

AIRBUS A320 Model Guide

AIRBUS A320 is a twin-engine turbofan airliner family. The registry lists variants such as A320-111, A320-214, A320-232 and A320-271N. Family-level maximums, not any one variant: up to 179 passengers, 3500 nm range, 454 kt cruise, 79000 kg MTOW and 39000 ft ceiling. The library record tags it as a single-engine piston. That conflicts with the registry's turbofan data, so treat it as a data error.

KEY TAKEAWAYS

- Family maximums only: up to 179 passengers, 3500 nm, 454 kt, 79000 kg MTOW. Confirm your exact variant's figures in its own documents.
- Engine options across the family include CFM56, IAE V2500, PW1100G and CFM LEAP-1A. The engine fit decides which performance charts apply.
- Ask for proof of Airbus Service Bulletin A320-53-1258 (mandatory side box beam flange inspection at FR43) where it applies.
- Operator checklists differ in details, such as a taxi limit of 20 knots in one and 25 KTS in another. Use the procedures approved for your aircraft.

VARIANTS, ENGINES AND WINGTIPS

The registry lists many variants, including A320-111, A320-214, A320-232 and A320-271N. The Airbus airport planning document shows handling data for CFM56 Series, IAE V2500 Series, PW 1100G and CFM LEAP-1A engines. It also shows wing tip fence and Sharklet versions. Check which engine and wingtip your airframe has.

STRUCTURAL INSPECTION TO VERIFY

Airbus Service Bulletin A320-53-1258 (Revision 02, Sep 07/16) is marked mandatory. A crack was reported in the side box beam flange at Frame 43 during the full-scale fatigue test. It calls for a Rototest inspection of three fastener holes in the upper flange, left and right, estimated at 26.00 manhours. It applies to aircraft with MOD 21202 embodied and MOD 152569 not embodied. Service Bulletin A320-53-1251 cancels the inspection requirement. Ask for the compliance record.

OPERATING NOTES FROM THE CHECKLISTS

Both sample checklists limit speed to 250 KIAS below 10,000 ft. One shows approach steps of 210, 180 and 145 KIAS and a taxi limit of 20 knots. The other uses 25 KTS. The Airbus FCOM covers the A318/A319/A320/A321 and lists FMS2 Honeywell sections, so confirm which FMS your aircraft has.

SAFETY NOTES

- Mandatory bulletin A320-53-1258 covers a fatigue-test crack at Frame 43. Confirm it was done or does not apply to the airframe.
- Where earlier Airbus repairs exist in the same area, the bulletin says to contact Airbus Repair Support for instructions.
- Sample checklists are operator-specific and disagree in places. Use the approved manual for your airframe.