

CESSNA 414 Model Guide

The CESSNA 414 is a pressurized, turbocharged twin-engine piston airplane. The registry family covers the 414 and 414A. Family-level highs are up to 7 passengers, 1310 nm range, 225 kt cruise, 30000 ft service ceiling and 3000 kg MTOW. These are not figures for one variant. The documents cover checklists, training, parts and airworthiness items.

KEY TAKEAWAYS

- Family highs: up to 7 passengers, 1310 nm, 225 kt, 30000 ft. Use the POH for your own airplane's figures.
- Exhaust is a key check: AD 2000-01-16 requires a visual inspection every 50 hours or 30 days, plus a yearly pressure test.
- Training courses require instrument and multiengine ratings; one syllabus asks for 1000 hours total flight time.
- Check the logs for turbocharger back plate, stall warning horn, brake and avionics bus breaker items.

PERFORMANCE AND SPEEDS

A RAM comparison table lists the baseline CESSNA 414 at 310 hp per engine, 36 in takeoff manifold pressure, 1580 fpm twin-engine climb and 240 fpm single-engine climb. Cruise at 23,000 ft on 230 hp is 206 ktas at 19.3 gph per engine. Checklist speeds: Vx 88, Vy 112, Vmca 72 kts.

AIRWORTHINESS ITEMS TO CHECK

Exhaust (AD 2000-01-16): replace V-band clamps every 500 hours. Remove the exhaust aft of the slip-joints at 2500 hours or 12 years. A turbocharger bulletin calls for back plate replacement at overhaul, 2000 hours or 12 years. Stall warning horn replacement (MEB-34-07) is optional.

PRE-BUY AND OWNERSHIP NOTES

A ground checklist covers oxygen, alternate static, pitot and stall heat, de-ice boots, cowl flaps and gear warning horns. The emergency gear blow-down bottle applies to the 414A. Flight checks include pressurization differential and the autopilot. Windshield moisture seal wear is a leading cause of early failure. A Cleveland brake conversion STC covers the 414 and 414A.

SPECIFICATIONS

Engine Power Hp	310
Takeoff Manifold Pressure Inches	36

PERFORMANCE

Twin Engine Climb Fpm	1580
Single Engine Climb Fpm	240
Cruise Speed 230hp 23000ft Kts	206
Fuel Flow Per Engine 230hp Gph	19.3

V-SPEEDS

Vx Kts	88
Vy Kts	112
Vmca Kts	72

WEIGHT & BALANCE

Gross Weight Lbs	6350
Landing Weight Lbs	6200
Zero Fuel Weight Lbs	6165

SAFETY NOTES

- Vmca is 72 kts per the normal checklist. Brief single-engine procedures before every takeoff.
- Inconel exhaust parts corrode from the inside without flaking. Remove the carbon and inspect internally.
- Avionics bus breaker switches with a date code before 0434 have a 1,000 hour safe life (CASA AD). Check the part number and date code.