PROPELLER
29x10 2B GAS S LF

PN: 229109

*Illustrative image only
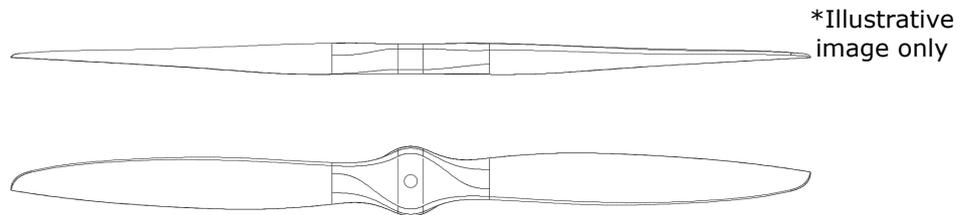
202 g Mass	**29.0"** Diameter	**10.0"** Pitch	**Fixed wing**

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Engine/Motor type:	Gas
Rotation direction:	Counter-clockwise (Direction Guide)
Mass [g]:	$202 \pm 10.0\%$
Moment of inertia [kgm^2][1]:	9.13e-03
Core diameter [mm]:	- (Drilling guide)
Limit RPM[2]:	6200
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

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Dynamic Performance Data

Simulated data - at 4800 RPM
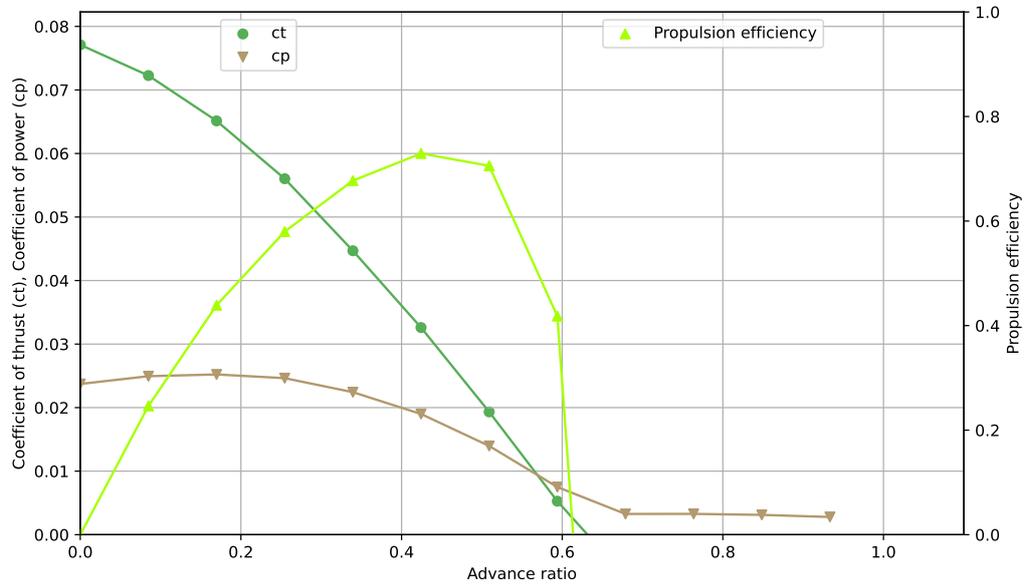
v_inf	Ct	Cp	Propulsion efficiency	Advance ratio
0.0	0.0771	0.0237	0.0	0.0
5.0	0.0723	0.0249	0.2462	0.0848
10.0	0.0651	0.0252	0.439	0.1697
15.0	0.056	0.0246	0.5798	0.2545
20.0	0.0447	0.0224	0.6773	0.3394
25.0	0.0326	0.019	0.7293	0.4242
30.0	0.0193	0.014	0.7057	0.5091
35.0	0.0053	0.0075	0.4181	0.5939
40.0	-0.0066	0.0033	-1.3828	0.6788
45.0	-0.0146	0.0033	-3.4201	0.7636
50.0	-0.0214	0.0031	-5.8381	0.8485
55.0	-0.0262	0.0028	-8.8051	0.9333

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