

AIRBUS A330 Model Guide

AIRBUS A330 is a twin-engine turbofan airliner family. The registry lists variants from the A330-200 and -300 to the A330-800 and -900 (A330neo). Family-level figures are up to 412 passengers and up to 8150 nm range. The library record's "single-engine piston" label conflicts with the registry's turbofan class, so treat that label as wrong.

KEY TAKEAWAYS

- Family-level maxima, not variant figures: up to 412 passengers, 8150 nm range, 465 kt cruise, 41000 ft ceiling.
- Airbus Service Bulletin A330-53-3144 (fuselage frames 45 and 54 fatigue) is mandatory. Check that it has been done on any A330-200 or A330-300.
- Kits for that bulletin are listed at 2,250.00 and 5,100.00 USD, 7,350.00 USD in total for the first configuration.
- A330neo (-800/-900): takeoff or go-around with packs or engine bleed off, or APU bleed on, needs a maintenance check.

WHAT THE FAMILY OFFERS

The registry shows a turbofan family with up to 8150 nm range, up to 465 kt cruise speed, up to 41000 ft service ceiling, up to 412 passengers and up to 251000 kg MTOW. These are maxima across all variants. Take exact figures for a specific variant from its own manual.

STRUCTURE AND MAINTENANCE RECORDS

Service Bulletin A330-53-3144 (revision 04, Nov 23/15) is mandatory. It oversizes and cold-works fastener holes at the frame 45 and 54 circumferential joints. It improves fatigue life and cancels the related inspection requirements. The Maintenance Planning Document is at revision 26 (Jul 01/21). Ask for proof of compliance and the maintenance program status.

WALKAROUND AND BLEED LOGBOOK

The A330-200 pre-flight checklist requires a full walkaround before each flight. Look for impact damage, fuel, oil or hydraulic leaks, open access doors and any remaining covers. On A330neo, the temporary revision TR811 requires logbook records of pack and bleed configuration at takeoff and go-around.

SPECIFICATIONS

Family Max Passengers	412
Family Max Mtow Kg	251000

PERFORMANCE

Family Max Range Nm	8150
Family Max Cruise Speed Kt	465
Family Max Service Ceiling Ft	41000

SAFETY NOTES

- A330neo (TR811): if takeoff or go-around was done with packs OFF, engine bleed OFF or APU bleed ON, the HP valve seals must be checked before the next takeoff.
- Do not apply hydraulic power if any landing gear door is open until ground personnel give clearance.
- Service Bulletin A330-53-3144 is mandatory. Confirm it was accomplished and the compliance records are on file.