AIRBUS H135 Model Guide

AIRBUS H135 is a light twin-engine turbine helicopter with a Fenestron tail rotor and a bearingless four-blade main rotor. The Technical Description lists two Pratt & Whitney Canada PW206B3 or Safran ARRIUS 2B2 plus engines, each with FADEC. The H135 family (EC135 variants) is listed at up to 7 passengers.

KEY TAKEAWAYS

- Twin turbine engines with FADEC; the Technical Description offers PW206B3 or ARRIUS 2B2 plus.
- Family-level figures (up to): 430 nm range, 129 kt cruise, 7 passengers, 17,000 ft service ceiling.
- H135 retrofit standard: MTOW 2,980 kg, plus better hot-and-high performance and lower noise.
- Many EC135 variants can be retrofitted to H135 standard, and an Inlet Barrier Filter is an option.

DESIGN AND EQUIPMENT

Skid landing gear, a one-level cabin and cargo floor, two sliding passenger doors and two rear clam-shell doors. It has a bearingless main rotor with four composite blades and a Fenestron tail rotor with ten metal blades. Avionics include two 6 x 8 inch multifunction displays, a 3-axis stability augmentation system and a usage monitoring system.

PERFORMANCE OF THE H135 RETROFIT STANDARD

The retrofit brochure gives MTOW of 2,980 kg, hover OEI (2 min power, sea level, ISA) of 2,700 kg, service ceiling of 16,350 ft with a 200 ft/min climb reserve, and max density altitude of 16,000 ft. Payload gains are largest in hot-and-high conditions. Average noise is 86.3 dB, 8.4 dB below the FAR Stage 2 / ICAO limit.

EC135 TO H135 RETROFIT

The brochure says EC135 P1, T1, P2, T2, P2+ and T2+ aircraft can be converted. It gives roughly 20 working days for minimum content and up to 60 days for the most extensive retrofit (EC135 T1 CDS to H135). The Inlet Barrier Filter has a 99.8 % filtration rate. Some configurations without the filter are marked certification still outstanding.

PERFORMANCE

Service Ceiling Ft	16350
Max Density Altitude Ft	16000

WEIGHT & BALANCE

Max Takeoff Weight Kg	2980
Hover Oei Weight Kg	2700

SAFETY NOTES

- The Technical Description is general information only. Use the approved flight manual for performance data and operating limits.
- The registry category reads single-engine piston, but the documents describe two turbine engines. Confirm the actual aircraft configuration.
- Check which retrofit standard and Inlet Barrier Filter status apply to the airframe, since certification is outstanding for some configurations.

AI-aggregated guide for the AIRBUS H135 · sources: H135 Technical Description (#102823) · H135 Retrofit (#101315) · generated 2026-11-24 · Reference only, not for flight. Check the original documents before relying on this guide.