



AS532 AL+ / AS332 L1e / AS332 C1e **Avionics and Autopilot Evolution**



EUROCOPTER
AN EADS COMPANY



The AS532 / AS332 family: More than 4 million flight hours in 50 countries with 700 a/c delivered

The AS532 AL+, the AS332 L1e and the AS332 C1e are 9-ton class twin-engine helicopters in the famous COUGAR / SUPER PUMA family. They combine the rugged experience of the AS532 / AS332 dynamic and basic assemblies with the most advanced avionics of the EC725. They also include full glass cockpit avionics and the latest generation autopilot.

These aircraft are reliable, fast helicopters and have outstanding all weather capabilities: a great power reserve and a high manoeuvrability.

The powerful MAKILA 1A1 engines give them the ability to fly almost any mission, no matter the temperature and altitude.

They ensure maximum operational safety, even in the most difficult situations (discretion, low vulnerability, crash survivability and icing conditions).

These multipurpose helicopters can perform a wide range of missions:

- AS532 AL+: troop and load transportation, complex search and rescue (SAR), combat SAR missions as well as casualty evacuation
- AS332 L1e: from passenger transportation, executive transportation to SAR
- AS332 C1e: aerial work such as heavy sling, logging, power line maintenance.

The large selection of available optional equipment allows for a wide spectrum of mission capabilities.

In addition, the AS532 AL+, the AS332 L1e and the AS332 C1e are also cost effective helicopters due to their low maintenance and operating costs.



MAX. WEIGHT
9,000 kg/19,840 lb 9,350 kg/20,615 lb (with external load)
USEFUL LOAD
4,390 kg/9,680 lb
CAPACITY
2 pilots + 24 troops Up to 6 stretchers Sling load: 4,500 kg/9,920 lb
ENGINE
2 Turbomeca MAKILA 1A1 Maximum emergency power (OEL): 1,400 kW/1,877 shp
FAST CRUISE SPEED
258 km per hr/139 kts (at maximum weight - Sea level - ISA - clean aircraft)
MAXIMUM RANGE
776 km/419 nm (standard fuel tanks) 1,165 km/629 nm (auxiliary tanks) (takeoff at max. weight - Sea Level - ISA - clean aircraft)

MAX. WEIGHT
8,600 kg/18,960 lb 9,350 kg/20,615 lb (with external load)
USEFUL LOAD
4,085 kg/9,006 lb
CAPACITY
2 pilots + 19 passengers (in comfort configuration) Maximum cargo sling load: 4,500 kg/9,920 lb
ENGINE
2 Turbomeca MAKILA 1A1 Maximum emergency power (OEL): 1,400 kW/1,877 shp
FAST CRUISE SPEED
262 km per hr/141 kts (at maximum weight - Sea level - ISA)
MAXIMUM RANGE
866 km/468 nm (takeoff at maximum weight - Sea level - ISA)

MAX. WEIGHT
8,600 kg/18,960 lb 9,350 kg/20,615 lb (with external load)
USEFUL LOAD
4,195 kg/9,249 lb
CAPACITY
2 pilots + 17 passengers (in comfort configuration) Maximum cargo sling load: 4,500 kg/9,920 lb
ENGINE
2 Turbomeca MAKILA 1A1 Maximum emergency power (OEL): 1,400 kW/1,877 shp
FAST CRUISE SPEED
262 km per hr/141 kts (at maximum weight - Sea level - ISA)
MAXIMUM RANGE
642 km/346 nm (takeoff at maximum weight - Sea level - ISA)

A high jump in avionics mission system capabilities



Most modern technology inherited from the well-known EC225/EC725

- Advanced helicopter cockpit and avionics system (AHCAS), including a full glass cockpit NVG compatible:
 - Four 6" x 8" navigation & mission displays
 - Two 4" x 5" vehicle management system displays
 - One integrated standby instrument display
- New digital dual duplex 4-axis autopilot (APM 2010)
- Latest generation navigation and flight management systems





A state-of-the-art autopilot: unmatched capabilities for civil and military missions

- Automatic hovering capabilities with precise accuracy over mobile platforms and even in strong winds
- Unique automatic hover stability (1 m/3 ft)
- High level of swell capability
- Enhanced safety for landing and takeoff in brown-out or white-out conditions
- Automatic transition to/from hover flight, no matter the flight parameters

Major benefits

- Reduced pilot workload for increased mission effectiveness
- Additional redundancies
- Better situation awareness even in degraded weather conditions
- Access to new functions (SAR patterns...)



Extreme precision, high reliability for an enhanced safety



thinking without limits



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