

LEGACY® 450
BY EMBRAER



← INNOVATION

The Legacy 450 is the first jet in its class to replace conventional controls with full fly-by-wire technology. An innovative side-stick control and synthetic vision system also ensure pilots and passengers won't find a smoother flight.

← COMFORT

The Legacy 450 defies every definition of a mid-light jet. It has the largest cabin in its class and is the first to market with a 6 ft. tall cabin and flat floor not to mention two fully berthable club seat options that recline flat to create beds.

← ERGONOMICS

This jet is a flawless union of technology and design. The very latest in user-friendly features complement the Legacy 450's stylish and comfortable interior perfectly. Optimally placed windows and ergonomic seating are only the start.

← PERFORMANCE

With a high speed cruise of Mach 0.82, the Legacy 450 is the fastest mid-light jet in the air. It's also capable of taking-off and landing on shorter runways, giving you more access to more airports around the world.

← GOING ABOVE AND BEYOND



← CLASS LEADING INNOVATION



LEARN MORE ABOUT LEGACY 450 TECHNOLOGY ONLINE [CLICK HERE](#)

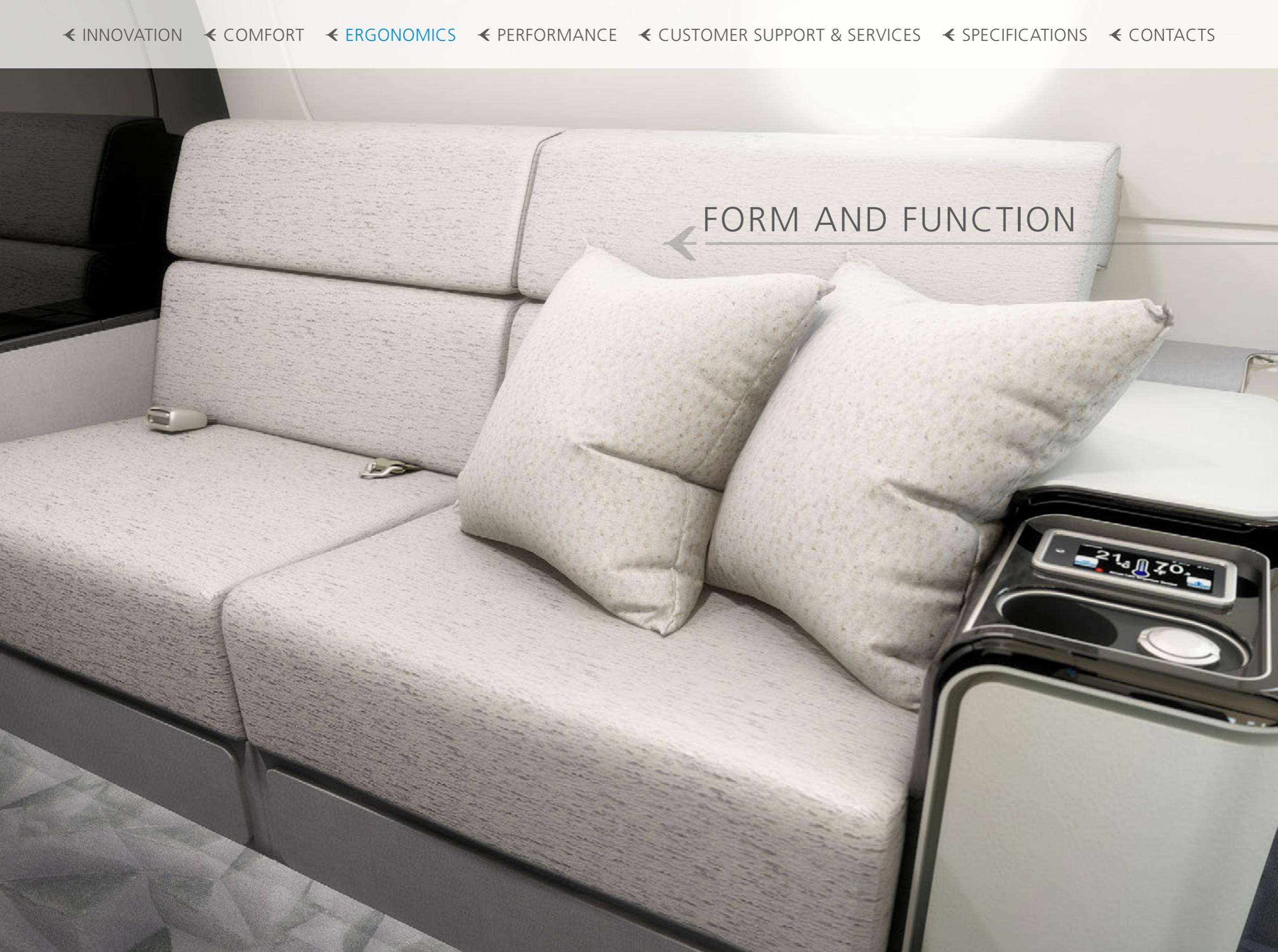


← SPACE TO EXPLORE

PERSONALIZED CONVENIENCE

LEARN MORE ABOUT LEGACY 450 COMFORT ONLINE

[CLICK HERE](#)



← FORM AND FUNCTION



← CLASS LEADING PERFORMANCE

← COMFORT ENHANCING PERFORMANCE



LEARN MORE ABOUT
LEGACY 450 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](#)

[CLICK HERE](#)

LEGACY® 450

BY EMBRAER

Ergonomics and craftsmanship, combined with new levels of style and technology, are at the heart of the new Legacy 450. This jet will move you in more ways than you could ever imagine.

PERFORMANCE DATA

Range (LRC, 4 pax and NBAA IFR reserves with 200 nm alternate airport)	2,500 nm / 4,630 km
