



LEGACY® 650
BY EMBRAER



◀ INNOVATION

The Legacy 650 makes every journey effortless for both passengers and crew. With the innovative Honeywell Primus Elite™ avionics suite, this jet is a pilot's dream. And for passengers we've added all the business, entertainment and relaxation tools for the ultimate flight experience.

◀ COMFORT

The Legacy 650 has the largest cabin – with three distinct zones – the largest galley and largest lavatory in its class. Every convenience has been considered. That's why the class-leading baggage compartment is fully accessible during flight, making sure you always have everything you need, or want.

◀ ERGONOMICS

The Legacy 650's highly intuitive cabin management system takes the in-flight experience to the next level. Its seamless connectivity, high definition capabilities and integrated Apple TV create the best possible on-board passenger experience.

◀ PERFORMANCE

The Legacy 650 is a jet that works as hard as you do. It has outstanding capability in hot or high destinations. Not to mention a 99.8% dispatch reliability over 21 million flight hours, creating one of the best man-hour to flight-hour ratios in the large category.



◀ REDEFINING THE LARGE CATEGORY

PROVEN PLATFORM

LEARN MORE ABOUT LEGACY 650
TECHNOLOGY ONLINE

CLICK HERE

◀ TRAVEL IN ABSOLUTE COMFORT

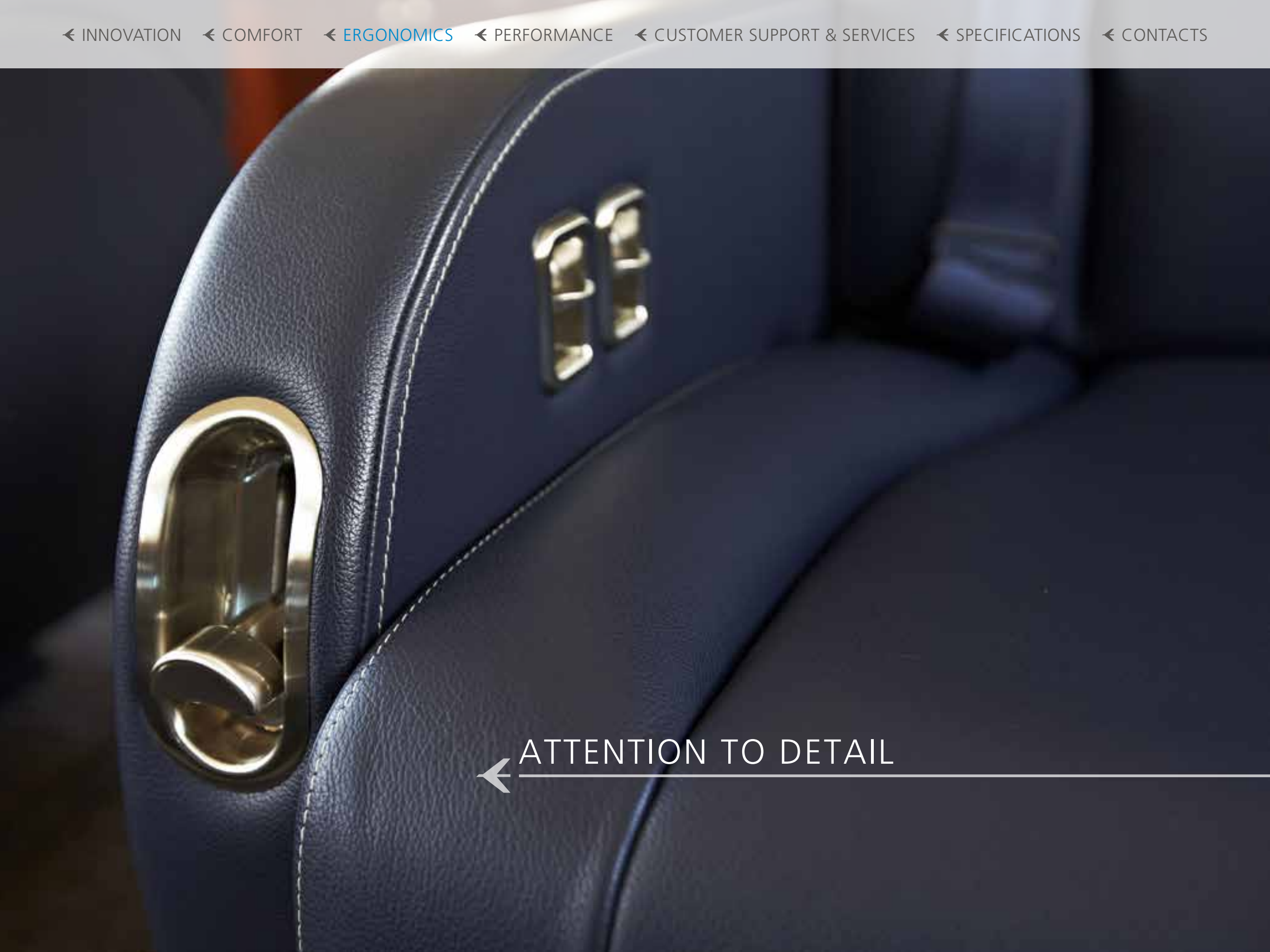




◀ SPACE BY DESIGN

LEARN MORE ABOUT LEGACY 650 COMFORT ONLINE

[CLICK HERE](#)



◀ ATTENTION TO DETAIL

◀ INTUITIVE CONTROL



LEARN MORE ABOUT LEGACY 650 ERGONOMICS ONLINE

[CLICK HERE](#)

◀ AN OUTSTANDING PERFORMER





◀ RELIABILITY DEFINED

LEARN MORE ABOUT LEGACY 650 PERFORMANCE ONLINE

[CLICK HERE](#)

◀ AT YOUR SERVICE



Global distribution of Embraer Executive Jets owned and authorized service centers

