

G550

*IT'S ALL IN **THE DETAILS.***

PERFORMANCE AND TECHNOLOGY

Technology

INNOVATION AT WORK.

Every advanced feature enhances situational awareness, reduces pilot workload and ultimately increases your safety.

THE PLANEVIEW ADVANTAGE

PlaneView is simply the most advanced flight deck in existence because of its display technology, avionics architecture, processing power and its flight management and navigation capabilities. Open architecture provides the capability to easily integrate avionics functions, such as electronic airport charts and video images from external cameras such as the Enhanced Vision System. PlaneView comes standard with a triplex Flight Management System (FMS). In this integrated work environment, flight crews can function at the peak of their skills and training.

Another Gulfstream standard is the Automatic Emergency Descent Mode (EDM). This unique feature provides protection to the crew and passengers in the unlikely event of a cabin depressurization.

CURSOR CONTROL DEVICE

This unique device controls graphical flight planning, menu scrolling and other on-screen features – just as if you were using a mouse on your own computer. It's intuitive, easy-to-use and reduces pilot workload for improved safety.

ENGINES

To power the G550, engineers selected the Rolls-Royce BR710 C4-11 engine. Each of the two turbofan engines generates up to 15,385 pounds (68.4 kN) of thrust, yet performs at noise levels well within Stage 4 noise requirements. Engine emissions are below international regulations – ensuring a warm welcome for you and your aircraft at airports anywhere in the world. Its dual Full Authority Digital Electronic Control (FADEC) system boosts engine reliability by maintaining critical operating parameters. Dual auto throttles manage the engines through all phases of flight and help ensure peak efficiency as well as enhance safety and reliability.

PLANECONNECT

This smart technology automatically transmits information from your aircraft to maintenance operations on the ground – including Gulfstream's Technical Operations center, if desired. By providing information while the G550 is still in flight, PlaneConnect™ enables speedy resolution of any maintenance issues that may arise.

Performance

TIME IS ON YOUR SIDE

With its ultra-long-range capability and short-range efficiency, the G550 proves its time-saving abilities with ease. The world's most remote destinations lie well within its nonstop range, and worldwide city pairs are never more than a single refueling stop away. Because of its large, efficient wing and powerful engines, there is simply no sacrifice in performance, even under hot and high-elevation conditions.

HOW FAR CAN YOU GO?

Fly eight passengers almost 15 hours covering up to 6,750* nautical miles (12,501 km) at a cruise speed of Mach 0.80. For shorter trips, fly up to the maximum speed of Mach 0.885 – that's more than 580 miles per hour (930 km/hr).

TAKEOFF

Even on ultra-long-range flights, take off from runways half as long as those required by commercial airlines. With a G550, you can operate from smaller, less congested airports that are often closer to your home or office, resulting in a more pleasant overall trip.

