

Gulfstream Aerospace G280 Model Guide

The Gulfstream Aerospace G280 is a twin-engine turboprop jet. Registry data for the G280 family lists up to 3600 nm range, 459 kt cruise, a 47000 ft ceiling and up to 19 passengers. The one example described in the documents is a 9-passenger Elite cabin aircraft with Honeywell AS907-2-1G engines.

KEY TAKEAWAYS

- Structural limit: no aircraft may be operated beyond 10,000 flight cycles until fatigue testing is complete. The design goal is 20,000 flights.
- Family-level maximums, not this variant's figures: up to 3600 nm range, 459 kt cruise, 47000 ft ceiling, 18000 kg MTOW, up to 19 passengers.
- Sample serial 2059 had 1882.5 hours and 1353 landings at 4/17/2023. Its 96 Month inspection was done in March 2023 by Gulfstream Dallas.
- Ask for AFM Revision 10 or later (9 May 2022) and proof that the required Service Bulletins are incorporated.

AIRWORTHINESS LIMITS AND INSPECTIONS

Structural inspections are counted in flights, not flight hours, with a +5% overfly tolerance. Many items have a 10,000 flight cycle initial inspection and a 5000 flight cycle repeat. Some start at 5000. The schedule assumes most cruise above 25,000 ft on flights longer than one hour.

EXAMPLE AIRCRAFT: SERIAL 2059

Engines are Honeywell AS907-2-1G, with the engines and the Honeywell GTCP36-150 APU on MSP Gold. Avionics are Rockwell Collins Proline Fusion PlaneView 3.6.1. Extras include HUD, EVS, SVS, FANS 1/A, SATCOM and thrust reverser Service Bulletin SB 280 78-30-004. The Elite cabin seats 9.

MANUALS AND APPROVALS

The Airplane Flight Manual is FAA approved under Type Certificate Data Sheet A61NM. CAAI approved it on behalf of EASA. Revision 10 is dated 9 May 2022. This issue is for aircraft with Avionics Suite 3.6 (MOD G25-10032 or SB 280-31-106) and without MOD G25-10044 or SB 280-76-128.

PERFORMANCE

Family Max Range Nm	3600
Family Max Cruise Speed Kt	459
Family Max Service Ceiling Ft	47000

SAFETY NOTES

- Cracks found in any specified inspection must be reported immediately to Israel Aerospace Industries and Gulfstream Aerospace LP.
- Confirm SB 280-57-036, SB 280-57-071, SB 280-30-017 and SB 280-76-111 are incorporated. The type certificate exemptions prohibit operation without them.
- Air taxi, commuter, low-altitude or flights under 30 minutes fall outside the standard schedule. Gulfstream Customer Support must set a special inspection program.