

# G280

*IT'S ALL IN THE DETAILS.*

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PERFORMANCE AND TECHNOLOGY

# Technology

## INNOVATION AT WORK.

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*Every advanced feature has been carefully pursued to reduce pilot workload and improve situational awareness.*

### THE PLANEVIEW280™ ADVANTAGE

The PlaneView280 cockpit is the most advanced flight deck in its class, providing the very latest in avionics functions such as interactive navigation, electronic airport charts, video images and graphical weather. PlaneView280 immensely improves pilot workload, situational awareness, safety and overall performance with every flight. From its adaptive flight displays and intuitive Cursor Control Device interface to its high-resolution synoptic pages, the PlaneView280 cockpit is beyond advanced.

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.

### ENGINE

Honeywell HTF7250G engines offer an excellent combination of performance, reliability and maintainability. The G280's twin turbofans each provide 7,445 pounds (33 kN) of thrust yet are environmentally friendly with lower emissions and quieter sound levels that meet Stage 4 noise regulations. Auto throttles are standard equipment and manage the engines through all phases of flight to ensure peak efficiency and enhance safety and reliability.

### AUTO BRAKING

The G280's brake-by-wire system includes auto braking – the only aircraft in its class to have this advanced safety feature. Auto braking enhances safety and reduces pilot workload when landing at short runways or in the event of a rejected takeoff. During normal landings, auto braking improves passenger comfort and reduces brake wear for lower operating costs.

# Performance

## TIME IS ON YOUR SIDE.

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With its long-range capability and short-range efficiency, the G280 proves its time-saving abilities with ease. The world's most remote destinations lie well within its nonstop range, and world-wide city pairs are often just a single refueling stop away.

### HOW FAR CAN YOU GO?

Fly four passengers more than 7.5 hours covering up to 3,400\* nautical miles (6,297 km) at a cruise speed of Mach 0.80. Reach top speeds of up to Mach 0.85 – that's over 560 miles per hour (900 km/h).

### TAKEOFF

The G280 is versatile enough to get you where you need to go. Excellent airfield performance allows you to operate from smaller, less busy airfields and arrive closer to your final destination. And, with its new, advanced wing, airframe and powerful engines, there is simply no sacrifice in performance even under hot and high-elevation conditions.