◀ EMBRAER EXECUTIVE JETS OWNED SERVICE CENTER ● AUTHORIZED SERVICE CENTER ★ PARTS DISTRIBUTION CENTER

[VIEW EMBRAER EXECUTIVE JETS SERVICE CENTER NETWORK ONLINE](#)

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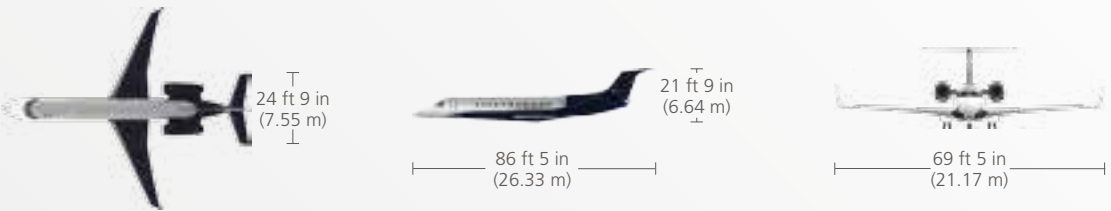
LEGACY® 650

BY EMBRAER

With the largest galley, lavatory and baggage compartment in its class, the quiet, three-zone cabin of the Legacy 650 allows you to work, dine or rest in complete comfort.

PERFORMANCE DATA

Range @ 4 pax (LRC, NBAA IFR res.)	3,900 nm / 7,223 km
Range @ 8 pax (LRC, NBAA IFR res.)	3,840 nm / 7,112 km
Normal Speed Cruise	M 0.78
Maximum Operating Speed	M 0.80
TOFL (MTOW, SL, ISA)	5,741 ft / 1,750 m
Unfactored Landing Distance (Typical LW, SL, ISA)	2,842 ft / 866 m
Maximum Payload	4,939 lb / 2,240 kg
Maximum Operating Altitude	41,000 ft / 12,497 m
Propulsion	Rolls-Royce AE 3007 A2
Engine Thrust / Flat Rating	9,020 lbf / ISA + 15°C
Avionics	Honeywell Primus Elite™
Total Baggage Capacity	286 cu.ft / 8.1 cu.m
Seating Capacity (crew + standard pax / max pax)	2 / 3 + 13 / 14



AVIONICS – HONEYWELL PRIMUS ELITE™

- Outstanding operational flexibility in:
 - Busy airspace
 - Terrain-challenged airports
 - Poor weather conditions
 - Five 8" x 7" LCD Displays + CCD
 - Charts and maps capability
 - Coupled VNAV
 - RNP 0.3
 - Data loader 1000 with SD card and USB ports
 - XM weather capability (US only)
 - WAAS / LPV
 - SmartRunway™ / SmartLanding™ (RAAS)
 - FANS 1/A CPDLC + Datalink Recorder
- Central Maintenance Computer (CMC)
 - Dual Integrated Computers
 - Dual FMS / GPS
 - Dual Inertial Reference System (IRS)
 - Dual RVSM-compliant ADC
 - CAT I and CAT II autopilot / flight director
 - Integrated Stand-by Instruments System (ISIS)
 - Electronic Flight Bag – CMC PilotView Class II
- Some features are optional. The EFBs are optional items.

