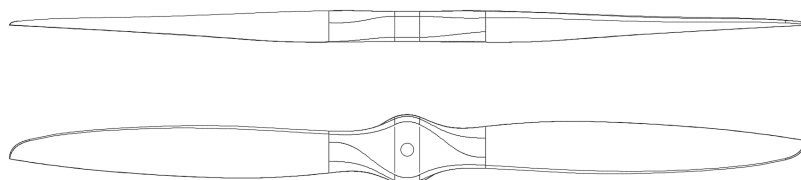


PROPELLER

32x18 2B GAS

PN: 232180, 232181



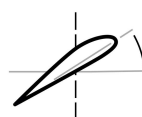
*Illustrative
image only



334 g
Mass



32.0"
Diameter



18.0"
Pitch



Fixed wing

Engine/Motor type: Gas

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

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

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

Core diameter [mm]: 57 (Drilling guide)

Limit RPM²: 5600

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

Production method: Wet layup

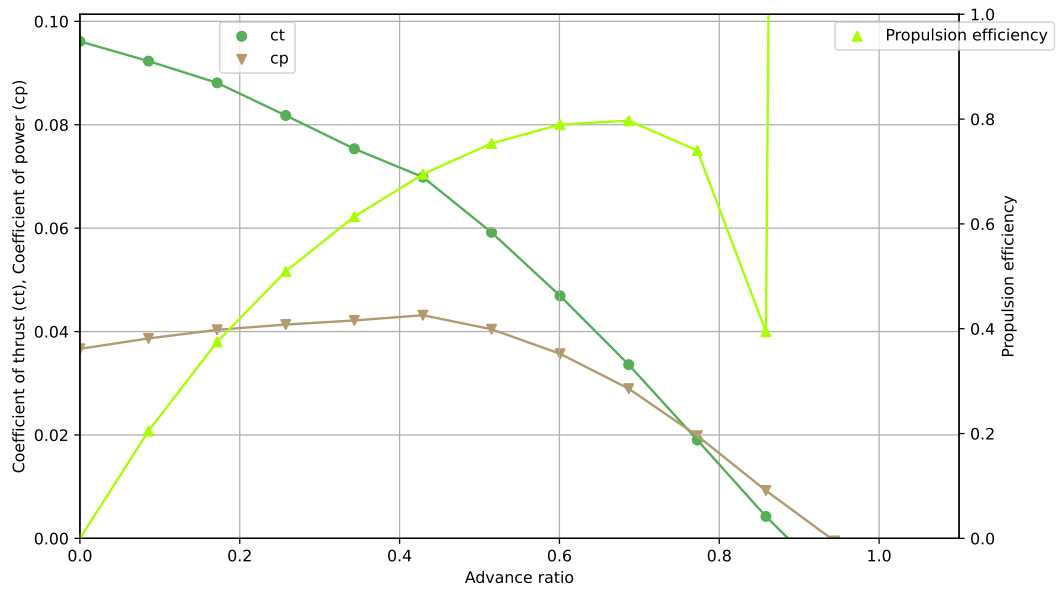
¹ Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot \text{mass} \cdot \text{diameter}^2 \cdot n^{\circ} \text{ of blades}$

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

Dynamic Performance Data

Simulated data - at 4300 RPM



v_inf	Ct	Cp	Propulsion efficiency	Advance ratio
0.0	0.0961	0.0367	0.0	0.0
5.0	0.0923	0.0387	0.2049	0.0858
10.0	0.0881	0.0403	0.375	0.1717
15.0	0.0818	0.0414	0.5093	0.2575
20.0	0.0754	0.0421	0.6138	0.3433
25.0	0.0699	0.0432	0.6949	0.4292
30.0	0.0592	0.0404	0.7535	0.515
35.0	0.0469	0.0357	0.7895	0.6009
40.0	0.0336	0.029	0.7968	0.6867
45.0	0.019	0.0198	0.7402	0.7725
50.0	0.0042	0.0092	0.3943	0.8584
55.0	-0.0089	-0.0005	16.3892	0.9442

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

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

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

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