EUROCOPTER EC135P1 Model Guide

EUROCOPTER EC135P1 is a variant of the EC135 helicopter family (Airbus Helicopters in the registry). Family-level figures reach up to 7 passengers, 129 kt cruise, 430 nm range and 2700 kg MTOW. No variant-specific specs were supplied, so confirm figures against the flight manual.

KEY TAKEAWAYS

- Family data lists up to 7 passengers, 430 nm range and 129 kt cruise. These are maxima across all EC135 variants, not P1 figures.
- EASA AD 2010-0254 covers the EC135 P1 tail boom aft ring frame (Fenestron). Confirm it was complied with.
- Camera or step-mount STC payloads cut climb rate and can reduce VNE. Check the supplement for any fitted mount.
- The library entry says piston, but registry family data says turboshaft. Verify the engine type in the aircraft records.

FAMILY PERFORMANCE CONTEXT

Registry data for the whole EC135 family shows up to 430 nm range, 129 kt cruise, a 17000 ft service ceiling, 7 passengers and 2700 kg MTOW. Variants include EC135, P1, P2+, P3, T1, T2+ and T3. Treat these as 'up to' figures, not EC135P1 specs.

TAIL BOOM RING FRAME AD

EASA AD 2010-0254 (effective 20 December 2010) applies to EC135 P1 (CDS and CPDS), all serial numbers. A crack was found on the aft ring frame joining the Fenestron housing to the tail boom. It requires a visual check before the first flight of each day. It also requires an inspection every 25 FH (+5 FH tolerance). Within 12 months the ring frame must be modified to P/N L535H2120302, which ends the repetitive checks.

CAMERA/STEP MOUNT SUPPLEMENT

The Airfilm Step Utility Mount (STC SR02138LA) fits the EC135 landing gear. Category A operations are prohibited with any payload on the arms. With loads on more than 2 attach points, reduce VNE by 10 KIAS. Subtract 120 fpm of climb for any 2 payloads and 190 fpm for more than 2. The SX-16 light must be off below 50 feet AGL.

PERFORMANCE

Family Max Range Nm	430
Family Max Cruise Speed Kt	129
Family Max Service Ceiling Ft	17000
Rate Of Climb Penalty Two Payloads Fpm	120
Rate Of Climb Penalty Over Two Payloads Fpm	190

WEIGHT & BALANCE

Step Mount A10 Arm Max Mass Lbs	125
Step Mount C11 Arm Max Mass Lbs	100

SAFETY NOTES

- Cracks found in the aft ring frame require replacing it with a serviceable part before further flight (AD 2010-0254).
- Category A operations are prohibited with any payload on the Airfilm step mount arms.
- Switch off the SX-16 searchlight below 50 feet AGL and before inflating floats. Its IR beam is hazardous within 500 feet.

AI-aggregated guide for the EUROCOPTER EC135P1 · sources: ROTORCRAFT FLIGHT MANUAL SUPPLEMENT TO THE EUROCOPTER MODEL EC135 (#102789) · EASA AD 2010-0254 (#100067) · generated 2026-11-24 · Reference only, not for flight. Check the original documents before relying on this guide.