
LEGACY® 500
BY EMBRAER
EMBRAER
Executive Jets









INNOVATION

The Legacy 500 is the new definition of midsize jets. It's designed to break the mold with its advanced technology and avionics to give you a flight experience like no other. Fly-by-wire controls and the advanced Rockwell Collins Pro Line Fusion™ platform put pilots in complete control.

COMFORT

At 6 ft. tall and 6 ft. 10 in. wide, the cabin of the Legacy 500 is the largest in its class. With a fully-equipped galley, excellent connectivity and in-flight entertainment, and the finest attention to comfort details, relaxing is effortless.

ERGONOMICS

Optimally placed windows, ergonomic seating and cabin technology designed to work with you, create total elegance in the cabin. In the cockpit, a side-stick control and full fly-by-wire flight control system deliver the smoothest flight for both pilots and passengers.

PERFORMANCE

The Legacy 500 is the only midsize jet that can carry eight travellers so far. Flying the US coast-to-coast mission at Mach 0.80, even against 99% of annual winds, and still land with NBAA IFR fuel reserves, is only the start.

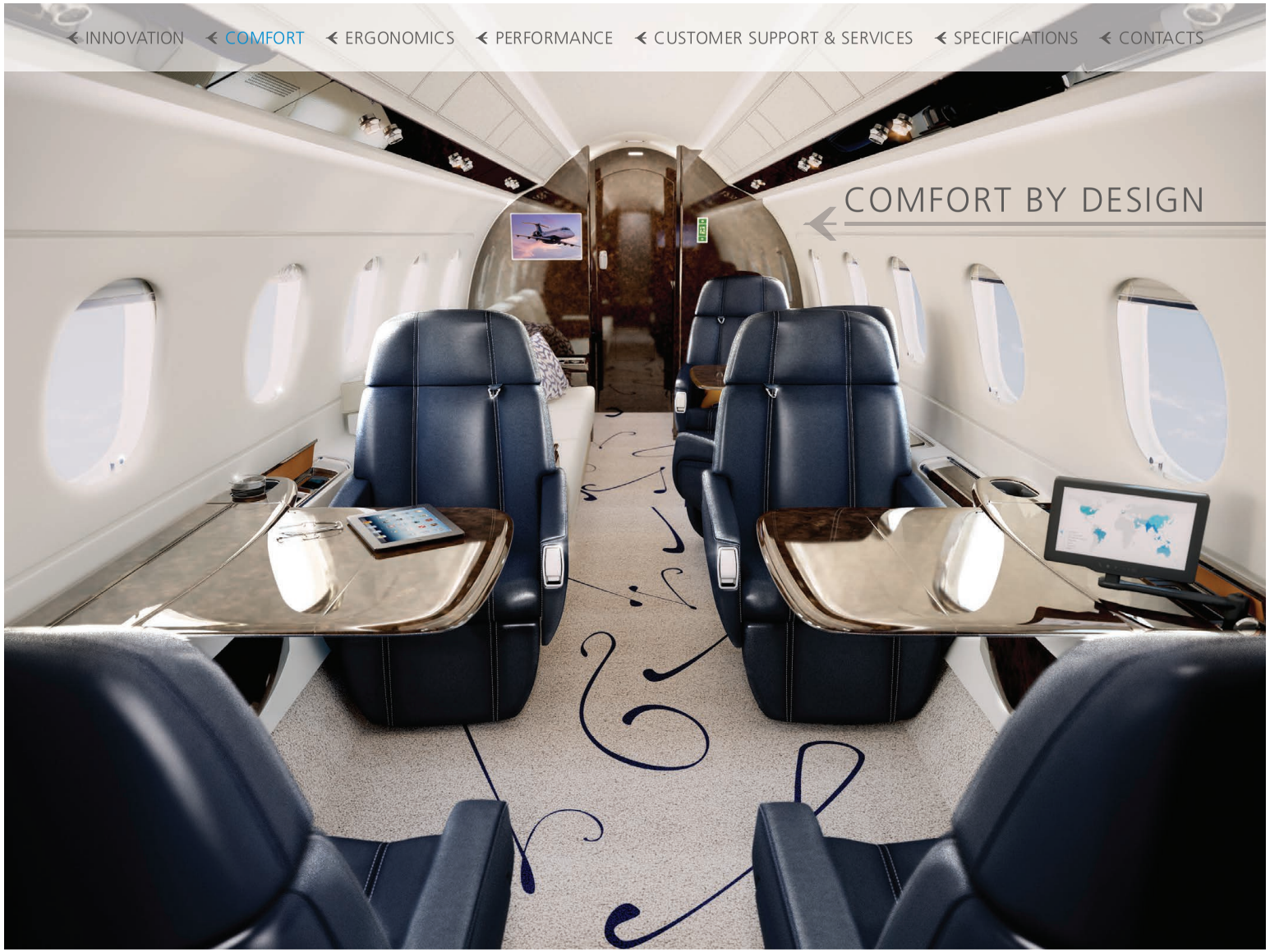
REDEFINING THE MIDSIZE CATEGORY





CLASS LEADING INNOVATION

LEARN MORE ABOUT LEGACY 500 TECHNOLOGY ONLINE CLICK HERE

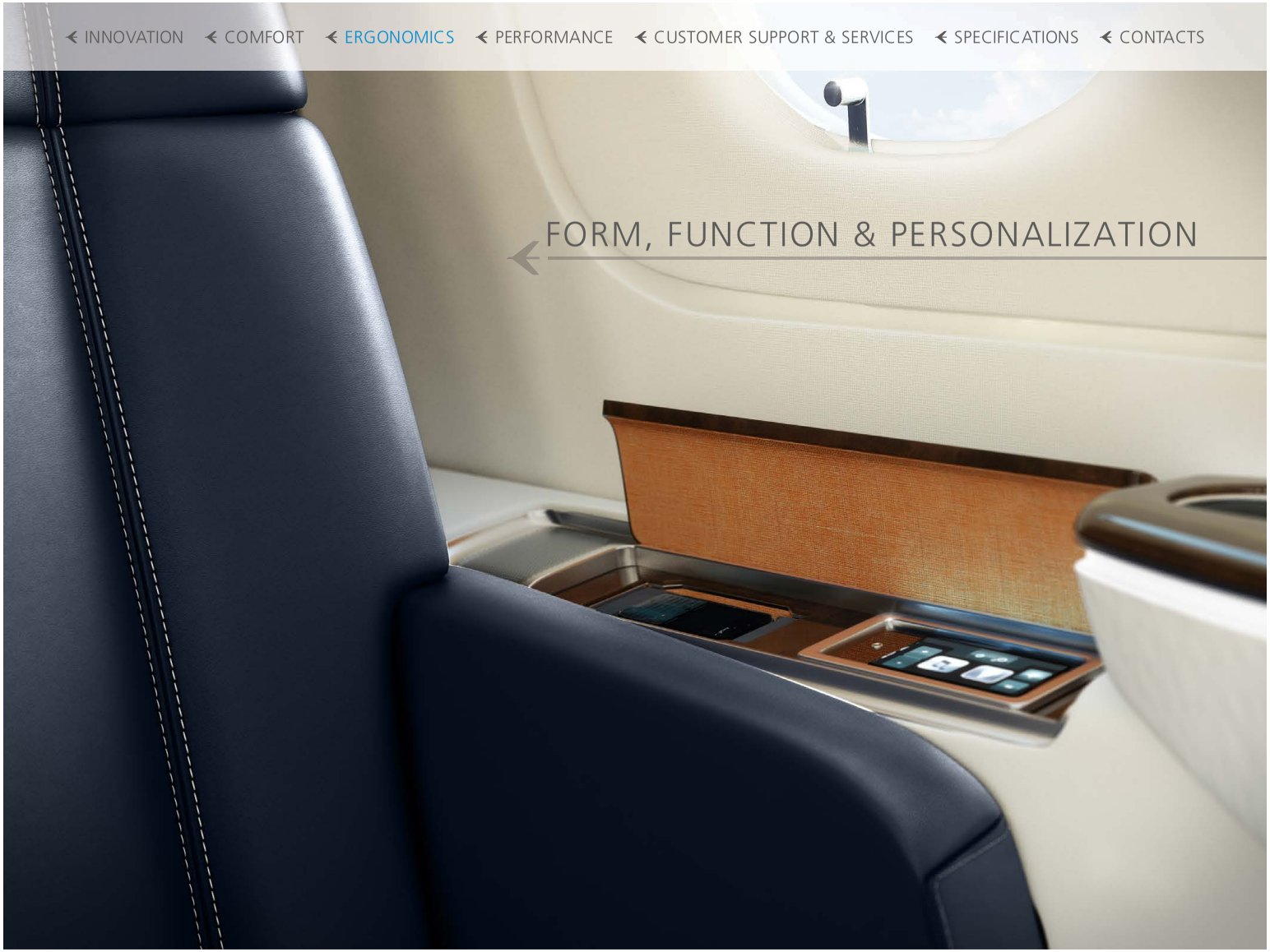


COMFORT BY DESIGN

A FRESH APPROACH



LEARN MORE ABOUT LEGACY 500 COMFORT ONLINE CLICK HERE



FORM, FUNCTION & PERSONALIZATION



CLASS LEADING PERFORMANCE

COMFORT ENHANCING PERFORMANCE



LEARN MORE ABOUT
LEGACY 500 PERFORMANCE ONLINE

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LEGACY® 500
BY EMBRAER

We designed the new Legacy 500 with innovation as our guide. This new level of style, luxury and technology combine to create the ultimate travel experience.

PERFORMANCE DATA

Range (LRC, 4 pax and NBAA IFR reserves with 200 nm alternate airport)	3,125 nm / 5,788 km
Range (M 0.80, 8 pax, NBAA IFR reserves with 200 nm alternate airport)	2,948 nm / 5,460 km
High Speed Cruise	466 kt / 863 km/h
MMO	M 0.83
