

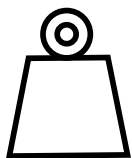
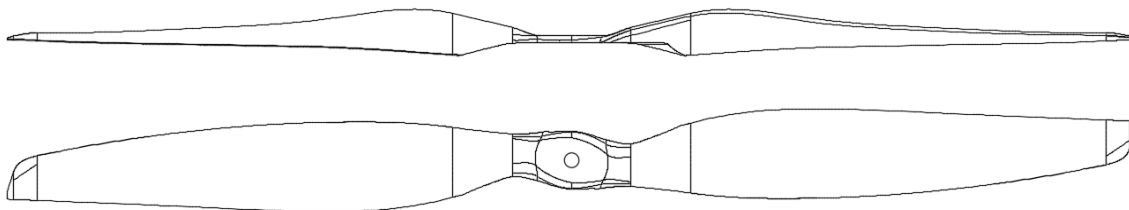


60x21 2B MC

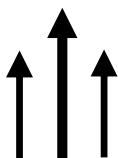
PN:26002100, 26002101

Product sheet

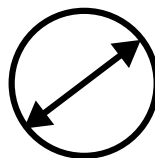
Rev.: 00
2024-04-30



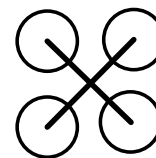
790 g
Mass



139.5 kgf
Max Thrust



60.0"
Diameter



Multicopter

Engine type:	Electric
Folding/Fixed	Fixed
Rotational direction:	Counter-clockwise and Clockwise available
Weight [g]:	790 ± 5.0%
Moment of inertia [kgm ²]:	1.53e-01
Center hole [mm]:	∅ 12
Max drilling diameter [mm]:	70
Mounting:	link to possible patterns
Limit RPM (0.7 Mach at blade tip)	3000
Working temperature [°C]	from -45°C to 65°C
Materials used:	carbon fiber, glass fiber, roving, polyurethane, epoxy
Tests performed:	balancing, visual Inspection, structural integrity (ATO)

Formula used to calculate moment of inertia: $I = \frac{1}{12} \cdot mass \cdot diameter^2$

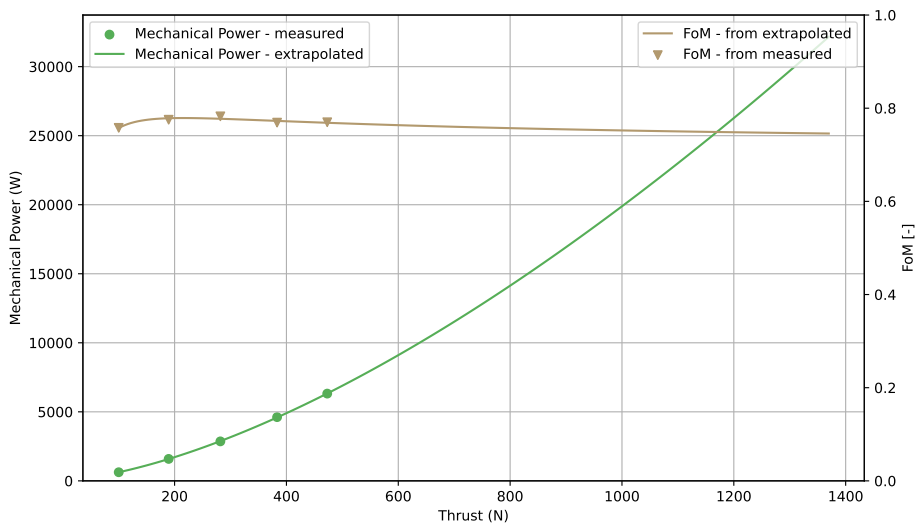
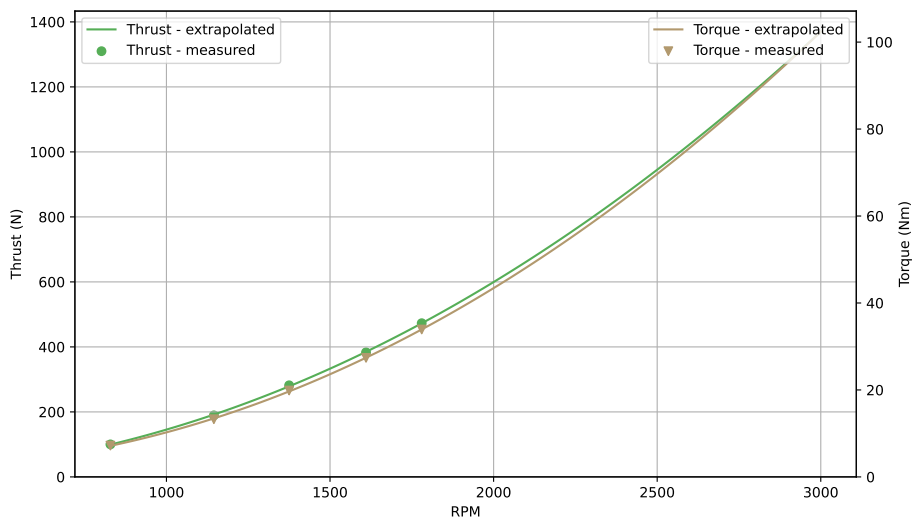


60x21 2B MC

PN:26002100, 26002101

Measured data

Static test result



$$\begin{aligned} \text{Thrust (RPM)} &= 0.000158154 \cdot \text{RPM}^2 + -0.0205 \cdot \text{RPM} + 7.91723 \\ \text{Torque (RPM)} &= 1.28912e - 05 \cdot \text{RPM}^2 + -0.0055 \cdot \text{RPM} + 2.85636 \\ \text{Mechanical power (RPM)} &= 9.37831e - 07 \cdot \text{RPM}^3 + 0.00102 \cdot \text{RPM}^2 + -1.67128 \cdot \text{RPM} + 776.14808 \end{aligned}$$

Formulas used to calculate FOM:

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

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

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