

# Lab Quadcopter

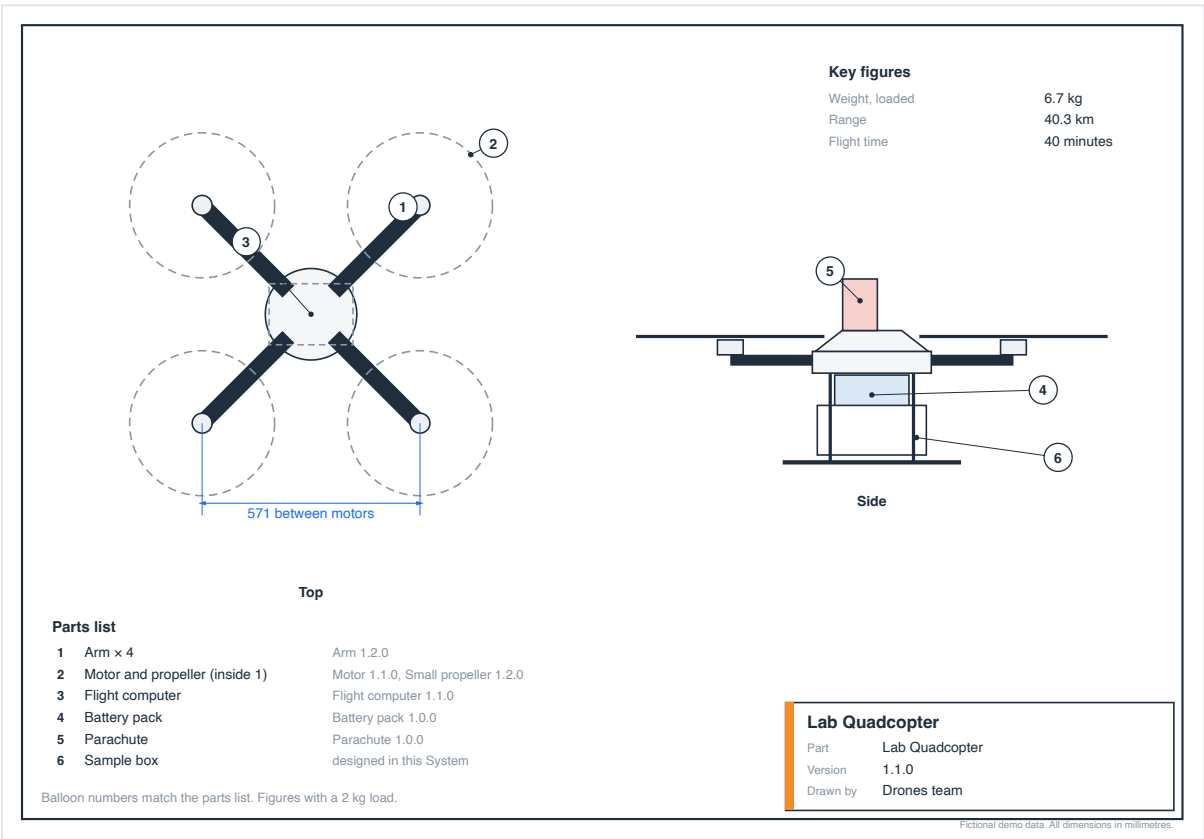
Version 1.1.0 · Looked after by the Drones team

A small, fast drone that carries up to 2 kg of blood samples from a clinic to the hospital lab.

## KEY FIGURES

|                        |                            |
|------------------------|----------------------------|
| Carries                | up to 2 kg                 |
| Weight, loaded         | 6.7 kg                     |
| Range with a full load | 40.3 km                    |
| Flight time            | 40 minutes                 |
| Cruising speed         | 60 km/h                    |
| Lands within           | 20 cm of the dock's centre |

## DRAWING



## BUILT FROM

| Part                                  | How many | Subsystem               | Version |
|---------------------------------------|----------|-------------------------|---------|
| Arm                                   | 4        | Propulsion              | 1.2.0   |
| ↳ Motor, inside each arm              | 4        | Propulsion              | 1.1.0   |
| ↳ Small propeller, inside each arm    | 4        | Propulsion              | 1.2.0   |
| ↳ Screws (Fasteners), inside each arm | 4        | Propulsion              | 1.1.0   |
| Battery pack                          | 1        | Power                   | 1.0.0   |
| ↳ Battery cells, inside each pack     | 12       | Power                   | 1.0.0   |
| ↳ Charging plug, on each pack         | 1        | Power                   | 1.0.0   |
| Flight computer                       | 1        | Flight electronics      | 1.1.0   |
| Parachute                             | 1        | Flight electronics      | 1.0.0   |
| Frame, sample box and 4 safety labels | 1        | Designed in this System |         |

Fictional demo data, not for real use.