SUPERIOR HONEYWELL OVATION SELECT™ CABIN MANAGEMENT SYSTEM

- Full HD system with surround sound
- Blu-ray player and auxiliary inputs for HDMI, VGA, composite and USB interfaces. Up to two iPod / iPhone docking stations
- Choices of full HD LCD, up to 24" plus 9" individual monitors for seating positions
- XM Radio with 4 independent channels (US only)
- JetMap® high-resolution 3D moving map
- Touchscreen PCUs at each seat
- Media Center for 3rd cabin zone

BRIGHT CABIN WITH LARGE WINDOWS OPTIMALLY
PLACED FOR EACH SEATING POSITION

SPACIOUS AND FULLY EQUIPPED GALLEY

- Cold and hot water, ice drawer
- Refrigerator or wine chiller
- Coffee brewer or espresso machine
- Convection oven, microwave oven
- Touchscreen monitor for master control of cabin systems
- Spacious enough for long, intercontinental flights



FULLY BERTHING SEATS

WIDE SELECTION OF VENEERS,
FABRIC AND LEATHER OPTIONS

- Wet areas available with stone flooring

LARGEST LAVATORY IN ITS CLASS

- Full-width lavatory with ample closet space
- Vanity unit with sink – hot and cold water
- Optional forward lavatory (externally serviced)

LARGEST IN-FLIGHT ACCESSIBLE
BAGGAGE COMPARTMENT IN
CATEGORY 240 FT³ (6.8 M³)

IN-FLIGHT PHONE SYSTEM

- Worldwide coverage
- Up to three handsets (including one cordless)
- New Iridium system (wireless phone handsets)

VOICE AND CONNECTIVITY

- Swift Broadband high-speed data
- Up to 432 kbps transfer rate
- Cabin Wi-Fi

COMFORT BEYOND YOUR EXPECTATIONS

- Largest cabin in the large class
- Low cabin noise
- Three spacious cabin zones

ENGINES: ROLLS-ROYCE AE 3007A2

- Designed for fuel efficiency, high reliability and maintainability
- Dual-channel FADEC
- Intelligent health monitoring and diagnosis
- 9,020 lbf of maximum thrust per engine
- ISA +15°C flat rating
- On-condition maintenance

EXTERNALLY SERVICED LAVATORIES

- Both aft and optional forward lavatory feature external servicing

AUXILIARY POWER UNIT (APU)

- Sundstrand APS 500R with reduced noise levels (silencer)

ELECTRICAL SYSTEM

- Four primary DC generators (12KVA each)
- One 12 KVA APU (Auxiliary Power Unit) generator
- Two logic controllers provide automatic system control, protection and load shedding, thus reducing pilot workload

THRUST REVERSERS

ICE PROTECTION

- Integrated bleed air system
- Supplies hot air to engines inlet, wings and horizontal stabilizer leading edge
- Unrestricted operation into icing conditions

FUEL SYSTEM

- Automatic control with electromechanical valves
- Simplified refueling with automatic fuel distribution between tanks
- Refueling can begin immediately after the airplane's electrical power up
- Single pre-check fuel button

BRAKES

- Brake-by-wire system with anti-skid protection and temperature monitoring

PROVEN TECHNOLOGY WITH A MATURE CORE

- Intercontinental range
- Designed for reliability and high utilization
- Over 21 million platform hours
- Excellent hot and high performance
- Steep approach capability





