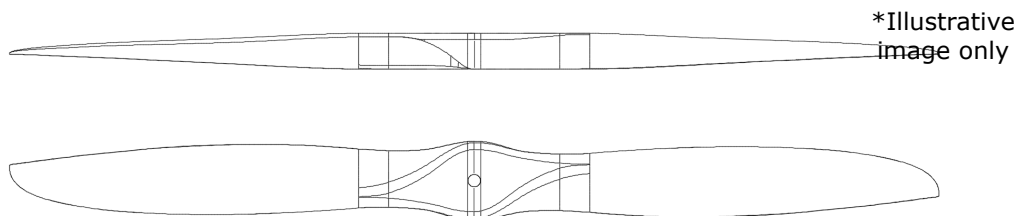


# PROPELLER

## 32x10 2B GAS EVO

PN: 232106



334 g  
Mass



32.0"  
Diameter



10.0"  
Pitch



Fixed wing

Engine/Motor type: Gas

Rotation direction: Counter-clockwise (Direction Guide)

Mass [g]:  $334 \pm 10.0\%$

Moment of inertia [ $\text{kgm}^2$ ]<sup>1</sup>:  $1.84\text{e-}02$

Core diameter [mm]: 54 (Drilling guide)

Limit RPM<sup>2</sup>: 5600

Working temperature [°C]: from -20°C to 60°C

Production method: Wet layup

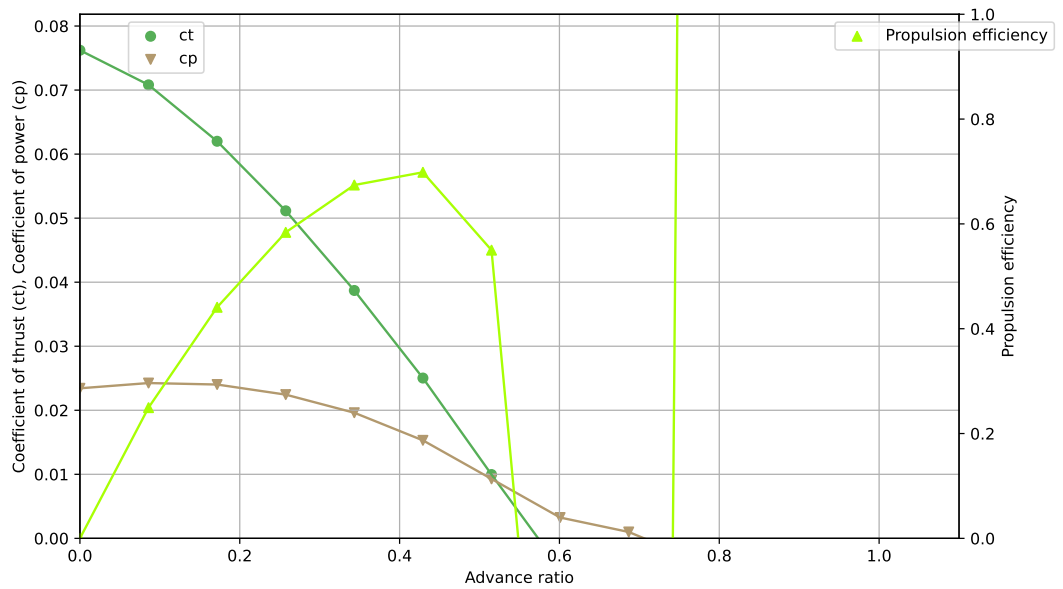
<sup>1</sup> Moment of inertia is only an estimation:  $I = \frac{1}{24} \cdot \text{mass} \cdot \text{diameter}^2 \cdot n^{\circ} \text{ of blades}$

<sup>2</sup> RPM is limited by tip speed; forward speed reduces the limit.

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

# Dynamic Performance Data

Simulated data - at 4300 RPM



| v_inf | Ct      | Cp      | Propulsion efficiency | Advance ratio |
|-------|---------|---------|-----------------------|---------------|
| 0.0   | 0.0762  | 0.0234  | 0.0                   | 0.0           |
| 5.0   | 0.0708  | 0.0243  | 0.2494                | 0.0858        |
| 10.0  | 0.062   | 0.024   | 0.4409                | 0.1717        |
| 15.0  | 0.0511  | 0.0224  | 0.5839                | 0.2575        |
| 20.0  | 0.0387  | 0.0196  | 0.6741                | 0.3433        |
| 25.0  | 0.025   | 0.0153  | 0.6985                | 0.4292        |
| 30.0  | 0.01    | 0.0093  | 0.5499                | 0.515         |
| 35.0  | -0.0047 | 0.0033  | -0.8607               | 0.6009        |
| 40.0  | -0.0143 | 0.001   | -9.829                | 0.6867        |
| 45.0  | -0.0243 | -0.0034 | 5.4498                | 0.7725        |
| 50.0  | -0.0314 | -0.0057 | 4.7016                | 0.8584        |
| 55.0  | -0.0361 | -0.0067 | 5.03                  | 0.9442        |

$$C_T = \frac{T}{\rho R P S^2 D^4}$$

$$C_P = \frac{P_{mech}}{\rho R P S^3 D^5}$$

$$\eta = \frac{C_T \cdot J}{C_P}$$

$$J = \frac{v_{inf}}{n \cdot D}$$