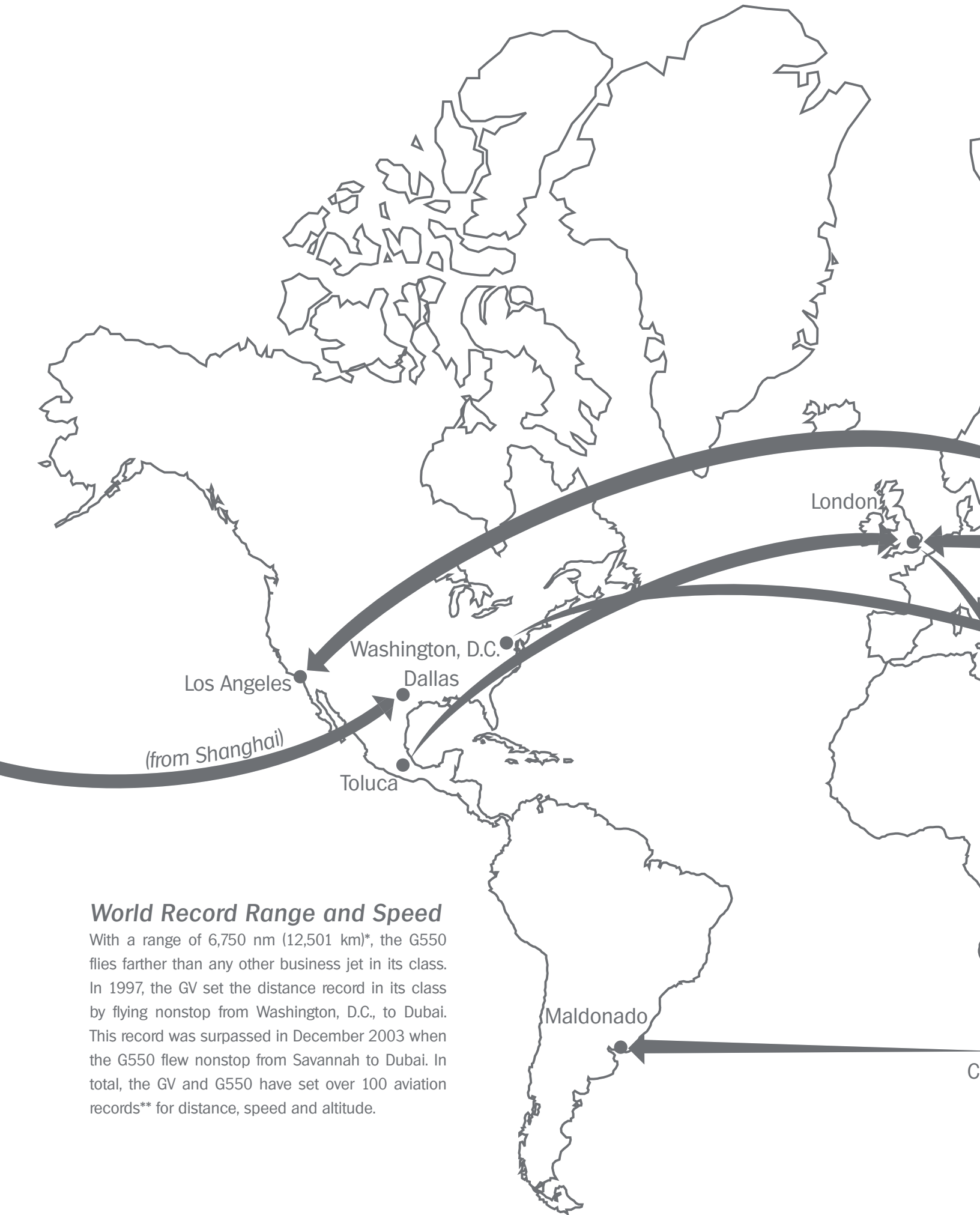
ALTITUDE

You'll reach the initial cruise altitude of 41,000 feet (12,497 m) in approximately 20 minutes. At maximum altitude of 51,000 feet (15,545 m), cruise high over the uncertainties of weather and busy commercial traffic for more direct routes and reduced flight times.

CARRYING CAPACITY

With the most payload carrying capability in its class, the G550 soars far beyond other business jets. You'll reach more than 6,000* nautical miles (11,112 km) carrying up to 18 passengers (3,600 lb/1,633 kg)**. That's enough range to fly from Beijing to Sydney.

*NBAA IFR theoretical range. Actual range will be affected by ATC routing, operating speed, weather, outfitting options and other factors. **Stated weights are based on theoretical standard outfitting configurations. Actual weights will be affected by outfitting options and other factors.