Take-off Distance (MTOW, SL, ISA)	4,084 ft / 1,245 m
Unfactored Landing Distance (LW with 4 pax @ 200 lb each, NBAA IFR reserves, SL, ISA)	2,122 ft / 647 m
Maximum Payload	2,800 lb / 1,270 kg
Maximum Operating Altitude	45,000 ft / 13,716 m
Propulsion	Honeywell HTF7500E
Engines Thrust / Flat Rating	7,036 lbf / ISA + 18ºC
Avionics	Rockwell Collins Pro Line Fusion®
Total Baggage and Stowage Volume	155 cu.ft / 4.39 cu.m
Seating Configuration (Crew + Standard Pax / Max Pax):	2 + 8 / 12

Information above is for baseline aircraft





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
- Take-off/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

BRIGHT CABIN WITH THE LARGEST WINDOWS IN ITS CLASS

- Optimally placed for each seating position

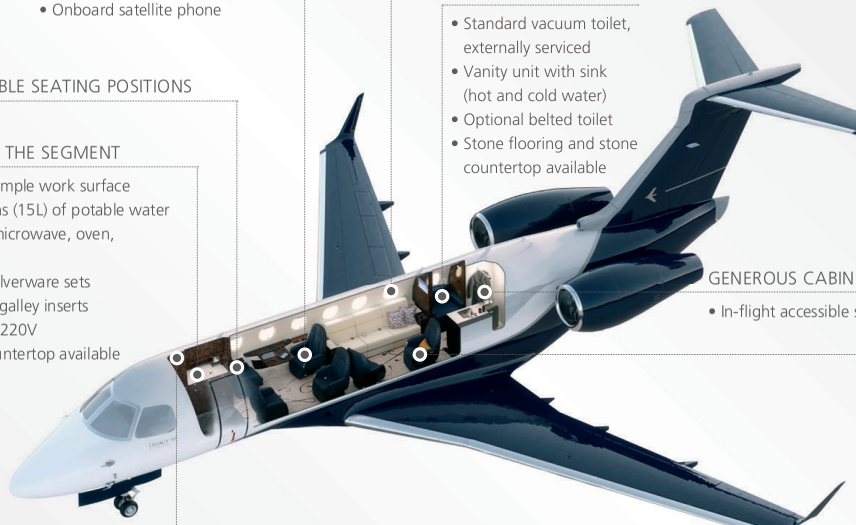
LAVATORY

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

FOUR FULLY FLAT BERTHABLE SEATING POSITIONS

THE ONLY WET GALLEY IN THE SEGMENT

- 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



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)

