



EC 120

General
Presentation

EC COMBINES POWER, SAFETY,

In all these respects the aircraft



A cabin with outstanding comfort.
The best in its class!



The EC 120 flat floor, easy access
(1 sliding door on LH side) and exceptionally large cabin, allow
ample space for 5 people to travel in comfort.

When configured for cargo the cabin area and luggage
compartment combined (3 m³) make loading
and unloading effortless.



120 COMFORT AND QUIETNESS

matches the user requirements



5 large suitcases can fit easily into the roomy luggage compartment.



EC 120

A VERY QUIET HELICOPTER

**The external noise level of the EC 120
is more than 6 dB under the limit defined
in the current ICAO regulation**



*Its exceptional low noise level makes the EC 120 an ideal helicopter for missions over cities such as **corporate transport, law enforcement, medical evacuation, news gathering...***

EC 120 A SAFE HELICOPTER

First single engine helicopter
to comply with the new JAR 27 regulation



- Pilot, copilot and passenger crashworthy seats
- Crashworthy fuel system

The EC 120 is fitted with a "**Fenestron**" tail rotor improving the safety on the ground as well as in flight:

- Fan-in-fin concept
- High damage tolerance
- No antitorque thrust applied in flight



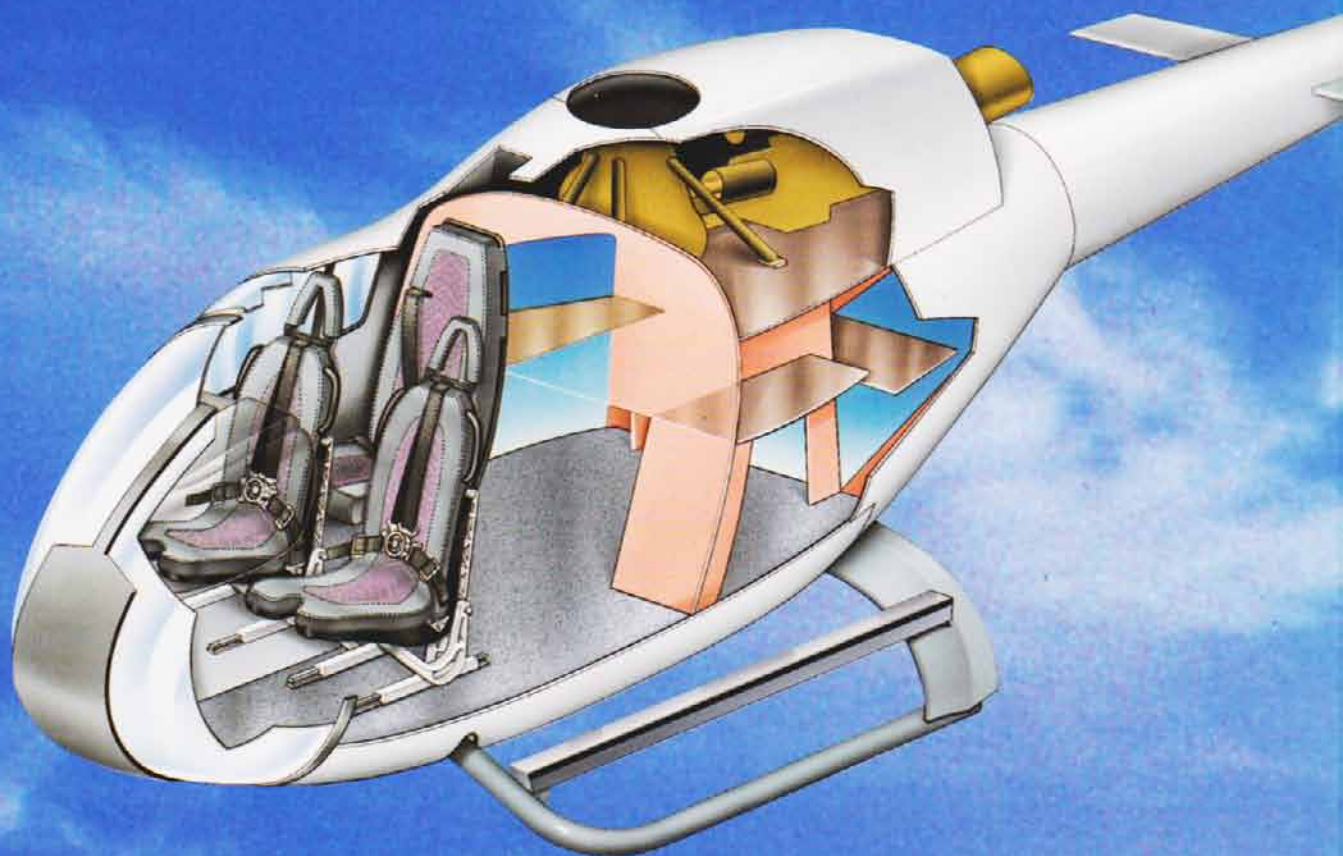
The composite main rotor blades are of **fail safe design**:

- Resistance to impact
- Corrosion free
- No scheduled maintenance

EC 120 AIRFRAME ARCHITECTURE

**Designed to provide users
with mission flexibility**

- Unobstructed cabin
- Possible opening between cabin and luggage compartment
- Easy access to the cabin and the luggage compartment
- Flat floor
- Hold compartment: totally dedicated to luggage or freight
(independant avionics compartment)



EC A NEW MULTIPURPOSE

Designed with

A MISSION PACKAGE AVAILABLE

CORPORATE PASSENGER TRANSPORT OFFSHORE

- 1 pilot + 4 passengers
- Large cabin and easy access
- Roomy luggage compartment
- Low noise and vibration levels
- Exceptional visibility for crew and passengers



