LEONARDO AW169 Model Guide

LEONARDO AW169 is a turboshaft helicopter listed under AgustaWestland in the registry. Family-level registry data shows up to 12 passengers, up to 4500 kg maximum takeoff weight, up to 100 kt cruise and up to 15000 ft service ceiling. Our library record lists it as piston, which conflicts with the registry. Confirm engine type from the aircraft's own documents. Only one service document was available.

KEY TAKEAWAYS

- Registry family maxima: up to 12 passengers, 4500 kg takeoff weight, 100 kt cruise and 15000 ft service ceiling.
- Engine data conflicts: the registry says turboshaft, our library says piston. Verify against the flight manual and records.
- A 2020 Leonardo letter covers fitting an ISOARK N 36-4 biocontainment system in the AW169 for HEMS (air ambulance) flights.
- Stretcher layout is covered by AW169 RFM Supplement 40. If the aircraft has medical gear, check that supplement is on file.

MEDICAL (HEMS) USE

Leonardo evaluated one ISOARK N 36-4 biocontainment isolation system in an AW169 cabin fitted with the EMS stretcher installation. It is compatible with transport operations if an installation trial with the system on the stretcher is passed. The weight and balance calculation must include the stretcher, the patient and the system.

WHAT TO CHECK ON A MEDICAL-FIT AIRCRAFT

Confirm the cabin and cockpit separation wall is sealed at hinges, zippers and gaps. Check that door handles are reachable on both sides, emergency exits are accessible and marked, and portable fire extinguishers can be reached. Ask for the EMC compatibility check and the electrical load analysis for this specific aircraft configuration.

INFORMATION GAPS

The inputs give no production years, seat count, range, engine model, weights or price for this exact variant. Ask the seller for the flight manual, the weight and balance record and the maintenance history before comparing it with other aircraft.

SAFETY NOTES

- With the biocontainment system fitted to the stretcher, avoid severe turbulence and harsh maneuvers.
- Cabin temperature must stay between 0°C and 45°C while the biocontainment system is in use.
- Run the ECS/ventilation system in the cabin for the whole mission, and keep it on during cleaning after the patient leaves.

AI-aggregated guide for the LEONARDO AW169 · sources: AW139 and AW169 ISOARK N 36-4 biocontainment isolation system installation (#100818) · generated 2026-11-26 · Reference only, not for flight. Check the original documents before relying on this guide.