Gulfstream Aerospace G500 Model Guide

Gulfstream Aerospace G500 is a jet-category aircraft with turbofan propulsion. The registry lists one variant, GVII-G500. The supplied data is thin: it gives no range, speed, seat count or production years. Family-level registry data shows a maximum takeoff weight of up to 36105.95 kg. The only supplied document is a Garmin G500 avionics guide, not an aircraft flight manual.

KEY TAKEAWAYS

- Registry data gives only: jet category, turbofan propulsion, one variant (GVII-G500) and a family-level maximum takeoff weight of up to 36105.95 kg.
- No range, cruise speed, seats, ceiling or production years were supplied. Get them from the aircraft's own flight manual and the seller.
- The supplied document covers the Garmin G500 display system, so do not treat it as this aircraft's manual.
- Check that navigation, terrain and weather databases are current. The guide says pilots using outdated databases do so at their own risk.

WHAT THE DATA COVERS

The registry row names the model as a jet with a turbofan propulsion class and one variant, GVII-G500. The 36105.95 kg figure is the highest maximum takeoff weight across the whole family, not a confirmed figure for a specific airframe. Confirm weights, range and seating against the aircraft's approved documents.

AVIONICS DISPLAY NOTES (IF FITTED)

The Garmin G500 guide describes a GDU 620 unit with two 6.5 inch LCD displays: a primary flight display and a multi-function display. It replaces the traditional flight instrument cluster. The system needs at least one external Garmin WAAS GPS navigator. This guide does not say whether the Gulfstream Aerospace G500 carries this system.

WHAT TO CHECK ON INSPECTION

Ask how navigation, terrain and obstacle databases are kept current. They load from SD cards. The guide says the attitude and heading unit's magnetic model is only updated once every five years, and the system prompts for an update at power-up if it is out of date. Review the maintenance records for these items.

SAFETY NOTES

- The G500 terrain feature is not a primary terrain-avoidance reference and is not certified as a terrain awareness system.
- Exceeding 450 KIAS may invalidate air data information provided to the Garmin G500 display system.
- GPS repeaters in nearby hangars can cause intermittent loss of attitude and heading on the ground. Moving more than 100 feet away should clear it.

AI-aggregated guide for the Gulfstream Aerospace G500 · sources: G500 | Pilot's Guide (#100038) · generated 2026-11-26 · Reference only, not for flight. Check the original documents before relying on this guide.