POLICE

- Exceptional manoeuvrability
- Good endurance
- Good visibility
- High useful load for equipment
- Quiet helicopter



120 LIGHT HELICOPTER

customers in mind

FOR EACH APPLICATION



TRAINING / LIAISON

- Economical means of training
- Forgivable
- Rugged design
- Good field of view
- Friendly to the neighbourhood
- Ease of maintenance

MEDICAL EVACUATION

- 1 pilot + 1 copilot + 1 attendant + 1 litter
- Exceptional manoeuvrability
- Low noise level
- Smooth flight
- Exceptional visibility allowing a good flight safety in congested areas
- Easy access (3 possible accesses for loading the litter)



UTILITY

- Multi-purpose capability
- Quick role change
- High useful volume
- Good all around visibility
- High useful load
- Highly manoeuvrable
- 700 kg/1944 lbs cargo sling capacity
- Low vibration level

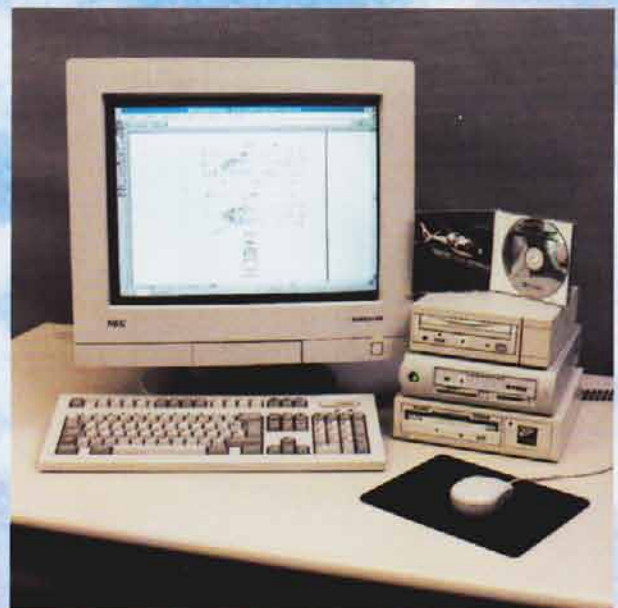
EC 120

MAINTENANCE CONCEPT

Adapted to a modern light helicopter operation



- Nearby support
- Low DMC
- No Major Airframe inspection
- Ease of access to the transmission deck
- Inspections up to the 100-hr-check performed by the pilot
- Most of maintenance tasks can be performed by operators with simple tools (no test bench)
- Documentation available on CD ROM
- Possibility to install a parameter recorder in association with a PC in order to facilitate the maintenance planning



EC A NEW GENERATION OF LIGHT

Integrating advanced technology,
(operation, safety,

New generation articulated
"Spheriflex" type rotor head.

- ease of maintenance
 - no lubrication
 - no roll bearing
- high reliability

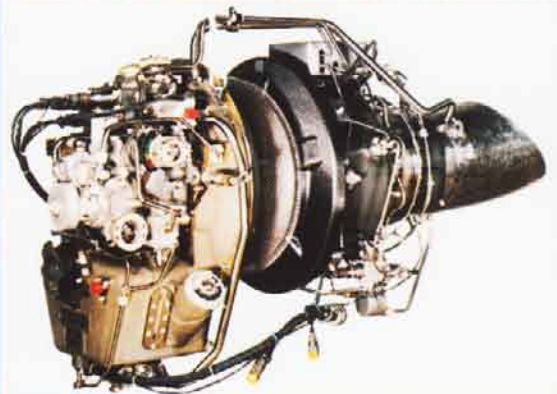


Modern and ergonomic instrument panel including
a Vehicle and Engine Multifunction Display (VEMD)
which reduces significantly the pilot workload.

The VEMD computes and displays the main vehicle
and engine parameters such as :

- First limitation indication (T4, NG, Torque)
- Fuel content
- OAT
- and some parameters like engine oil temperature,
engine oil pressure, generator current and voltage,
battery temperature.

The VEMD computes also IGE and OGE performance.



A new generation engine of the Turbomeca
ARRIUS family, the ARRIUS 2F, which combines :

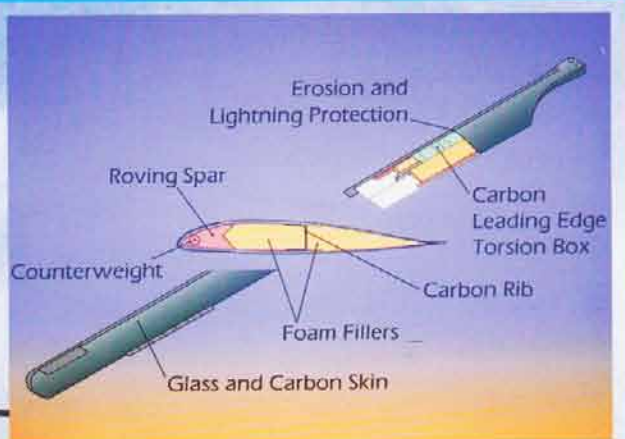
- power (504 shp, 376 kw)
- simplicity
- low fuel consumption
- wide experience of the Arrius engine family

120 SINGLE ENGINE HELICOPTER

for the benefit of the customer
(comfort, maintenance)

High performance composite
main rotor blades,
aerodynamically optimized.

- No corrosion
- Highly tolerant to impacts



New generation "Fenestron"
with new airfoil and
asymmetrical blade spacing
(8 blades) for low noise
emission.

This Fenestron is integrated
into a composite structure.

ec 120
a class ahead



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