

# Beechcraft King Air C90GTx Model Guide

The Beechcraft King Air C90GTx is a pressurized twin-turboprop in production since 2010. The manufacturer sheet lists up to 8 occupants, two 550 shp PT6A-135A engines, 272 ktas maximum cruise and 1,260 nm ferry range. It has Collins Pro Line Fusion avionics and can be flown single-pilot.

## KEY TAKEAWAYS

- Manufacturer sheet: 8 occupants maximum, 3,280 lb useful load, 350 lb baggage, 10,485 lb max takeoff weight.
- Max cruise is 272 ktas. Ferry range is 1,260 nm at long-range cruise with NBAA IFR reserves. Max operating altitude is 30,000 ft.
- Find out whether the Raisbeck EPIC package is fitted. It is factory standard on C90GTx models LJ-2121 and after.
- Check the cabin door locking and the wing-spar AD history against the aircraft records before you buy.

## WEIGHTS, PAYLOAD AND CABIN

Basic operating weight with one pilot is 7,265 lb and useful load is 3,280 lb. Max takeoff weight is 10,485 lb. The cabin is 57 in high, 54 in wide and 12 ft 7 in long. The heated, pressurized baggage area holds 350 lb and is reachable in flight.

## RAISBECK EPIC PACKAGE: WHAT CHANGES

Raisbeck data compares a factory C90GTx with an EPIC-equipped one (ISA, sea level). Takeoff, flaps up: 3,000 ft vs 2,150 ft. Landing with reverse: 2,370 ft vs 1,580 ft. Single-engine climb: 420 fpm vs 525 fpm. Cruise RPM: 1,900 vs 1,750. EPIC raises max takeoff weight to 10,500 lb. These are vendor figures.

## TAKEOFF FIGURE TO QUESTION

The manufacturer sheet gives a 1,984 ft takeoff distance at max takeoff weight. Raisbeck lists 1,980 ft for an EPIC-equipped C90GTx and 3,240 ft for a factory one at max weight. Ask which configuration the sheet figure describes, and check the aircraft's actual prop and strake fit.

## SPECIFICATIONS

|                            |       |
|----------------------------|-------|
| Engine Power Hp            | 550   |
| Max Takeoff Weight Lbs     | 10485 |
| Basic Operating Weight Lbs | 7265  |
| Useful Load Lbs            | 3280  |
| Baggage Capacity Lbs       | 350   |
| Cabin Height In            | 57    |
| Cabin Width In             | 54    |

## PERFORMANCE

|                           |       |
|---------------------------|-------|
| Max Range Nm              | 1260  |
| Max Cruise Speed Kts      | 272   |
| Takeoff Distance Ft       | 1984  |
| Max Operating Altitude Ft | 30000 |

## WEIGHT & BALANCE

|                            |       |
|----------------------------|-------|
| Max Takeoff Weight Lbs     | 10485 |
| Basic Operating Weight Lbs | 7265  |
| Useful Load Lbs            | 3280  |
| Baggage Capacity Lbs       | 350   |

## SAFETY NOTES

- AAIB reported a 2010 C90GTx whose cabin door opened in climb at 1,700 ft, though the handle looked locked. Do every door-lock check on the checklist.
- The manufacturer told the AAIB of only two other in-flight door openings on the King Air 90 series.
- CASA wing-spar fatigue ADs name earlier 90-series models, not the C90GTx. Confirm applicability by serial number and review the spar inspection records.