### ALTITUDE

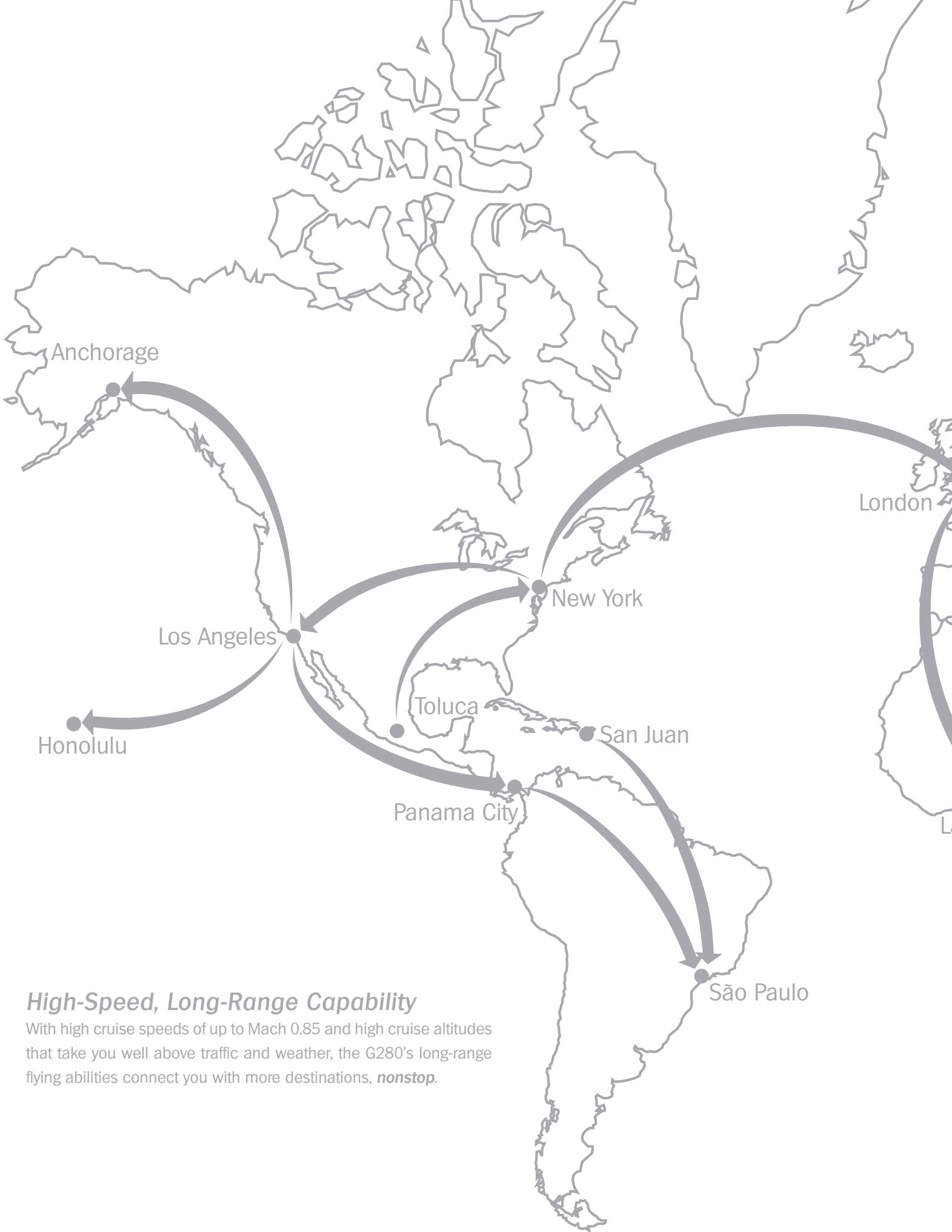
You'll reach initial altitude of 41,000 feet (12,497 m) in less than 20 minutes. At maximum altitude of up to 45,000 feet (13,716 m), cruise high over the uncertainties of weather and busy commercial traffic for more direct routes and reduced flight times.

### CARRYING CAPACITY

The G280 soars far beyond other business jets with the most payload carrying capability in its class. You'll reach 3,000 nautical miles (5,556 km) carrying approximately 2,200 pounds (1,000 kg)\*\*. That's enough range to carry 10 passengers from California to Hawaii\*\*\*.

\*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 10 passengers, Mach 0.80 cruise speed, ISA day conditions, 85% annual winds and land with fuel in excess of NBAA IFR fuel reserves. Actual performance will be affected by ATC routing, operating speed, weather, outfitting options and other factors.

Performance is based on preliminary data and is subject to change.



### **High-Speed, Long-Range Capability**

With high cruise speeds of up to Mach 0.85 and high cruise altitudes that take you well above traffic and weather, the G280's long-range flying abilities connect you with more destinations, **nonstop**.

\*City pairs based on 0.80 Mach cruise speed, four passengers, 85% annual winds and NBAA IFR fuel reserves. Actual performance will be affected by ATC routing, operating speeds, weather, outfitting options and other factors. Performance is based on preliminary data and is subject to change.



### ***Remarkable Takeoff***

With its new, efficient wing and powerful engines, the G280 has excellent takeoff performance from short runways or from challenging hot and high airports. Departing Toluca, Mexico, at an elevation of 8,466 feet (2,580 m) at a 30°C / 86°F departure temperature, the G280 can easily reach New York nonstop\*.