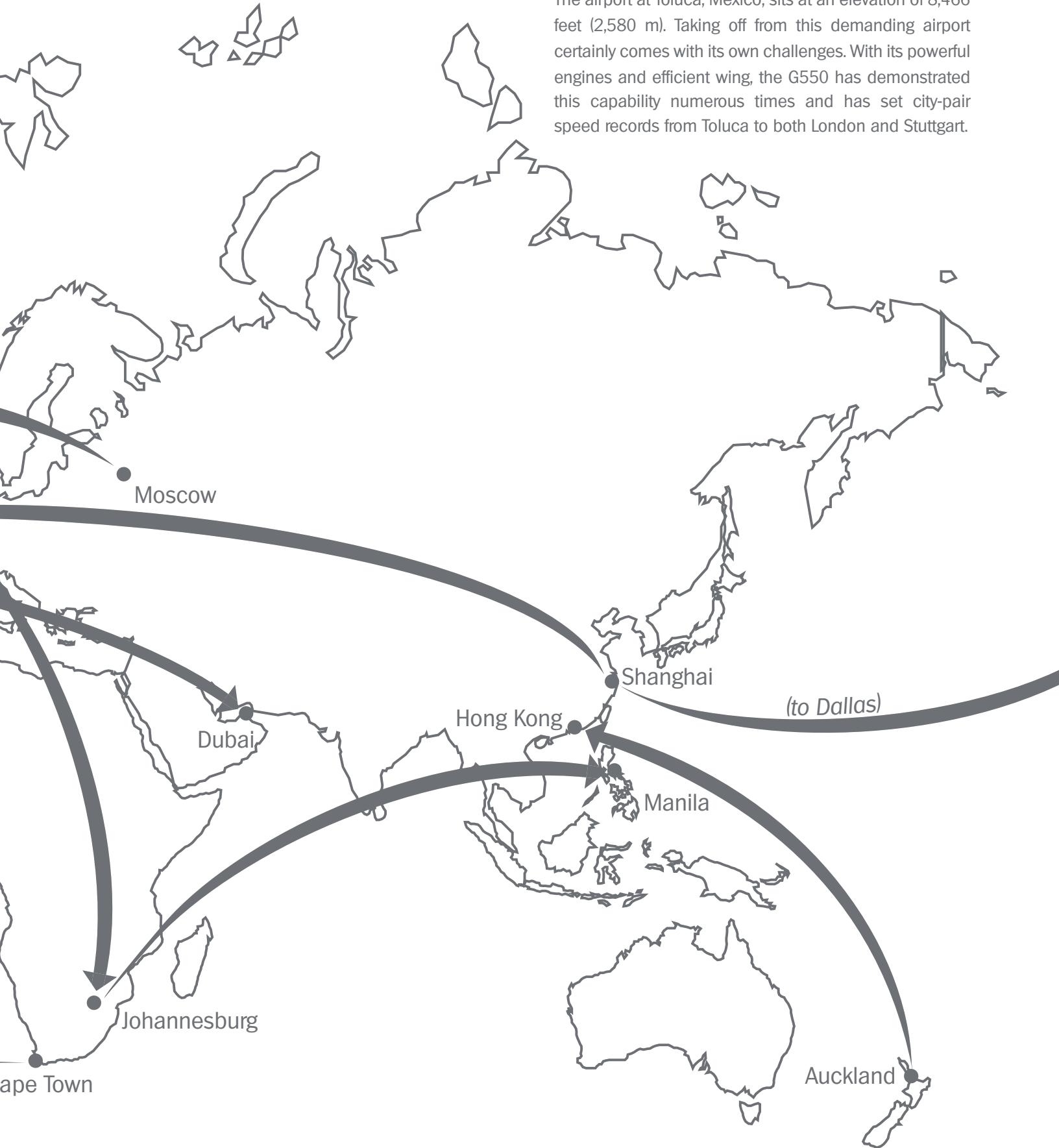


World Record Range and Speed

With a range of 6,750 nm (12,501 km)*, the G550 flies farther than any other business jet in its class. In 1997, the GV set the distance record in its class by flying nonstop from Washington, D.C., to Dubai. This record was surpassed in December 2003 when the G550 flew nonstop from Savannah to Dubai. In total, the GV and G550 have set over 100 aviation records** for distance, speed and altitude.

Remarkable Takeoff

The airport at Toluca, Mexico, sits at an elevation of 8,466 feet (2,580 m). Taking off from this demanding airport certainly comes with its own challenges. With its powerful engines and efficient wing, the G550 has demonstrated this capability numerous times and has set city-pair speed records from Toluca to both London and Stuttgart.



*NBAA IFR theoretical range. Actual range will be affected by ATC routing, operating speed, weather, outfitting options and other factors.
**City pair connections shown are actual world record flights flown by the GV and G550.

