

G650

*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 II ADVANTAGE

The exclusive PlaneView® II cockpit greatly improves the pilot's situational awareness and enhances the overall safety and performance of the aircraft. The G650 cockpit is comprehensively equipped with a triplex Flight Management System, Automatic Emergency Descent Mode, new Standby Multi-Function Controllers and a new 3-D Weather Radar.

Gulfstream continues to lead the industry with advanced systems including the Enhanced Vision System II, Synthetic Vision–Primary Flight Display and an LCD Head-Up Display with improved capability, all standard on the G650.

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.

ADVANCED FLIGHT CONTROLS

The advanced flight controls of the G650 ensure consistent handling qualities for a more comfortable ride as well as flight envelope protection for improved safety. With a three-axis, fly-by-wire system for outstanding safety, redundancy and maintainability as well as a built-in backup flight control system, the G650 will be one of the most advanced and safest business aircraft flying.

ENGINES

Two Rolls-Royce BR725 engines, each with up to 16,100 pounds (71.6 kN) of thrust, power the G650. Utilizing the latest, swept fan technology with a high bypass ratio, these advanced engines will offer better fuel efficiency than ever before. The BR725 will also be more environmentally friendly with lower emissions and quieter noise levels – better than the latest Stage 4 noise limits. Another advantage is the 10,000-hour time between overhaul (TBO) with no mid-life inspection required. This will ultimately help to lower operating costs and improve the availability of your aircraft.

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 G650 is still in flight, PlaneConnect enables speedy resolution of any maintenance issues that may arise.

Performance

FASTER AND FARTHER

The G650 will fly faster and farther than any other purpose-built business jet flying today. 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. With a maximum operating speed of Mach 0.925, it will be the fastest civil aircraft in the world, providing greater time savings over any other business jet flying today.

HOW FAR CAN YOU GO?

Fly eight passengers more than 14.5 hours, covering 7,000* nautical miles (12,964 km) at a cruise speed of Mach 0.85. At a high speed cruise of Mach 0.90, the G650 will reach 5,000* nautical miles (9,260 km). The maximum speed of the G650 is Mach 0.925 – that's more than 610 miles per hour (980 km/hr).

TAKEOFF

Even on ultra-long-range flights, take off from runways half as long as those required by commercial airliners. With a new, advanced wing and powerful engines, the G650 can operate from smaller, less congested airports that are often closer to your home or office, resulting in a more pleasant overall trip.

ALTITUDE

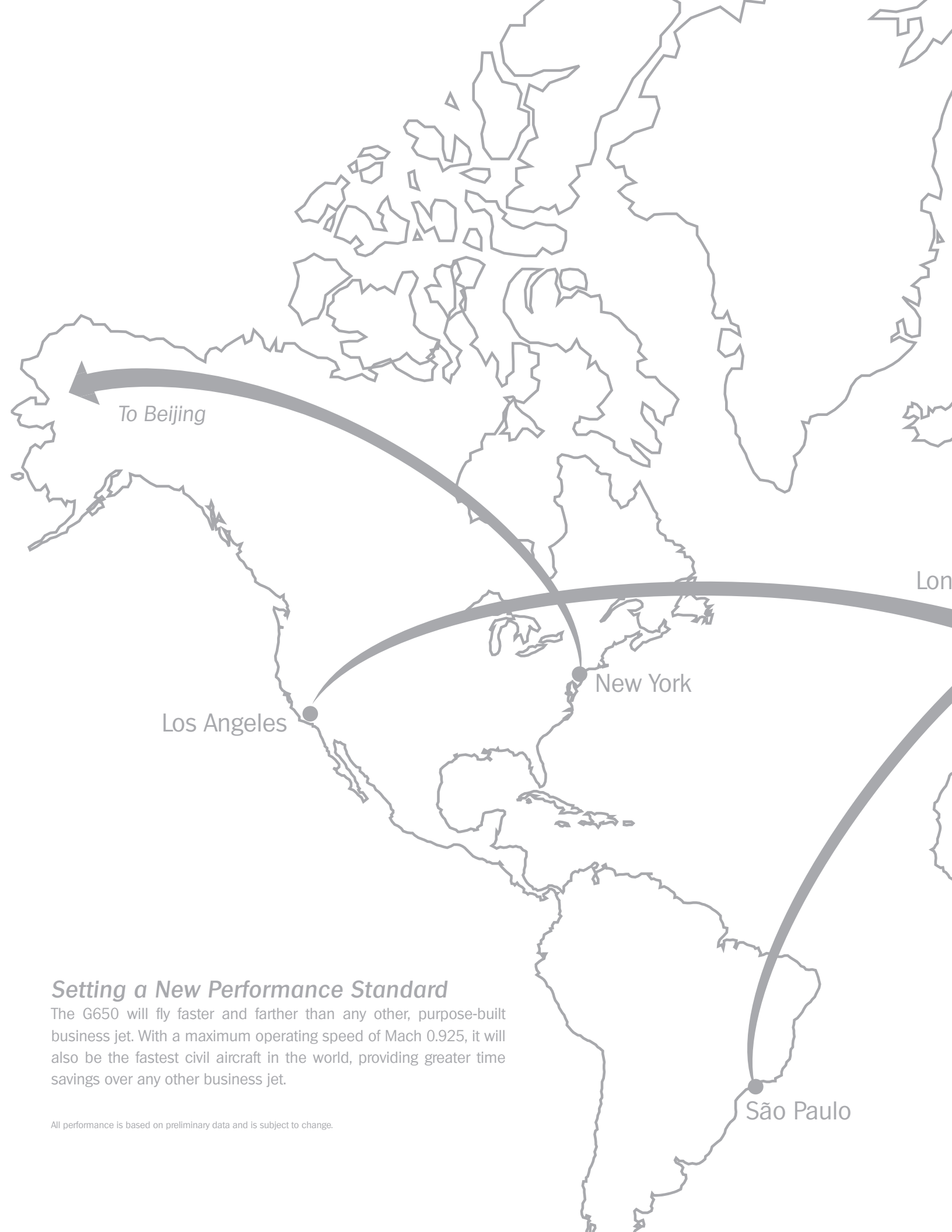
You'll reach the initial cruise altitude of 41,000 feet (12,497 m) in less than 25 minutes. At maximum altitude of 51,000 feet (15,545 m), cruise high over the uncertainties of weather and busy commercial traffic for more direct routes and reduced flight times.