TETERBORO



LONDON



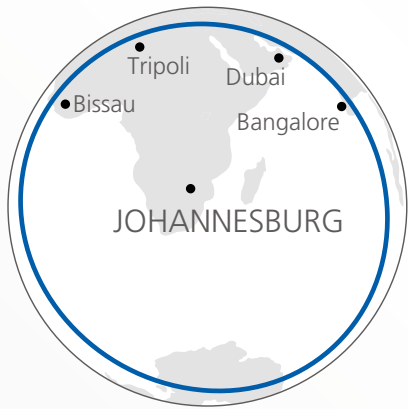
MOSCOW



BEIJING



SÃO PAULO



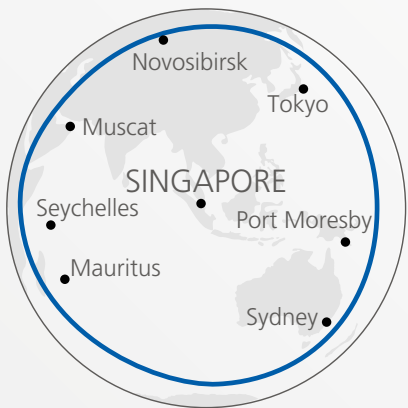
JOHANNESBURG



DUBAI



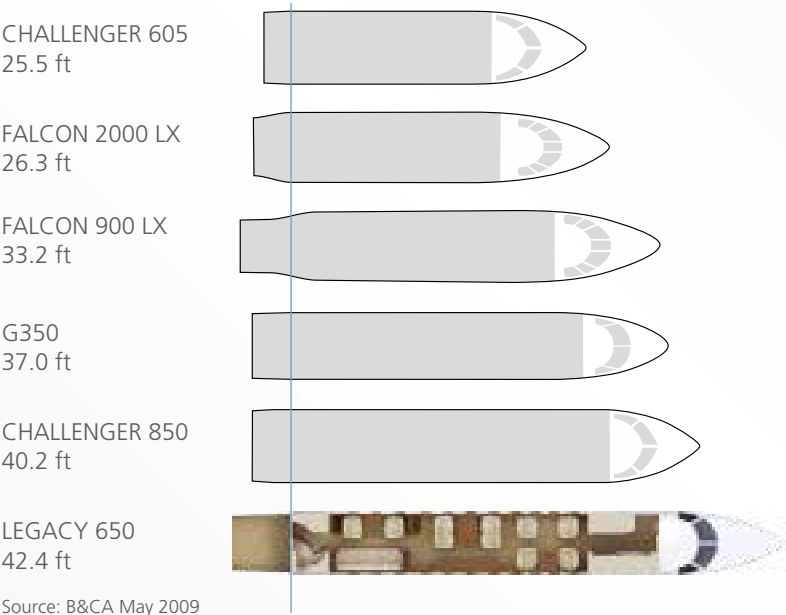
MUMBAI



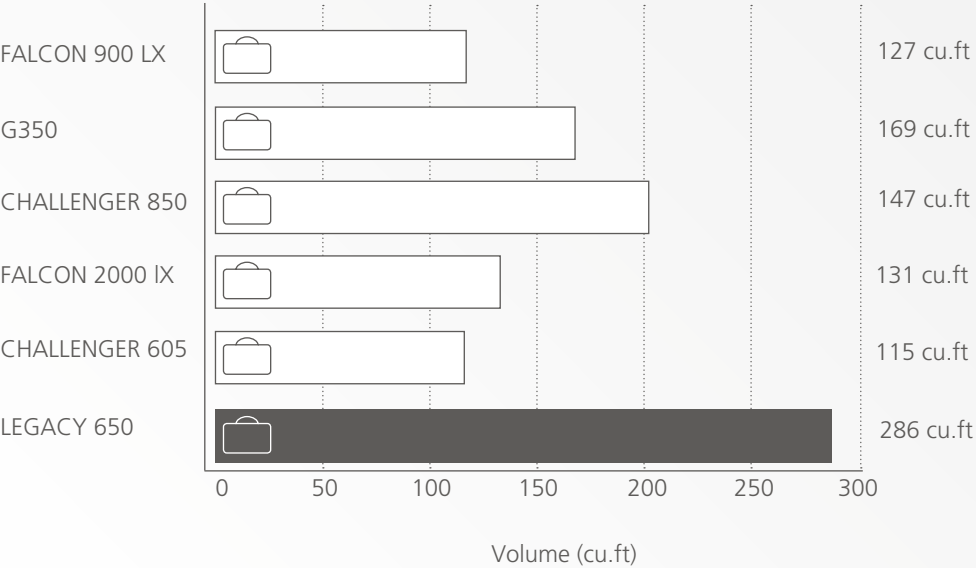