Specifications

PERFORMANCE

Maximum Range* <i>(Mach 0.80, 8 passengers, 4 crew and NBAA IFR reserves)</i>	6,750 nm / 12,501 km
Normal Cruise Speed	Mach 0.80 / 459 ktas / 850 km/h
High-Speed Cruise	Mach 0.87 / 500 ktas / 926 km/h
Mmo <i>(Maximum Operating Mach Number)</i>	Mach 0.885
Takeoff Distance (SL, ISA, MTOW)	5,910 ft / 1,801 m
Landing Distance (SL, ISA, MLW)	2,770 ft / 844 m
Initial Cruise Altitude	41,000 ft / 12,497 m
Maximum Cruise Altitude	51,000 ft / 15,545 m

WEIGHTS

Maximum Takeoff Weight	91,000 lb / 41,277 kg
Maximum Landing Weight	75,300 lb / 34,156 kg
Maximum Zero Fuel Weight	54,500 lb / 24,721 kg
Basic Operating Weight** <i>(including 4 crew)</i>	48,300 lb / 21,909 kg
Maximum Payload**	6,200 lb / 2,812 kg
Payload with Maximum Fuel **	1,800 lb / 816 kg
Maximum Fuel Weight	41,300 lb / 18,733 kg

DESIGN STANDARDS

Avionics	Gulfstream PlaneView®
Engines	Two Rolls-Royce BR710 C4-11
Rated Takeoff Thrust <i>(each)</i>	15,385 lb / 68.4 kN
Passengers: Maximum	19
Typical Outfitting	14 – 18

INTERIOR

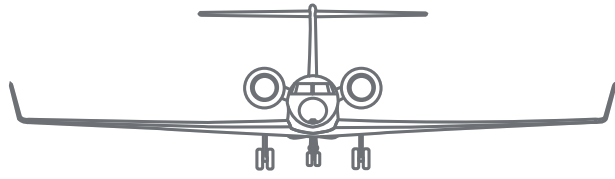
Total Interior Length	50 ft 1 in / 15.27 m
Cabin Length <i>(excluding baggage)</i>	43 ft 11 in / 13.39 m
Cabin Height	6 ft 2 in / 1.88 m
Cabin Width	7 ft 4 in / 2.24 m
Cabin Volume	1,669 cu ft / 47.26 cu m
Baggage Compartment Volume	226 cu ft / 6.40 cu m

COMFORT

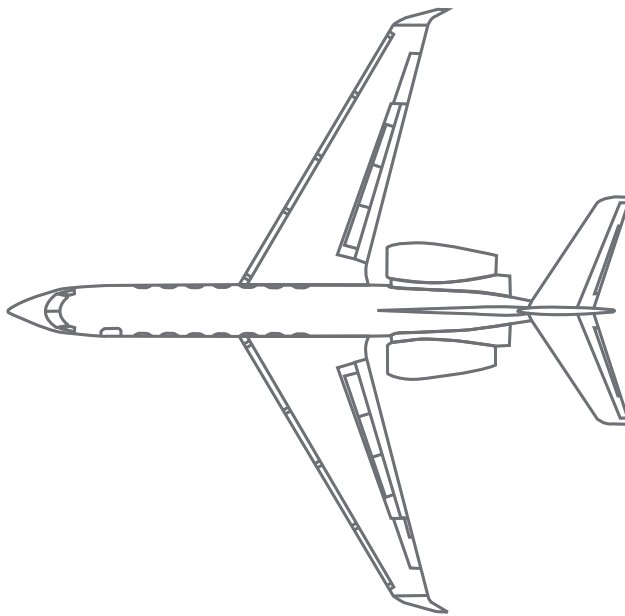
14 Gulfstream Signature Oval Windows
Forward or Aft Galley
Forward and Aft Lavatory
12 Select Floor Plans or Tailored Floor Plan

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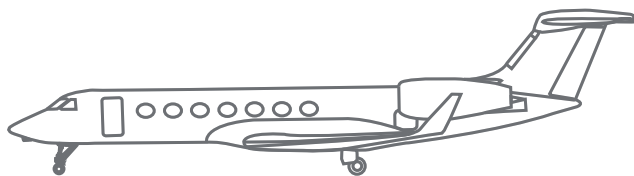
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93 ft 6 in/28.50 m



96 ft 5 in/29.39 m



25 ft 10 in/7.87 m



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