LOCKHEED C-130 Hercules C-130H Model Guide

LOCKHEED C-130 Hercules C-130H is a Hercules transport. The supplied documents contain no C-130H-specific performance figures, so the numbers below are C-130 family 'up to' maxima from the registry, which lists a turboprop. The library record lists it as a single-engine piston, which conflicts with that. Verify engines and records on any aircraft you consider.

KEY TAKEAWAYS

- Across the C-130 family, variants reach up to 3890 nm range, 300 kt cruise and 33000 ft ceiling. These are not C-130H figures.
- Elevator booster actuator P/N 5C5803: ultrasonic crack inspection by 4,000 flight hours, then every 1,400 hours.
- Check records for the aft-fuselage microvane modification (SB 82-837). It takes about 80 man-hours and adds 7.5 lbs.
- The family registry lists up to 135 passengers and a maximum takeoff weight up to 70300 kg.

ELEVATOR BOOSTER INSPECTION

SB 382-27-51 applies to all FAA certificated Hercules except 382J. If actuator hours are over 4,000 or unknown, inspect within 180 days of receiving the bulletin. A crack means the booster is replaced before the next flight. The check takes about five man-hours. Look for a log entry.

MICROVANE FUEL-SAVING MODIFICATION

SB 82-837 covers C-130B-H aft fuselages. It installs two sets of ten microvanes to cut drag and fuel cost. The work takes about 80 man-hours over about 40 hours elapsed. Kits come from Metro Aerospace, LLC. Confirm weight and balance records were updated.

MANUALS AND CABIN SYSTEMS

The documents supplied include a C-130T Navy NATOPS manual, which is a different model. A 1976 service article says cabin air comes from engine bleed air at about 600°F. Allow a minimum of five minutes for the air conditioning to stabilize before judging it.

SPECIFICATIONS

Family Max Passengers	135
Family Max Takeoff Weight Kg	70300

PERFORMANCE

Family Max Range Nm	3890
Family Max Cruise Speed Kt	300
Family Max Service Ceiling Ft	33000

WEIGHT & BALANCE

Microvane Kit Weight Change Lbs	7.5
Microvane Arm Short Fuselage Inches	932.2
Microvane Arm Stretch Fuselage Inches	1212.2

SAFETY NOTES

- If both elevator booster cylinders rupture, control column forces rise significantly and changing pitch from the trimmed attitude becomes difficult.
- Microvane sealants and coatings are flammable and toxic. Do not operate the aft cargo door with the locating fixture attached.
- The C-130T NATOPS lowered the landing-lights-extended limit to 170 knots indicated. Confirm C-130H limits in its own manual.

AI-aggregated guide for the LOCKHEED C-130 Hercules C-130H · sources: HERCULES SERVICE BULLETIN 382-27-51 REVISION NOTICE (#101382) · HERCULES SERVICE BULLETIN 82-837 (#101383) · Hercules Air Conditioning (#101762) · NATOPS FLIGHT MANUAL NAVY MODEL C-130T AIRCRAFT (#100854) · generated 2026-10-19 · Reference only, not for flight. Check the original documents before relying on this guide.