



THE CABRI G2


GUIMBAL
— FRANCE —



Love at first flight

Welcome aboard the Little Big Helicopter

The Cabri G2 is the world's most advanced piston engine helicopter. It has created a new standard in safety and pleasure of flying a light helicopter.

Any pilot coming from a big transport helicopter or a light utility turbine, will feel comfortable and safe in a Cabri G2.

Furthermore, a young pilot trained in a Cabri G2 will have the easiest transition to bigger helicopters.

**The shortest way to modern
commercial helicopters**





Composite
structure

Crash
resistant
fuel cell

Energy
absorbing
seats

High Spec Composite Structure

- Best protection for occupants,
- No calendar-limited components,
- No maintenance,
- Easily repairable,
- Certified for direct lightning strikes.

Energy Absorbing Seats

The Cabri G2 is designed with individual protection as the priority. It is the only piston helicopter certified with the latest requirements, ensuring military-like high impact energy absorption.

Should the unexpected happen, the occupants' survival has been demonstrated by tests at a vertical impact speed of 2000 ft/min which is a higher rate of descent than an autorotation.

Crash Resistant Fuel Cell

With its 170-liter fuel capacity (45 US Gal), it provides a range up to 700km (434 miles) or an endurance up to 6 flight hours.

Unique safety



Flight Qualities

The Cabri G2 has built its reputation on outstanding flight qualities.

The main rotor was designed with training in mind, to combine high maneuverability with a unique forgiving autorotation behavior.

This allows you to fly with confidence in winds and turbulence which would ground most light helicopters.

- Semi-articulated bearingless main rotor,
- On-condition components,
- Fail-safe design for critical parts,
- Composite rotor blades with thick CR steel leading edge: no corrosion, no erosion.

Fenestron®

The shrouded tail rotor provides unique safety on the ground and in the air. It allows perfect control at any wind angle.

Conventional Panels

The heart of the avionics is the EPM, a dedicated multi-function display monitoring 36 parameters and providing advanced functions such as:

- Smart power indicator
- Engine & Rotor RPM with advanced ergonomics
- Advanced three-mode fuel computer
- Automatic carburetor heating
- Transmission chip detectors
- Heated-Pitot controller
- A/C controller

This innovative device will become the best partner in the cockpit for instructors and pilots.

Analog instruments including Airspeed, Vertical Speed and Altitude Indicator complete the panel.

The Aspen display can be added to the basic configuration to introduce student pilots to speed and altitude tapes along with an HSI.



Round instruments



Aspen display

The Cristal Panel

FLY AS A PROFESSIONAL

The Cristal Panel integrates the latest generation of avionics with the Garmin G500H TXi 7" Touch Screen.

All steam gages are replaced by state-of-the-art, fully-featured digital equipment. This makes the Cabri G2 a unique stepping stone to train future commercial helicopter pilots.

As an additional option, the PFD mode with Synthetic Vision adds a touch of modernity and enhances the situational awareness with terrain, obstacles and ADSB traffic.



SAM Back-up PFD

Storage
& USB Port

ADSB
Transponder

GTN 650 Xi or 750 Xi
paired with G500H TXi

FLARM / Air Avionics

Your app

Multifunction Chin Mount

THE CABRI G2 COMBINES IT ALL

Certified by the Manufacturer as part of the helicopter, this device will allow easy integration of a wide range of sensors and cameras to fit your specific mission (gimbal, lidar, stinger etc.).

- Easy conversion for dual use (fast removal & installation),
- Keeps the full helicopter flight envelope,
- No flight testing required.



The Cabri G2 accepts your mission

FITS YOUR SPECIFIC CONDITIONS



Pop-out Floats

Innovative emergency floats based on an easy removal/installation and automatic deployment.



Air Conditioning

Brings comfort to your flight. No impact on the helicopter performance. Minimum weight penalty (12kg - 26 lbs).



Cargo Hook

With a maximum capacity of 220 kg (485 lbs), and together with the Cabri G2 outstanding maneuverability, it makes it the perfect trainer.



