AERO L-39C ALBATROS Model Guide

The AERO L-39C ALBATROS is a single-engine, two-seat, subsonic jet trainer built by Aero Vodochody of the Czech Republic. Its main roles are basic and advanced training and light attack. The library lists it as piston, but the manuals describe an AI-25TL jet engine. No speed, range or ceiling figures were provided.

KEY TAKEAWAYS

- Single-engine, two-seat tandem jet trainer. It can also carry light attack stores on wing pylons.
- Max ramp weight is 10,520 lbs and max landing weight is 9,920 lbs. Basic weight is 7,640 lbs.
- Power comes from an AI-25TL engine rated at 1720 kgF of thrust. Development records note early engine surge problems.
- The source manuals give no range, cruise speed or ceiling figures. Get performance data from Appendix A of the flight manual.

WHAT YOU ARE BUYING

A low-wing jet trainer with three-point retractable gear and a tandem cockpit. Each seat has an ejection seat. Two non-droppable tip tanks are fitted at the wing tips, and each wing has one hardpoint for an under-wing pylon. The fuselage splits into forward and aft sections to permit engine removal.

DIMENSIONS AND WEIGHTS

Wing span is 31.042 ft, length 39.805 ft and height 15.493 ft. Empty weight is 7,485 lbs and basic weight is 7,640 lbs. Max ramp weight is 10,520 lbs and max landing weight is 9,920 lbs. The manual says these weights are approximate and not for performance calculations.

WHAT TO INSPECT

Check the AI-25TL engine history, fuel system and tip tanks. Check the landing gear, flaps, speed brakes and hydraulic system. Check the ejection seats, canopies and oxygen system. Check the fire detection and extinguishing systems, electrical power, and navigation and radio equipment. Confirm the manual and records are current.

SPECIFICATIONS

Wing Span Ft	31.042
Length Ft	39.805
Height Ft	15.493

WEIGHT & BALANCE

Empty Weight Lbs	7485
Basic Weight Lbs	7640
Max Ramp Weight Lbs	10520
Max Landing Weight Lbs	9920

SAFETY NOTES

- The manual's weights are approximate and must not be used to compute aircraft performance. Use Appendix A.
- Prototype testing recorded engine surges and one in-flight flameout. Review the engine failure, surge and fire procedures and the engine's service history.
- The manual prohibits any operation or configuration it does not cover. Get clearance before attempting anything outside it.

AI-aggregated guide for the AERO L-39C ALBATROS · sources: FLIGHT MANUAL L39C AIRCRAFT (#100719) · DCS: L-39 Albatros (#100432) · generated 2026-10-21 · Reference only, not for flight. Check the original documents before relying on this guide.