Range (M 0.80, 6 pax, NBAA IFR reserves with 200 nm alternate airport)	2,300 nm / 4,260 km
High Speed Cruise	M 0.82
MMO	M 0.83
TOFL (MTOW, SL, ISA)	4,000 ft / 1,219 m
Unfactored Landing Distance (LW with 4 pax @ 200 lb each, NBAA IFR reserves, SL, ISA)	2,300 ft / 701 m
Maximum Payload	2,800 lb / 1,270 kg
Maximum Operating Altitude	45,000 ft / 13,716 m
Propulsion	Honeywell HTF7500E
Engine Thrust / Flat Rating	6,080 lbf / ISA + 15°C
Avionics	Rockwell Collins Pro Line Fusion®
Total Baggage Capacity	150 cu.ft / 4.24 cu.m
Seating Configuration (Crew + Standard Pax / Max Pax):	2 + 7 / 9



AVIONICS – ROCKWELL COLLINS PRO LINE FUSION®

Flight Deck

- Full fly-by-wire side-stick control
- Dark and quiet philosophy
- Clean cockpit design with controls optimally placed for efficiency

Rockwell Collins Pro Line Fusion®

- State-of-the-art avionics, with superior capabilities and functionalities
- Four 15.1" high-resolution displays
- Synthetic Vision System (SVS)
- VNAV, autothrottle, RNP 0.3, WAAS LPV
- Graphical flight planning
- Charts and maps
- Takeoff/landing data
- Electronic flight operations publications
- MultiScan™ Weather Radar
- Surface Management System
- Onboard central maintenance computer

Optional E²VS (Embraer Enhanced Vision System)

- Combines new compact Head-up Display (HUD) and the latest in Enhanced Video System (EVS) technology
- Improves operational capability down to CAT II minimums
- Compact HUD HGS-3500:
 - Does not require a projector
 - HUD capabilities with a fraction of weight and size
 - Capable of displaying SVS, EVS and future vision technologies
- Enhanced Vision System EVS-3000:
 - Detects all types of runway lighting, including LED
 - Uncooled system, much lighter than previous technologies

Some features are optional. Some features may be available only after Type Certification.

