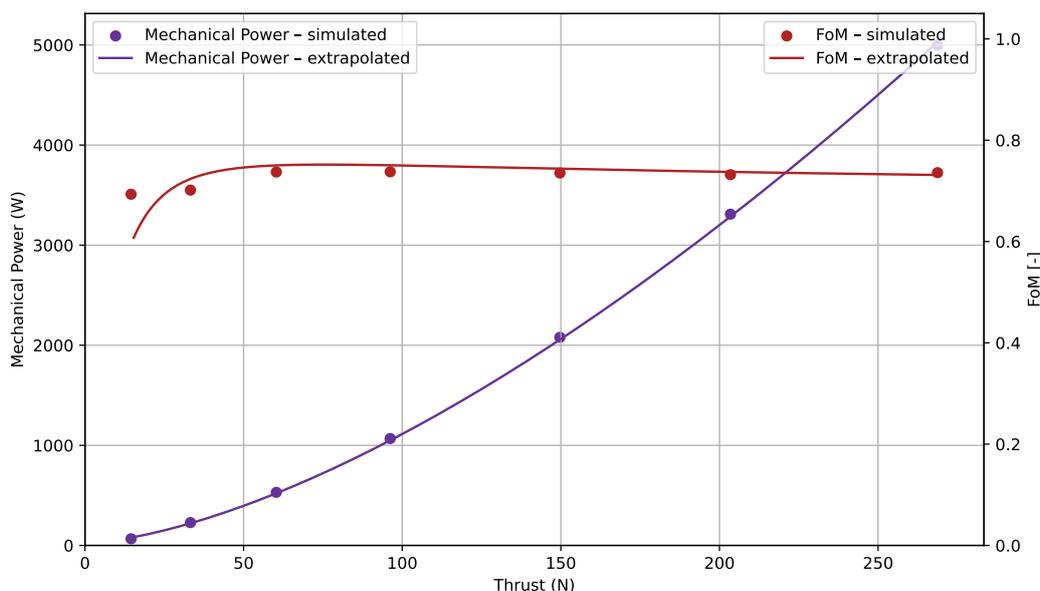
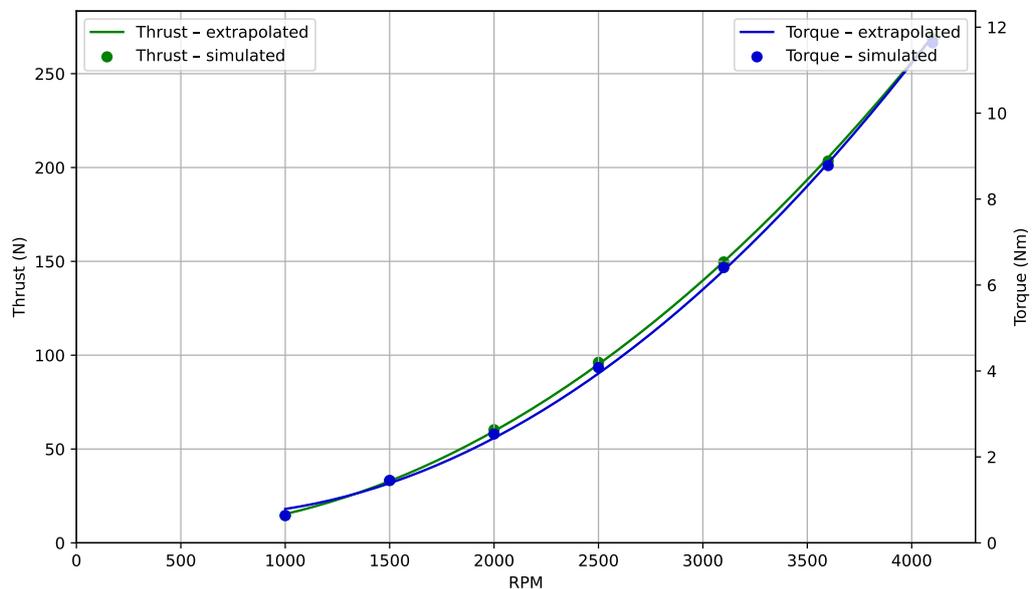
² RPM is limited by tip speed; forward speed reduces the limit.

³ Tests performed on a sample propeller.

