ERCO 415 Ercoupe Model Guide

The ERCO 415 Ercoupe is a single-engine piston family with variants 415-C, 415-CD, 415-D, 415-E and 415-G. The 415-C handbook lists a 1320 lbs maximum takeoff weight and 40 lbs of baggage. Family-level registry data shows up to 2 passengers, up to 107 kt cruise and up to 430 nm range.

KEY TAKEAWAYS

- 415-C max takeoff weight is 1320 lbs with 40 lbs baggage. The sample empty weight is 888 lbs, so check each airplane's own weight and balance.
- Handbook fuel burn is 3.6 gph at 65%, 4.1 gph at 75% and 5.5 gph at 100% power. Stall (VSO) is 48 MPH.
- Service Bulletin 29C mandates an outer wing panel corrosion inspection on all 415-C, 415-CD, 415-D, 415-E and 415-G aircraft.
- Ask for log book proof of SB 29C compliance and the wing inspection openings, which allow routine corrosion checks.

WEIGHT, FUEL AND BALANCE

Handbook figures for the 415-C: max takeoff weight 1320 lbs, max baggage 40 lbs, CG range 26.4 in to 30.3 in. Fuel is a 6 gal header tank plus 9 gal in each wing tank. Oil is 2 qt minimum and 4.5 qt maximum. The sample empty weight of 888 lbs is one airplane's sheet, so verify the airplane you are buying.

SPEEDS AND RANGE

415-C handbook: stall 48 MPH, rotate 60 MPH, best angle climb 69 MPH, best rate climb 75 MPH, maneuvering 108 MPH, never exceed 144 MPH. Range with reserves is 274.2 mi at 65% power, 260.2 mi at 75% and 201.8 mi at 100%. Demonstrated crosswind is 21.5 kts.

WHAT TO CHECK WHEN BUYING

Look for evidence of SB 29C wing inspection openings and corrosion findings. Check the fabric condition on the wings. Ercoupes with serial number 4893 or earlier need the wing tip splice rivets checked. Serial numbers 2623 to 2994 are covered by SB 15 on the fuel overflow line. The handbook preflight also covers sumping all tanks and tire pressures of 17 psi main and 20 psi nose.

SPECIFICATIONS

Max Takeoff Weight Lbs	1320
Max Baggage Weight Lbs	40
Empty Weight Lbs	888
Header Tank Fuel Gal	6
Wing Tank Each Gal	9
Max Demonstrated Crosswind Kts	21.5

PERFORMANCE

Fuel Burn 65 Pct Gph	3.6
Fuel Burn 75 Pct Gph	4.1
Fuel Burn 100 Pct Gph	5.5

V-SPEEDS

Stall Vso Mph	48
Rotate Vr Mph	60
Best Angle Vx Mph	69
Best Rate Vy Mph	75
Maneuvering Va Mph	108
Max Structural Cruise Vno Mph	114
Never Exceed Vne Mph	144

WEIGHT & BALANCE

Max Gross Weight Lbs	1320
Sample Empty Weight Lbs	888
Sample Empty Arm In	26.376
Cg Forward Limit In	26.4
Cg Aft Limit In	30.3

SAFETY NOTES

- SB 29C reports severe corrosion in outer wing panel structure on several aircraft. Inspect at every 100 hour and annual inspection.
- SB 15 (serials 2623-2994): a necked fuel overflow line could fail, and the bulletin says failure would probably cause an immediate forced landing.
- Apply full carb heat before closing the throttle on landing. Handbook best glide is listed as 75 MPH in the checklists and 78 MPH in the emergency list.

AI-aggregated guide for the ERCO 415 Ercoupe · sources: ERCOUPE 415-C Operators Handbook (#101502) · Ercoupe Service Bulletin 29 Revision C (#101421) · Ercoupe Service Bulletin 15 (#101422) · generated 2026-10-20 · Reference only, not for flight. Check the original documents before relying on this guide.