

Gulfstream V or Global Express Design Specification

Purpose: Long range business jet, competitive with the Gulfstream V and the Bombardier Global Express.

Payload: 8 passengers at 175 lb. each plus baggage at 40 lb. per passenger (must have seating for 18 passengers for shorter range flights)

Crew: 2 flight crew at 175 lb. each plus baggage at 30 lb. per crewmember
1 cabin crew at 130 lb. each plus baggage at 30 lb. per crewmember

Range: 6500 n. mi.

Reserve fuel: NBAA Reserves

Cruise altitude: 45,000 ft.

Long range cruise speed: M 0.82

Climb: Direct to 45,000 ft. at maximum takeoff gross weight

Takeoff field length: 5300 ft. at S.L. 59°F at maximum takeoff gross weight

Landing field length: 4000 ft. at maximum landing gross weight

Powerplants: 2 turbofans

Pressurization: 5000 ft. cabin altitude at 45,000 ft. pressure altitude

Certification basis: FAR Part 25

Mission Profile: NBAA Mission (see document "Mission Profiles")