SINGAPORE

← RANGE

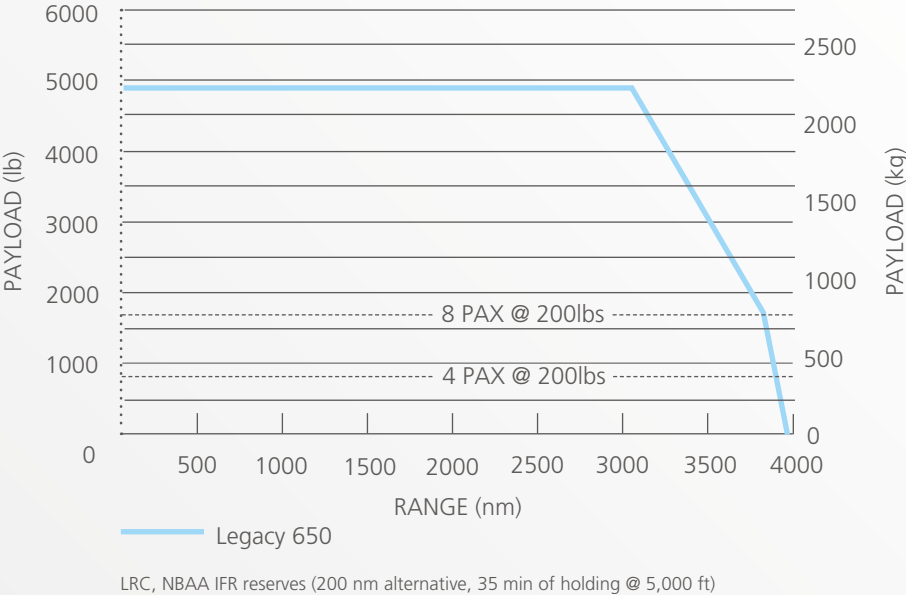
CABIN LENGTH



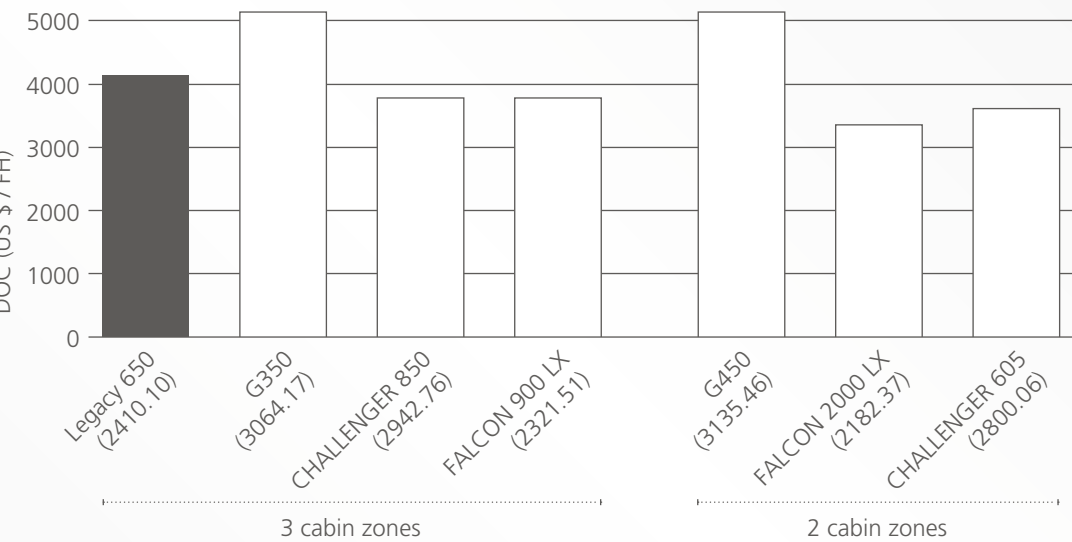
BAGGAGE VOLUME



PAYLOAD VS. RANGE



DIRECT OPERATING COST (DOC)



SEE THE DIFFERENCE

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