

Arm

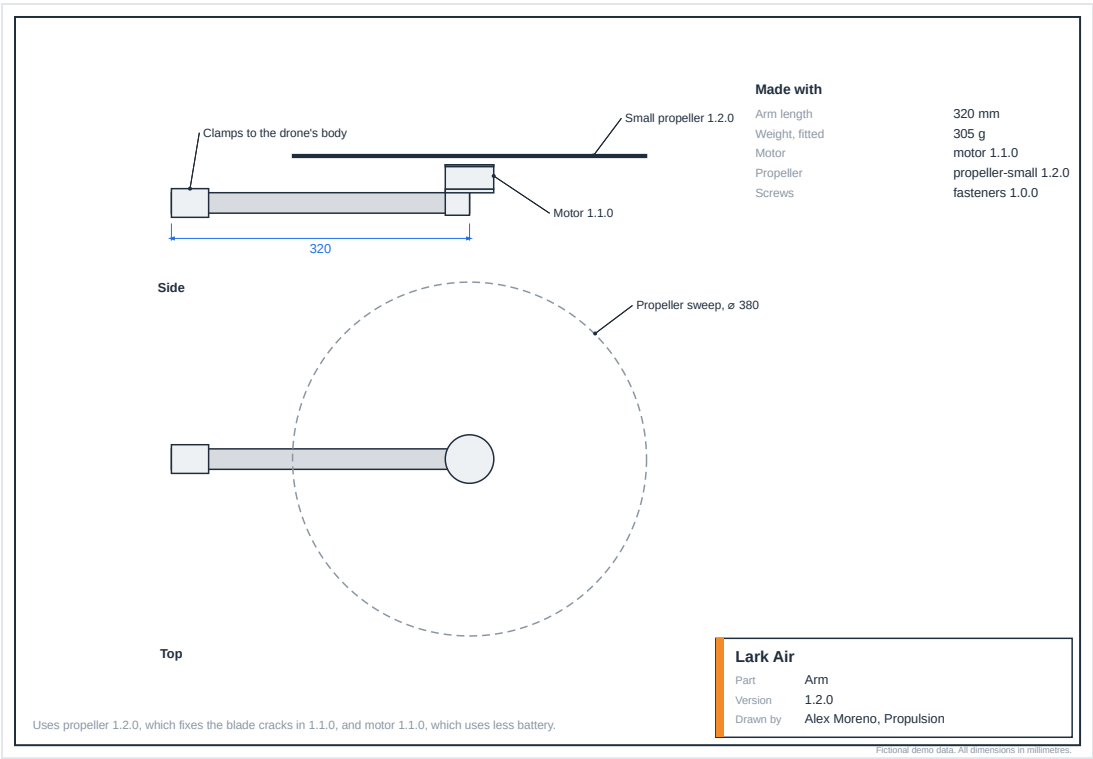
Version 1.2.0 · propulsion/arm · Alex Moreno, Propulsion

One drone arm with its motor and propeller fitted. The Courier drone has four.

KEY FIGURES

Length	320 mm
Weight, fitted	305 g

DRAWING



MADE WITH

Package	Version	What it is
propulsion/motor	1.1.0	The electric motor that spins a propeller. There is one at the end of every drone arm.
propulsion/propeller-small	1.2.0	A 38 cm (15 inch) two-blade propeller, sized for the Courier drone.
standard-parts/fasteners	1.0.0	The screws, nuts and washers that hold every Lark Air drone and dock together.

TESTS

Test	Result	Measured
Lifts at least 2.8 kg at full power	Passed	Lifted 3.3 kg
Bends less than 2 mm at full power	Passed	Bent 0.9 mm
Motor stays under 90 °C on a 35 °C day	Passed	Peak 83 °C

VERSIONS

Version	What changed
1.2.0	Uses propeller 1.2.0, which fixes the blade cracks in 1.1.0, and motor 1.1.0, which uses less battery.
1.1.0	Uses the lighter small propeller 1.1.0.
1.0.0	First release.

Lark Air · Fictional demo data, not for real use.