PROPELLER
15x9 2B E

PN: 2150900, 2150901

*Illustrative image only
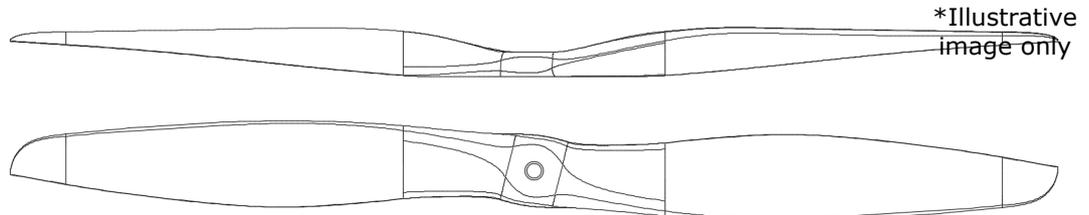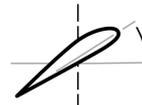
22 g Mass	15.0" Diameter	9.0" Pitch	Fixed wing

Engine/Motor type:	Electric
Rotation direction:	Counter-clockwise and Clockwise available (Direction Guide)
Mass [g]:	$22 \pm 12.0\%$
Moment of inertia [kgm^2][1]:	2.66e-04
Core diameter [mm]:	13.1 (Drilling guide)
Limit RPM[2]:	12000
Working temperature [°C]:	from -20°C to 60°C
Production method:	Wet layup

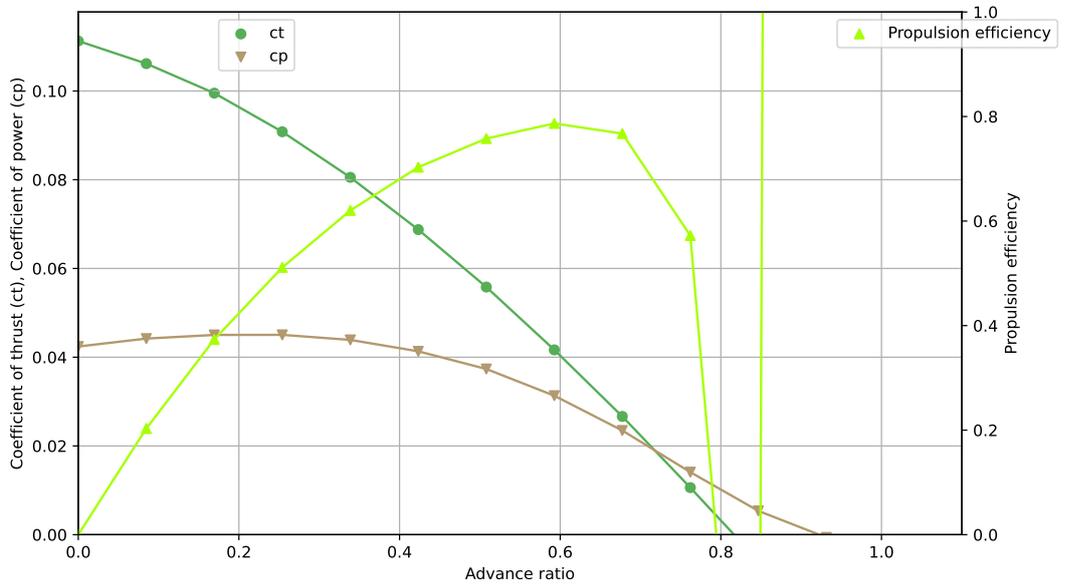[1] Moment of inertia is only an estimation: $I = \frac{1}{24} \cdot mass \cdot diameter^2 \cdot n^o of blades$
[2] RPM is limited by tip speed; forward speed reduces the limit.

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

Dynamic Performance Data

Simulated data - at 9300 RPM

v_inf	Ct	Cp	Propulsion efficiency	Advance ratio
0.0	0.1113	0.0424	0.0	0.0
5.0	0.1062	0.0442	0.203	0.0847
10.0	0.0995	0.045	0.3737	0.1693
15.0	0.0908	0.045	0.5112	0.254
20.0	0.0805	0.0439	0.6202	0.3387
25.0	0.0688	0.0413	0.703	0.4233
30.0	0.0558	0.0373	0.7578	0.508
35.0	0.0417	0.0313	0.7868	0.5927
40.0	0.0266	0.0235	0.7673	0.6773
45.0	0.0106	0.0141	0.5722	0.762
50.0	-0.0059	0.0054	-0.9266	0.8467
55.0	-0.0196	-0.0006	29.0639	0.9313

$$C_T = \frac{T}{\rho\,RPS^2\,D^4} \qquad C_P = \frac{P_{mech}}{\rho\,RPS^3\,D^5} \qquad \eta = \frac{C_T \cdot J}{C_P} \qquad J = \frac{v_{inf}}{n \cdot D}$$