VOICE AND CONNECTIVITY

- Wide range of platforms: Inmarsat, Aircell or Iridium®
- Onboard Wi-Fi high speed internet
- Onboard satellite phone

TWO FULLY FLAT BERTHABLE SEATING POSITIONS

OPTIONAL DRY/WET GALLEY

- Great storage capacity and ample work surface
- Cold and hot water, 4 gallons (15L) of potable water
- Options to fully equip with microwave, oven, refrigerator and Nespresso®
- Optional crystal, china and silverware sets can be perfectly stored with galley inserts
- High-power outlets 115V or 220V
- Stone flooring and stone countertop available

BRIGHT CABIN WITH THE LARGEST WINDOWS IN ITS CLASS

- Optimally placed for each seating position

LAVATORY

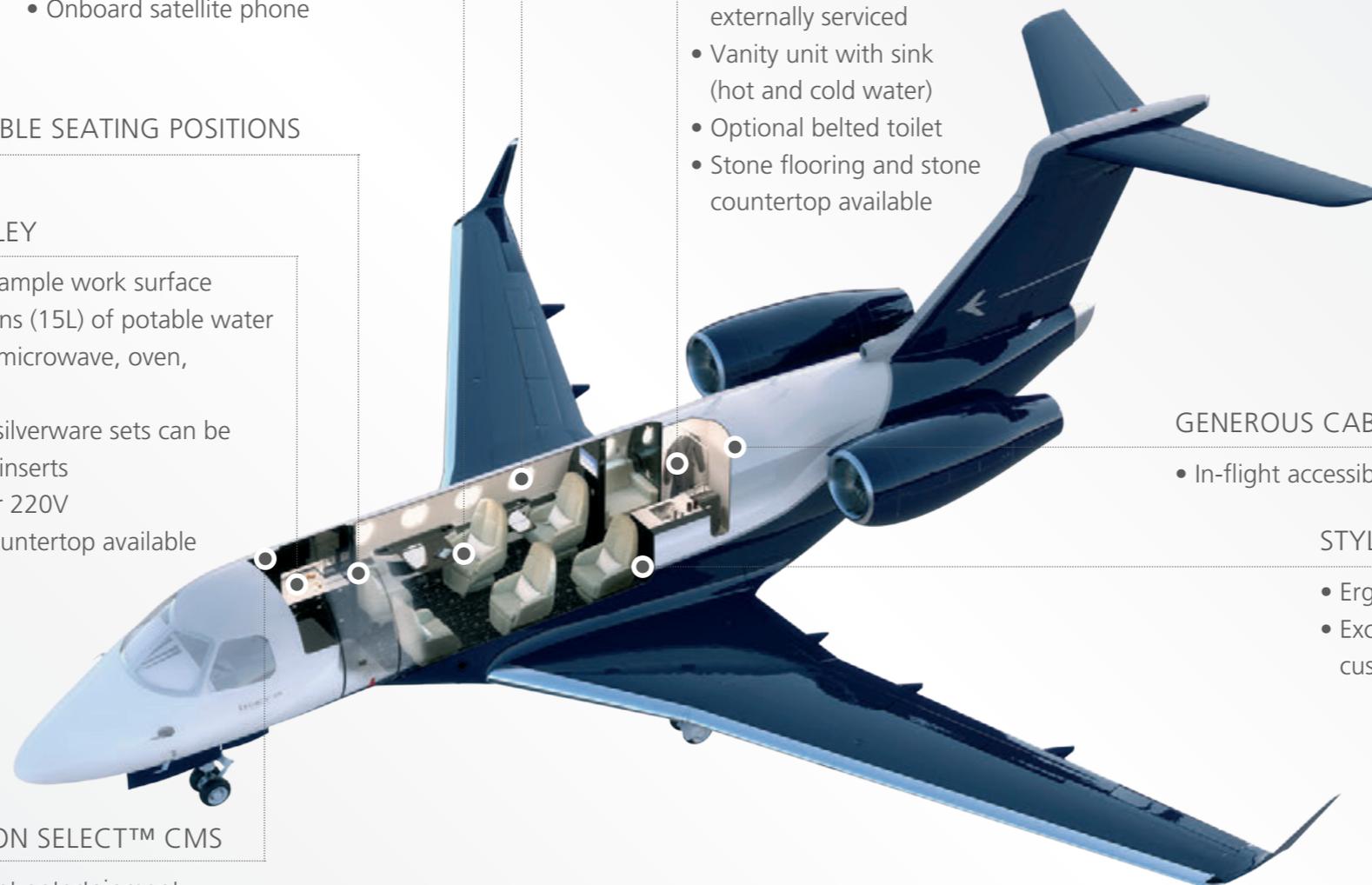
- Standard vacuum toilet, externally serviced
- Vanity unit with sink (hot and cold water)
- Optional belted toilet
- Stone flooring and stone countertop available