# Specifications

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## PERFORMANCE

Maximum Range* <i>(Mach 0.80, 4 passengers, 2 crew and NBAA IFR reserves)</i>	3,400 nm / 6,300 km
Long-Range Cruise Speed	Mach 0.80 / 459 ktas / 850 km/h
Normal Cruise Speed	Mach 0.84 / 482 ktas / 893 km/h
Mmo <i>(Maximum Operating Mach Number)</i>	Mach 0.85
Takeoff Distance (SL, ISA, MTOW)	4,960 ft / 1,512 m
Landing Distance (SL, ISA, MLW)	3,180 ft / 969 m
Initial Cruise Altitude	41,000 ft / 12,497 m
Maximum Cruise Altitude	45,000 ft / 13,716 m

## WEIGHTS

Maximum Takeoff Weight	39,600 lb / 17,962 kg
Maximum Landing Weight	32,700 lb / 14,832 kg
Maximum Zero Fuel Weight	28,200 lb / 12,791 kg
Basic Operating Weight** <i>(including 2 crew)</i>	24,150 lb / 10,954 kg
Maximum Payload**	4,050 lb / 1,837 kg
Payload with Maximum Fuel**	1,000 lb / 454 kg
Maximum Fuel Weight	14,600 lb / 6,622 kg

## DESIGN STANDARDS

Avionics	Gulfstream PlaneView280™
Engines	Two Honeywell HTF7250G
Rated Takeoff Thrust <i>(each)</i>	7,445 lb / 33 kN
Passengers: Typical Outfitting	8–10

## INTERIOR

Total Interior Length	32 ft 3 in / 9.83 m
Cabin Length <i>(excluding baggage)</i>	25 ft 10 in / 7.87 m
Cabin Height	6 ft 3 in / 1.91 m
Cabin Width	7 ft 2 in / 2.18 m
Cabin Volume	935 cu ft / 26.5 cu m
Baggage Compartment Volume <i>(Internal &amp; External)</i>	154 cu ft / 4.4 cu m

## COMFORT

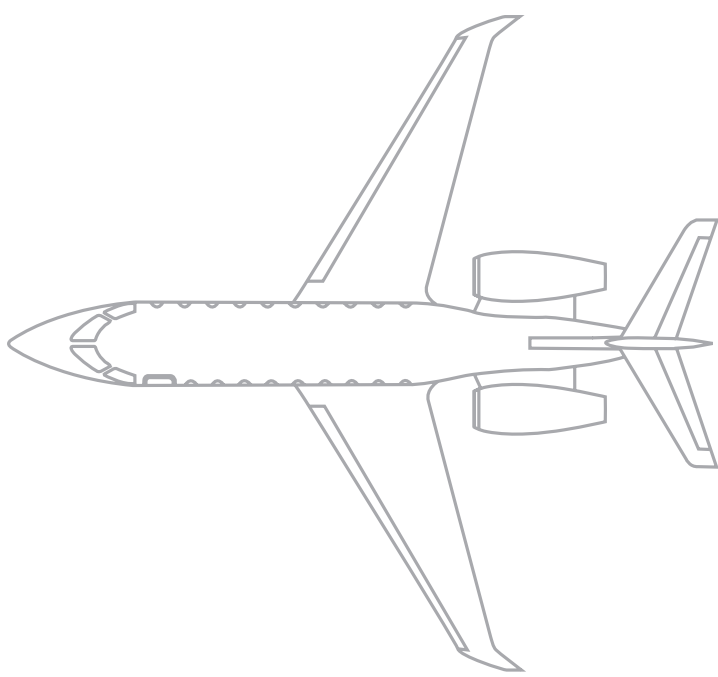
19 Large Oval Windows  
Forward Galley  
Aft Lavatory  
Three Select Floorplans

\*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.



63 ft 0 in / 19.20 m



66 ft 10 in / 20.37 m



21 ft 4 in / 6.50 m



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