



EUROCOPTER
EC120 B

DESIGNED WITH CUSTOMER IN MIND

The new Eurocopter EC 120 B is the first light single engine helicopter to incorporate all the latest technologies available such as VEMD (Vehicle and Engine Multifunction Display), Spheriflex type rotor head, a new generation fenestron and the latest TURBOMECA ARRIUS engine.

The design of the EC 120 B makes it the most comfortable aircraft in its category. In fact, its wide cabin can accommodate up to 5 persons: moreover the cabin area and the luggage compartment combined allow bulky load transportation as main blades container.

This very safe and environmental friendly aircraft complies with the JAR , FAR 27 and ICAO regulations.

The simple EC 120 B design offers a new maintenance concept specially adapted to a modern light helicopter operation. Most of the maintenance tasks can be performed by the operators themselves without the need of specific tools. This self-sustained maintenance has considerably reduced the operating costs of the aircraft.

All the documentation you need to operate and maintain your EC 120 B has been highly simplified and is available on a single CD-ROM.

Wherever you are in the world, you can benefit from a wide range of services through your nearest point of contact (training, spares, standard exchange, repair and overhaul, customization, technical assistance and warranty).



DESIGNED TO PROVIDE USERS WITH MISSION FLEXIBILITY

The EC 120 B is proposed in various mission configuration:

- corporate, passengers transport,
- utility,
- training,
- police...

The exceptional cabin architecture enables a very rapid change of configuration, which makes it a highly versatile helicopter



A NEW GENERATION OF LIGHT SINGLE ENGINE HELICOPTER

The EC 120 B includes the latest technologies that will make piloting easier and safer.



The VEMD (Vehicle and Engine Multifunction Display) is a fully duplex equipment allowing the display on LCD screen of 3 operating modes which are:

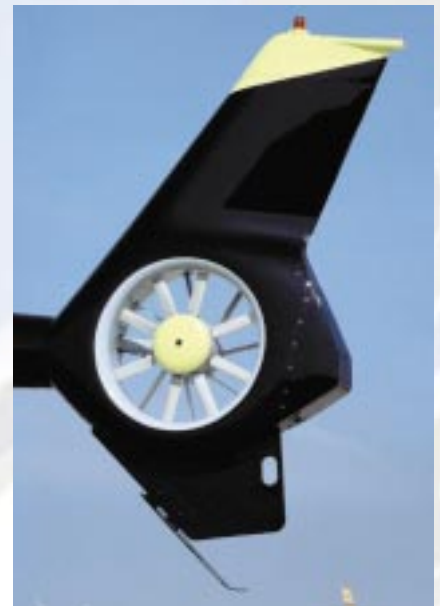
- The operational mode
Used mainly in flight to display engine and vehicle parameters (T4, NG, torque, oil pressure, fuel quantity OAT, generator and battery current or voltage...), engine power check and weight performance operator.
- The maintenance mode
Used on ground to display flight report page, overlimit page and avionic system failure page.
- The configuration mode
Allows to choose the unit system, to integrate optional equipment in the VEMD display.

The VEMD is very easy to maintain thanks to its modular conception.

Rotor head «Spheriflex» type: this highly reliable rotor head is very easy to maintain as it does not have roll bearing and does not need lubrication.

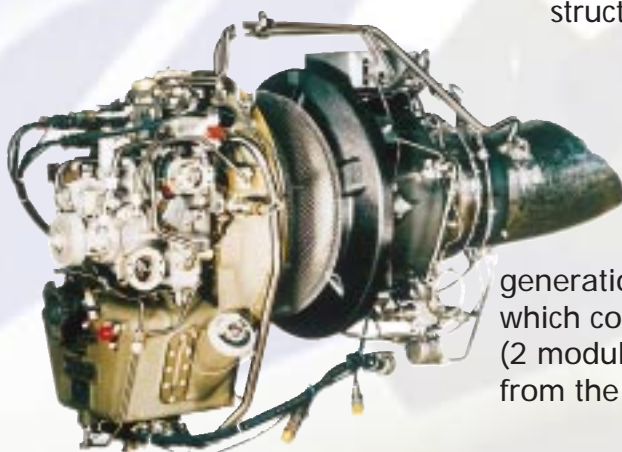
Main rotor blades are aerodynamically optimized.

They are corrosion proof and highly tolerant to impacts.



Third generation of Fenestron with airfoil and 8 asymmetrical blades spacing for low noise emission.

This Fenestron is integrated into a composite structure.



The ARRIUS 2F is the latest engine generation of Arrius family (from TURBOMECA) which combines power (504 shp), simplicity (2 modules), low fuel consumption and benefits from the wide experience of the Arrius engine family

A ROOMY CABIN WITH OUTSTANDING COMFORT



The EC 120 B benefits from a roomy cabin and exceptional glazed surface providing the passengers an excellent comfort and a very good field of view.

The luggage compartment is able to contain up to 5 large suitcases. When the helicopter is configured for cargo, the cabin area plus luggage compartment (3m³) make loading and unloading effortless thanks to an unobstructed cabin and a flat floor.



A SAFE AND VERY QUIET HELICOPTER



Eurocopter is very sensitive to A/C safety and quietness.

The EC 120 B is fully compliant with the new JAR 27 regulation concerning safety. It is equipped with crashworthy seats for pilot, copilot, passengers and crashworthy fuel system.

New technology integrated in the Colibri plays a key role in safety and quietness:

- The new generation of fenestron improves safety on ground as well as in flight and takes part in the decrease in external noise level.
- New design of the main blades in composite makes them resistant to impact, corrosion free



The external noise level of the EC 120 B is almost 7dB under the limit defined in the current ICAO regulation.

Its exceptional low noise level makes it an ideal helicopter for missions over cities such as corporate transport, law enforcement, medical evacuation, news gathering...





EC 120 B, EASY TO OPERATE !



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