GENEROUS CABIN STORAGE

- In-flight accessible stowage

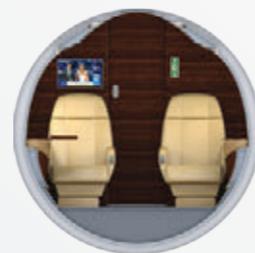
STYLE AND DESIGN

- Ergonomic design for enhanced comfort
- Exceptional interior finishing with areas of customized personalization



HONEYWELL OVATION SELECT™ CMS

- High definition in-flight entertainment
- Cabin management system
- Individual touchscreen and wireless iPad/iPhone controls
- Fully integrated audio and video distribution
- Blu-ray players and high definition media inputs, such as HDMI and USB ports
- Two 17.5" or 19" full HD displays plus 9" individual monitors for seating positions



CROSS SECTION

- Six-foot cabin height with flat floor
- More space than any competitor jet in its class
- Best cabin pressure in the segment (6,000 ft max)

6 ft
(1.82 m)

6 ft 10 in
(2.08 m)



ENGINES

- Honeywell HTF7500E
- Designed for fuel efficiency, high reliability and maintainability
- Dual-channel FADEC
- 6080 lbf of thrust per engine
- ISA + 15°C flat rating
- On-condition maintenance

LARGEST BAGGAGE COMPARTMENT IN ITS CATEGORY

- 110 ft³ (3.11 m³)
- Externally accessible and heated as an option

EXTERNALLY SERVICED LAVATORY

- More convenience and faster turnaround time

SINGLE POINT REFUELING

- Faster turnaround time
- Single person refueling without the need for another person in the cockpit
- Also allows for automatic defueling

SmartProbe™

- Replaces AOA sensor, pitot and static port with one part
- Data processing done at the probe
- More accurate and easier to maintain
 - No pneumatic tubing, pressure lag and checks
- Externally replaceable

AUXILIARY POWER UNIT (APU)

- Honeywell 36-150 APU
- Quickly starts engines, reducing engine wear
- Replaceable without tail cone removal
- Oil level check also available in the cockpit

FULL AIR STAIR WITH HANDRAIL

BRAKES

- Brake-by-wire with anti skid protection
- Carbon brakes – NuCarb technology for less weight and longer life
- Temperature monitoring available in the cockpit

FULL FLY-BY-WIRE FLIGHT CONTROLS

- Smoother flight
- Complete envelope protection in all phases of flight
- Reduces crew workload and increases pilot control
- Reduces weight, maintenance and spare parts

DESIGN FOR MAINTENANCE

- Clean-sheet design for high utilization
- MSG-3 maintenance philosophy
 - Lower maintenance burden
 - Longest maintenance intervals in its class