CARRYING CAPACITY

The G650 will soar far beyond other business jets with an outstanding payload carrying capability. You'll reach more than 6,500* nautical miles (12,038 km) carrying up to 18 passengers (3,600 lb / 1,633 kg)**. That's enough range to fly from New York to Dubai***.

*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. ***Theoretical mission analysis departing at maximum takeoff weight with 18 passengers, Mach 0.85 cruise speed, ISA day conditions, 85% annual winds and landing with a minimum of NBAA IFR fuel reserves. Actual performance will be affected by ATC routing, operating speed, weather, outfitting options and other factors.

All performance is based on preliminary data and is subject to change.



To Beijing

Los Angeles

New York

Lon

São Paulo

Setting a New Performance Standard

The G650 will fly faster and farther than any other, purpose-built business jet. With a maximum operating speed of Mach 0.925, it will also be the fastest civil aircraft in the world, providing greater time savings over any other business jet.

All performance is based on preliminary data and is subject to change.



**City pair connections based on 8 passengers, Mach 0.85, 85% annual winds and NBAA IFR fuel reserves. Actual performance will be affected by ATC routing, operating speeds, weather, outfitting options and other factors.

Specifications

PERFORMANCE

Maximum Range* <i>(Mach 0.85, 8 passengers, 4 crew and NBAA IFR reserves)</i>	7,000 nm / 12,964 km
Long-Range Cruise Speed	Mach 0.85 / 488 ktas / 904 km/h
High-Speed Cruise	Mach 0.90 / 516 ktas / 956 km/h
Mmo <i>(Maximum Operating Mach Number)</i>	Mach 0.925
Takeoff Distance (SL, ISA, MTOW)	6,000 ft / 1,829 m
Landing Distance (SL, ISA, MLW)	3,000 ft / 914 m
Initial Cruise Altitude	41,000 ft / 12,497 m
Maximum Cruise Altitude	51,000 ft / 15,545 m

WEIGHTS

Maximum Takeoff Weight	99,600 lb / 45,178 kg
Maximum Landing Weight	83,500 lb / 37,875 kg
Maximum Zero Fuel Weight	60,500 lb / 27,442 kg
Basic Operating Weight** <i>(including 4 crew)</i>	54,000 lb / 24,494 kg
Maximum Payload**	6,500 lb / 2,948 kg
Payload with Maximum Fuel**	1,800 lb / 816 kg
Maximum Fuel Weight	44,200 lb / 20,049 kg

DESIGN STANDARDS

Avionics	Gulfstream PlaneView® II
Engines	Two Rolls-Royce BR725 A1-12
Rated Takeoff Thrust <i>(each)</i>	16,100 lb / 71.6 kN
Passengers: Typical Outfitting	11–18

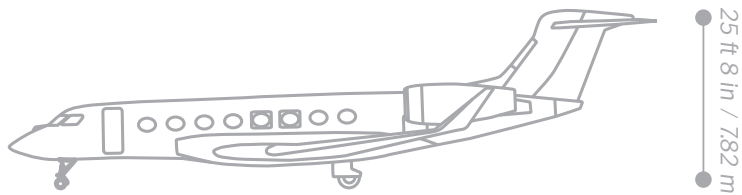
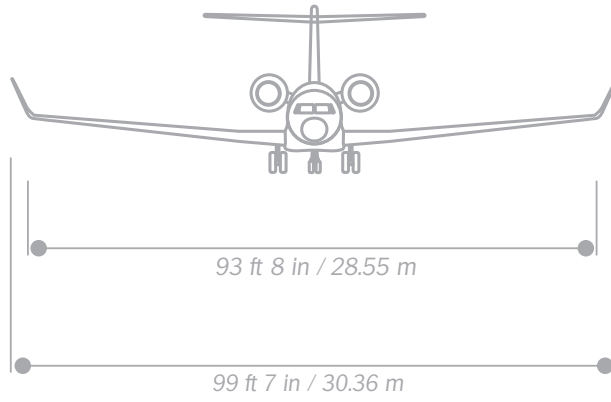
INTERIOR

Total Interior Length	53 ft 7 in / 16.33 m
Cabin Length <i>(excluding baggage)</i>	46 ft 10 in / 14.27 m
Cabin Height	6 ft 5 in / 1.95 m
Cabin Width	8 ft 6 in / 2.59 m
Cabin Volume	2,138 cu ft / 60.54 cu m
Baggage Compartment Volume	195 cu ft / 5.52 cu m

COMFORT

16 Large Gulfstream Panoramic Windows
Forward or Aft Galley
Forward and Aft Lavatories
12 Select Floor Plans or Tailored Floor Plan

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