

# C-22

## LIGHT MEDEVAC GYROPLANE



### Economic

90% HELICOPTER MISSION  
10% COST

As governments watch their helicopter fleet age and get more expensive, Celier Aviation innovates to bridge this gap. The C-22 gyroplane can perform 90% of a helicopter mission at only 10% of the cost. This is a flying machine that maximizes savings while optimizing efficiency. The C-22 has been designed for this reason.



### Technology

The C-22 is a French design that is manufactured in the European Union. It is truly an engineering work of art, built on the legacy of the Xenon. It is made of carbon in monocoque cabin technology. It is structurally built in one piece of material. All metal parts are made in an ISO 9001 facility using latest industrial machinery and protocols. It is indeed the next generation aircraft.

### Safety

The C-22 is built on the basics of the Xenon technology. The main safety feature is the cabin. The main task of the cabin is to provide an enormously strong shell to which all other parts are fixed. This provides a huge safety for Crew.

### Multipurpose

The C-22 was created as a response to modern days market needs. Celier Aviation has made numerous market studies on how gyroplane could be used for multipurpose missions. By listening to professionals, Celier Aviation came up with a gyroplane that can be easily transformed from one configuration to the other in no time at all.

### Flexibility

The C-22 gives any commander the flexibility of action at an economical capital outlay and routine running cost. It is easy to operate, easy to maintain and above all, easy to convert from a configuration to another.

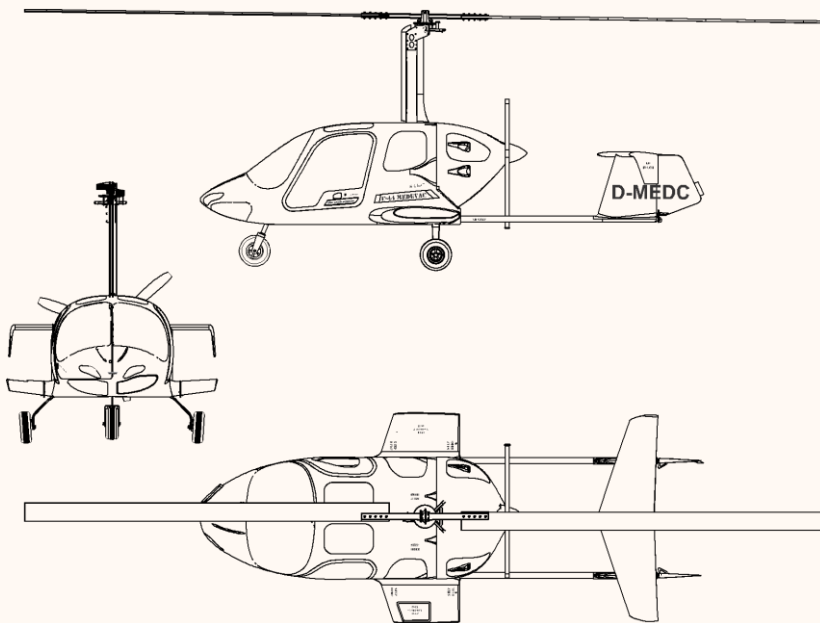
### Benefits

The benefits of the C-22 gyroplane are numerous. The C-22 engine (Rotax 912 ULS-T 135 hp) uses normal car fuel found in domestic fuel stations. It can fly in turbulence, high winds and extremities of cold and hot temperatures. It is easy to pilot, maintain and operate. It is less expensive to run than a helicopter and does not need a long runway for takeoff. For landing it requires only 5 to 10 m to come to a full stop. It is easily transported for special operations and rendered ready to fly in under 20 minutes.



## MULTIPURPOSE GYROPLANE

### Specifications :



| Specs                   | Model | C-22                     |
|-------------------------|-------|--------------------------|
| Cabin Material          |       | Carbon                   |
| Engine                  |       | Rotax 912 ULS-T 150 HP   |
| Rotor Material          |       | Aluminium                |
| Maximum take off weight |       | 560 kgs (up to 600 kgs)  |
| Cruise Speed            |       | 165 km/h                 |
| Fuel Type               |       | Car fuel 95 or 98 octane |
| Maximum Altitude        |       | 18 000 ft                |
| Range                   |       | 480 km                   |
| Fuel Quantity           |       | 88 ltr                   |
| Take off distance       |       | 100 to 150m              |
| Landing Distance        |       | 0 to 10m                 |
| Height                  |       | 2.82m                    |
| Length                  |       | 5.51m                    |
| Width                   |       | 2.32m                    |
| Rotor                   |       | 8.8m                     |
| Propeller               |       | 1.71m                    |

### MULTI PURPOSE

#### C-22 Cargo or Transporter

From a single pilot machine capable of lifting 150 kgs of cargo, the C-22 can be instantly converted into a 2 + 2 , passenger carrying machine.

#### C-22 Medevac

This platform is ideal to extract casualties from any unprepared open flat ground that allows a 100 m take off run.

The Medical equipment includes a Heart rate monitor, defibrillator, suction machine, intravenous infusion, drypack and suction pump.

#### C-22 Vigilant

This gyroplane is a mission dedicated platform for Police, Border Guard, Coast Guard, Fire Guard and Customs Institutions.

Specialised sensors are fitted to make it mission effective.

#### C-22 Defender

The most versatile and economic force multiplier giving air superiority to any commander on the ground.



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Your distributor:

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Raphael Celier founded the Company in France

Beginning of Xenon history

First flying Xenon build in France

Company moved to Poland

5 x Grand Prix In USA

New model Xenon II XL

Reorganization of company

C.A. designing Xenon 4

C.A. designing Xenon 4 XL

C.A. designing Xenon 4-4

C.A. certify Xenon 4 in 560 kgs category

Celier Aviation designing future...

1993

1997

2003

2006

2009

2010

2011

2012

2013

2014

2015

2016