ENGINES

- Honeywell HTF7500E
- Designed for fuel efficiency, high reliability and maintainability
- Dual-channel FADEC
- 7036 lbf of thrust per engine
- ISA + 18°C flat rating
- On-condition maintenance

LARGEST BAGGAGE COMPARTMENT IN ITS CATEGORY

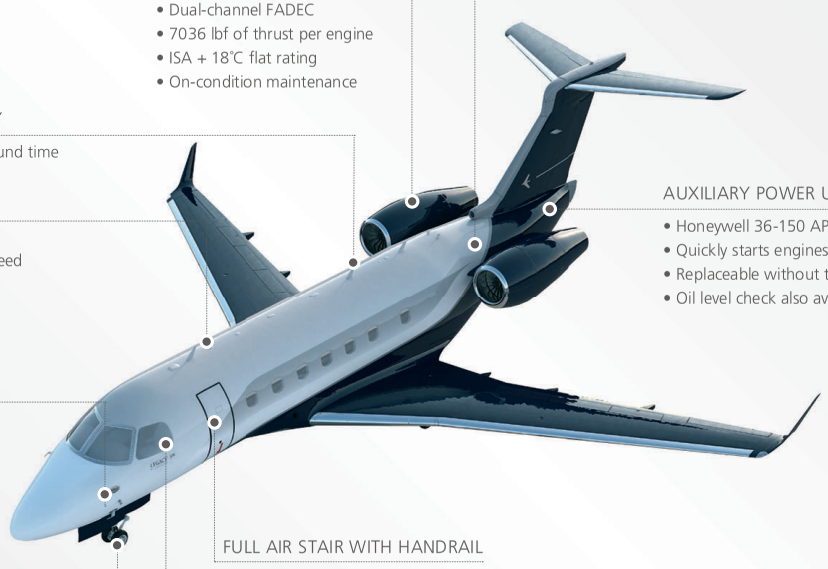
- 110 ft³ (3.11 m³)
- Externally accessible and heated as an option

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



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

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

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

The Legacy® 500 offers optional features. Some features may be available only after Type Certification.



LOS ANGELES



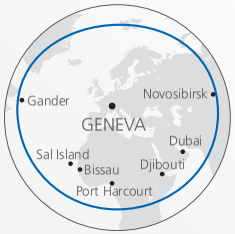
NEW YORK



SÃO PAULO



JAKARTA



GENEVA



MOSCOW



DUBAI



BEIJING



MUMBAI

RANGE

CROSS SECTION

The interior configuration of the Legacy 500 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.

LEGACY 500



GULFSTREAM G150



CITATION SOVEREIGN



LEARJET 85

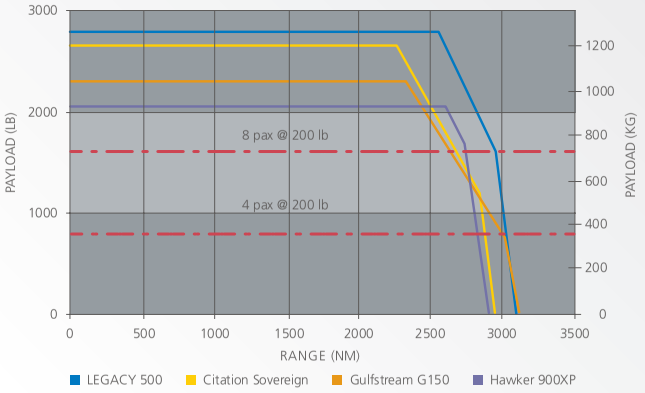


HAWKER 900XP



midsize 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 OPTIONS

Standard configuration seats 8 passengers, with the ability to increase capacity to 12 with the options shown below.



SPACE THAT WORKS FOR YOU

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