LOS ANGELES



GENEVA



RIYADH



SÃO PAULO



ATLANTA



JAKARTA



CROSS SECTION

LEGACY 450



CITATION XLS+



LEARJET 70/75



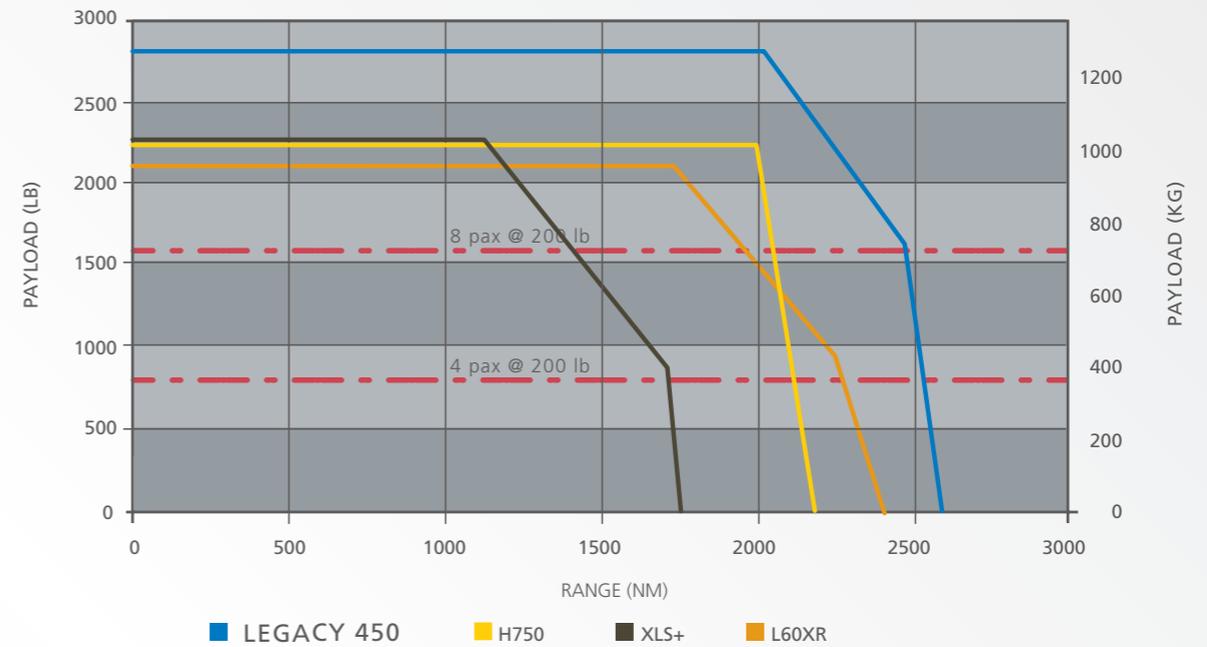
LATITUDE



The interior configuration of the Legacy 450 provides more space than any competitor jet in its class. Not only is it taller, it is also wider for total comfort when passengers are seated or walking around.

— mid-light jet comparisons

PAYLOAD VS RANGE



LRC, ISA, NBAA res. 200 nm alternate, 2 pilots @ 200 – Source: B&CA Purchase Planning Handbook.

← SEE THE DIFFERENCE

INTERIOR CONFIGURATION

Standard configuration seats seven passengers, with the ability to increase capacity to nine with the options shown below.

WET GALLEY OPTION



2 PLACE DIVAN OPTION



OTHER OPTIONS



7th seat in place of divan or galley



Belted toilet

Not all options shown may be available at type certificate.

← SPACE THAT WORKS FOR YOU

LATIN AMERICA

Tel.: +55 11 3469 4121

Fax: +55 12 3927 8468

U.S., CANADA & CARIBBEAN

Tel.: +1 954 359 5387

Fax: +1 954 359 4724

EUROPE, CIS & AFRICA

Tel.: +44 1252 379 270

Fax: +44 1252 379 271

MIDDLE EAST

Tel.: +9714 428 0682

Fax: +9714 428 0681

ASIA PACIFIC

Tel.: +65 6734 4321

Fax: +65 6734 8255

CHINA

Tel.: +86 10 6598 9988

Fax: +86 10 6598 9986

EmbraerExecutiveJets.com