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

Static Performance Data

Simulated data



$$\text{Thrust (RPM): } 1.806e - 05 \cdot \text{RPM}^2 + -1.002e - 02 \cdot \text{RPM} + 7.296e + 00$$

$$\text{Torque (RPM): } 9.032e - 07 \cdot \text{RPM}^2 + -1.060e - 03 \cdot \text{RPM} + 9.442e - 01$$

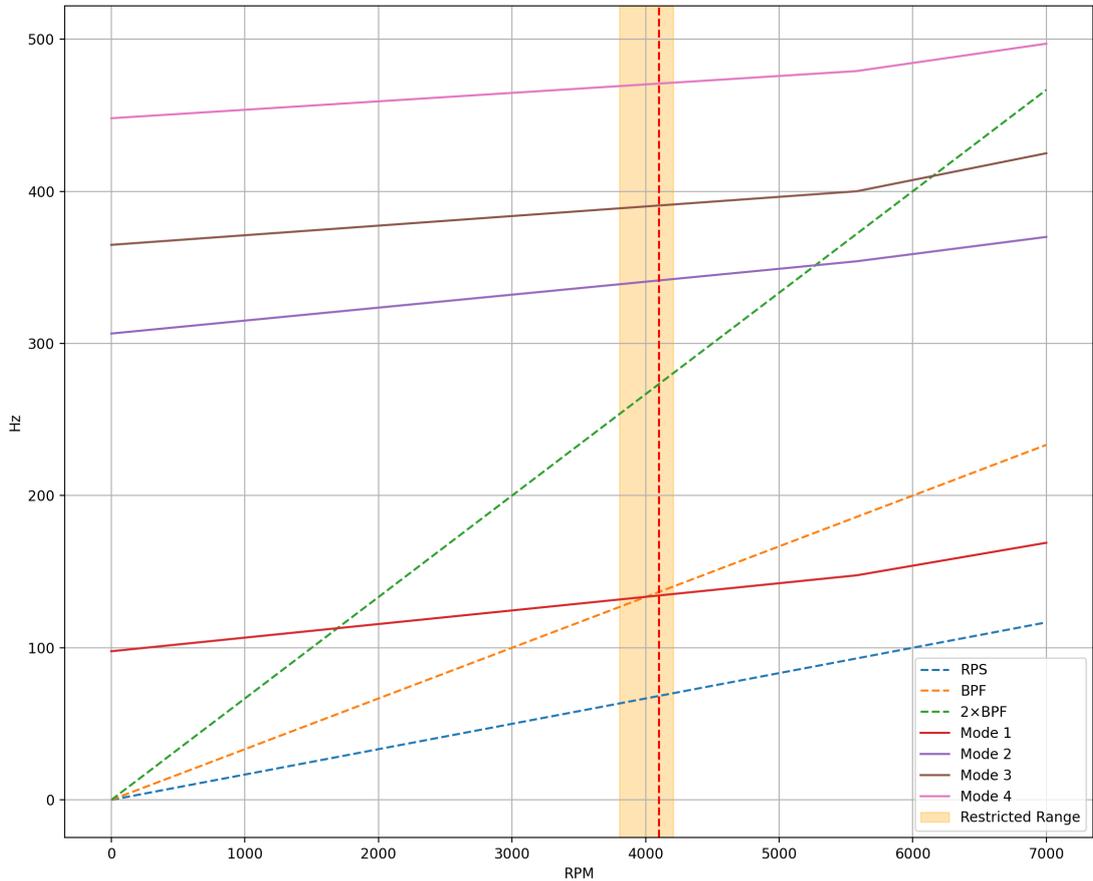
$$\text{Mechanical power (RPM): } \frac{2\pi \cdot \text{Torque}[\text{Nm}] \cdot \text{RPM}}{60}$$

Formulas used to calculate FOM :

$$C_T = \frac{T}{\rho RPS^2 D^4} \quad C_P = \frac{P_{mech}}{\rho RPS^3 D^5} \quad FOM = \sqrt{\frac{2}{\pi} \frac{C_T^{3/2}}{C_P}}$$

Natural frequencies

Simulated data



Intersection	Restricted RPM ranges ¹
RPS - Mode 1	-
BPF - Mode 1	3800-4210 ²

¹ Longterm use at these RPM should be avoided, as these RPM can lead to higher vibrations and possible damage to the propeller. Short-term use or crossing of this range to reach higher operational rpm is allowed.

² Data is simulated using Finite Element Analysis (FEA).