

BELL 407GX Model Guide

BELL 407GX is a Bell 407-family helicopter. The inputs give no variant-specific performance figures. The 407 family is listed as turboshaft, with up to 7 passengers, up to 310 nm range, up to 115 kt cruise and up to 18500 ft service ceiling. This guide covers the bulletins and kit documents in the inputs. Confirm all performance figures against the flight manual.

KEY TAKEAWAYS

- Family registry data is turboshaft, but the library row says piston. Verify the engine type from the aircraft records.
- Bell TB 407-20-134 fixes an engine torque gauge that over-reads by 1.6%. It is at customer's option.
- Bell TB 407-20-135 modifies the AFCS force trim wiring. It is at customer's option and takes about 24 man-hours.
- An external utility basket carries up to 200 lbs. Check whether one is fitted and its inspection history.

WHAT THE INPUTS SAY ABOUT THE AIRCRAFT

The library row has no specs, seats or years for the BELL 407GX. The 407 family record shows up to 7 passengers, up to 310 nm range, up to 115 kt cruise, up to 2500 kg max takeoff weight and up to 18500 ft ceiling. These are family maxima, not figures for this variant.

BELL TECHNICAL BULLETINS TO CHECK

TB 407-20-134 (7 June 2023) addresses torque over-indication of 1.6% on the 407 GXi. It takes about 24 man-hours with no warranty credit. TB 407-20-135 (16 February 2026) adds force trim power monitoring for the Garmin IAS. Both list affected serial numbers, and later aircraft have the changes done before delivery. Ask for logbook entries showing compliance.

UTILITY BASKET AND INLET FILTER OPTIONS

The Alpine Aerotech utility basket fits 407s with high skid gear. It carries up to 200 lbs in about 525 liters, and the installed kit weighs 110.2421 lbs. It needs inspection every 600 hours or 12 months, and repairs are not permitted. A separate STC covers an inlet barrier filter system. It is serviced as oiled media or dry media, with an optional inducer vent filter.

WEIGHT & BALANCE

Utility Basket Max Load Lbs	200
Utility Basket Installed Weight Lbs	110.2421
Utility Basket Weight Brackets Only Lbs	25.4432

SAFETY NOTES

- Do not exceed the utility basket's 200 lb limit. Load it evenly. Both lid latches must be secure.
- Basket latch striker pull test must read 5.50 to 6.50 lbs. Out-of-range strikers need new lead bumpers, then replacement if still out of range.
- Both Bell bulletins require a logbook entry showing compliance. Missing entries mean the work may not be done.