Cessna 425 Corsair Model Guide

The Cessna 425 Corsair is a six- to eight-place twin turboprop built 1980-1986. It is essentially a 421 Golden Eagle re-engined with two Pratt & Whitney PT6A-112s, each flat-rated to 450 shp. A 1981 Business & Commercial Aviation evaluation called it a good first turboprop for piston-twin pilots, with strong fuel economy at altitude.

KEY TAKEAWAYS

- Max cruise is 264 KTAS at 17,700 ft, where the flat-rated PT6A-112s can still make rated takeoff thrust.
- Handling is easy for piston-twin pilots: docile stalls, no gear-down trim change, and good single-engine control.
- Single-engine service ceiling is 18,500 ft at max gross takeoff weight; total fuel capacity is 2,452 lb.
- Check airworthiness directive compliance by serial number: spar caps, stabilizer spar nuts, nose gear rod, windshield.

PERFORMANCE AND HANDLING

The magazine's flight evaluation reports rotation at 90-100 knots and best-rate climb at 115 knots, with 2,027 fpm advertised at max gross weight. The AFM gives sea level to 25,000 ft in 16 minutes. Pattern speeds run 150-130 knots downwind, 120 base-to-final and 100 over the fence. Autofeather is standard.

AIRWORTHINESS DIRECTIVES TO VERIFY

The April 2006 NZ CAA schedule lists eight ADs: windshield bolt holes (S/Ns 425-0002 to 0177), nose gear actuator rod (to 0190), stabilizer spar nuts and wing front spar upper cap cracks (to 0236), hose P/N S51-10, and avionics bus breaker switches. Without the service kit, spar caps need re-inspection every 300 hours TIS.

SYSTEMS AND OWNERSHIP NOTES

The horizontal tail has 12 degrees of dihedral and dual pitch-trim actuators are standard. Two 250-amp starter-generators each power their own bus, and either can carry a full IFR load. Fuel goes in only through the nacelle tank fillers, so allow drain-down time when topping off. Cabin altitude is 10,000 ft at 25,000 ft.

SPECIFICATIONS

Powerplant	2x Pratt & Whitney PT6A-112, 450 shp each (flat-rated)
Seats	6 to 8
Production Years	1980-1986
Category	turboprop

PERFORMANCE

Max Cruise Speed Kts	264
Max Cruise Altitude Ft	17700
Max Climb Rate At Max Gross Fpm	2027
Single Engine Service Ceiling Ft	18500

V-SPEEDS

Rotation Speed Kts	90-100
Best Rate Climb Speed Kts	115
Cruise Climb Speed Kts	135
Base To Final Speed Kts	120
Over The Fence Speed Kts	100

WEIGHT & BALANCE

Total Fuel Capacity Lbs	2452

SAFETY NOTES

- AD: positioning power levers below the flight idle stop in flight is prohibited; it may cause loss of control or engine overspeed.
- AD: in severe icing, request priority handling to exit, and do not use the autopilot if the visual ice cues are present.
- AD: avionics bus breaker switches with date code earlier than 0434 can fail, causing cockpit smoke; replace them.

AI-aggregated guide for the Cessna 425 Corsair · sources: B/CA Analysis: Cessna 425 Corsair (#4478) · Airworthiness Directive Schedule Aeroplanes Cessna 425 (#23451) · generated 2026-10-18 ·
Reference only, not for flight. Check the original documents before relying on this guide.