AERONCA 11AC CHIEF Model Guide

The AERONCA 11AC CHIEF is a single-engine piston, fixed-pitch-prop two-seat-class light aircraft with a 65 hp Continental A65-8. It has a 1220 lb max takeoff weight, 375 lb useful load and 13 gal of fuel. Cruise is about 78 kts with a range of 226 nm. Check the figures against the aircraft's own manual.

KEY TAKEAWAYS

- The AERONCA 11AC CHIEF has a 65 hp Continental A65-8 with a fixed-pitch wood propeller.
- Useful load is 375 lb on an 845 lb empty weight, with only 20 lb of baggage allowed.
- Cruise is 78 kts at about 4.25 gph from 13 gal, for a range of 226 nm.
- Stall is about 38 kts clean, and climb is about 500 fpm.

WEIGHT AND FUEL PLANNING

Empty weight is 845 lb and max takeoff weight is 1220 lb, leaving a 375 lb useful load. That load covers fuel (13 gal), occupants and the 20 lb baggage limit, so a full tank plus two adults needs a careful weight check. The CG range is 10.9 - 21.5 inches.

OPERATING FIGURES IN A CLUB CHECKLIST

One club checklist (1946 11AC) gives these speeds in MPH: rotate 40, Vx 50, Vy 60, maneuvering 80, Vne 129. It also gives best glide 60 (7:1 glide ratio), initial approach 70 and final 60. Run-up is at 1700 RPM, with a magneto drop under 100 RPM each and carb heat drop over 75 RPM.

WHAT TO CHECK WHEN BUYING

The checklist wants oil pressure of at least 30 PSI after start and oil temperature of at least 100 before takeoff. Full-power static RPM should exceed 2040, and idle should be under 800. Verify these on a test run, along with magnetos, carb heat and brakes.

SPECIFICATIONS

Engine Hp	65
Fuel Capacity Gal	13
Empty Weight Lbs	845
Max Takeoff Weight Lbs	1220
Wingspan Ft	35.15
Length Ft	21.42
Height Ft	7.58
Range Nm	226

PERFORMANCE

Cruise Speed Kts	78
Max Speed Kts	87
Rate Of Climb Fpm	500
Fuel Burn Gph	4.25
Stall Speed Clean Kts	38
Best Glide Speed Kts	60

WEIGHT & BALANCE

Empty Weight Lbs	845
Max Takeoff Weight Lbs	1220
Useful Load Lbs	375
Baggage Allowance Lbs	20
Cg Range Inches	10.9 - 21.5

SAFETY NOTES

- In an engine failure the checklist calls for 60 MPH best glide, carb heat hot, and a check of fuel shutoff and mags before an emergency landing.
- Apply full carb heat before idle power on approach. Final approach is 60 MPH, plus half the gust.
- Pilots must follow the manufacturer's operating limitations. The club checklist is not a substitute for the aircraft's own manual.

AI-aggregated guide for the AERONCA 11AC CHIEF · sources: Aeronca Chief (#101525) · generated 2026-11-26 · Reference only, not for flight. Check the original documents before relying on this guide.