Bearpaws

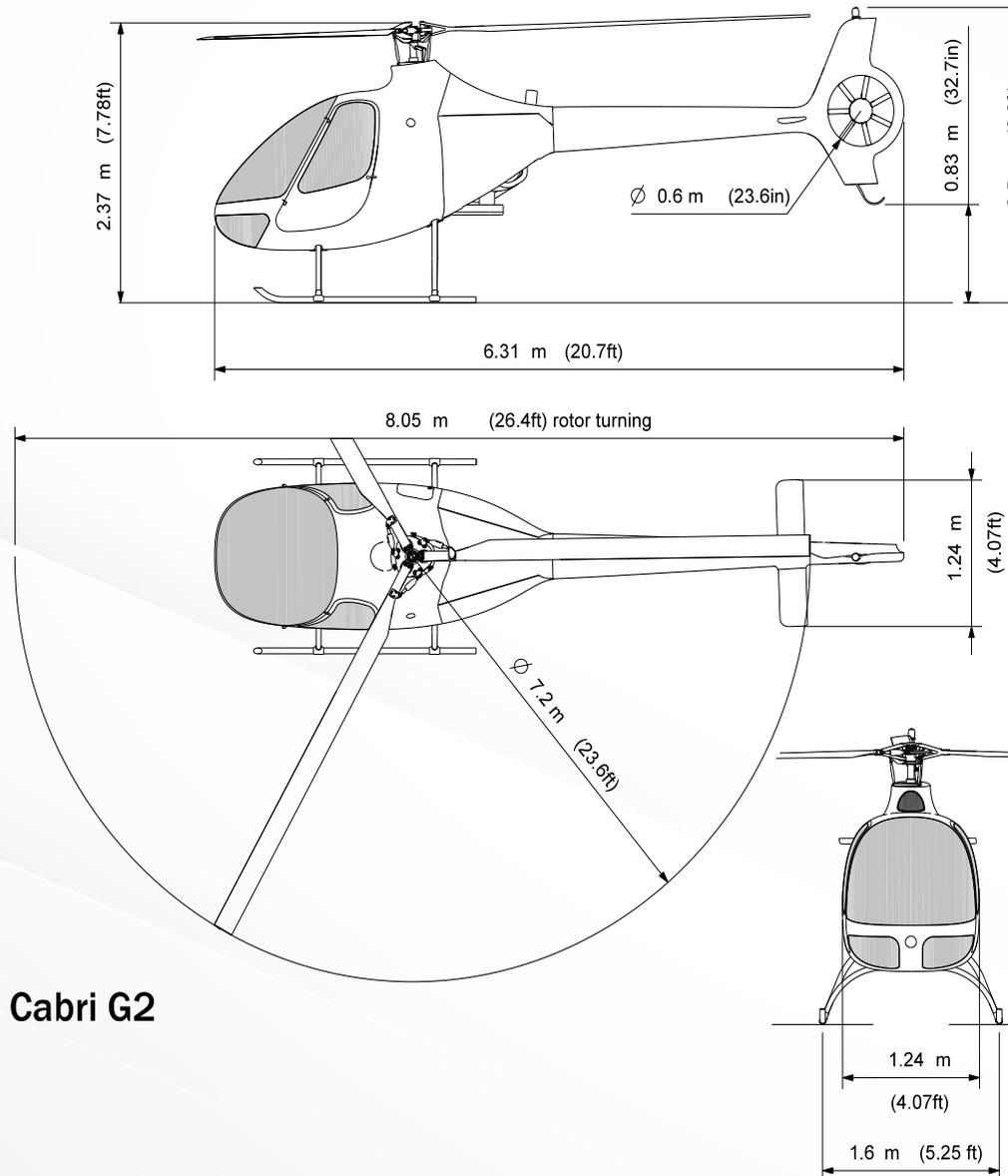
Fully certified as part of the helicopter. Require no change in the flight documentation.

The Cabri G2 is operated worldwide

CERTIFIED IN OVER 40 COUNTRIES



Specification



Cabri G2

WEIGHTS

Max gross weight	700 kg	1543 lbs
Empty weight	430 kg	947 lbs
Useful load	270 kg	595 lbs
Cargo Hook Capacity	220 kg	485 lbs

PERFORMANCE

Engine	Lycoming O-360-J2A with electronic ignition	
Max. Take-off power	160 hp	
Max. Continuous power	145 hp	
Max. Cruise Speed	100 kt	185 km/h
Cruise Speed	95 kt	176 km/h
VNE (Sea Level)	130 kt	241 km/h
Hover Ceiling IGE (MGW, ISA)	7500 ft	2286 m
Hover Ceiling OGE (154 kg crew + 2 hr fuel)	5000 ft	1524 m
Service Ceiling	13 000 ft	3962 m
Max. Range (15 min. reserve)	380 NM	700 km
Certified Noise Level	75,7 dB SEL	

CAPACITIES

Seating	2 crashworthy seats	
Cabin Width	1,24 m	49 in
Luggage	200 liters	7 cu.ft
Fuel Capacity	170 liters	45 US Gal.
Approved Fuels	AVGAS 100LL & UL91 / MOGAS Premium	



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