



Rethink Convention.

 **EMBRAER**  
*Executive Jets*

**LEGACY 450**

# LEGACY 450

## SPECIFICATIONS

66 ft 5 in | 20.25 m



64 ft 7 in | 19.69 m



21 ft 1 in | 6.43 m

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 @ 200 lb each and NBAA IFR reserves with 200 nm alternate airport)	2,900 nm / 5,371 km
High Speed Cruise (Max cruise speed; FL430; ISA; 4 pax @ 200lbs each; half fuel tank; baseline aircraft)	462 KTAS
MMO	M 0.83
TOFL (MTOW, SL, ISA)	3,907 ft / 1,191 m
Unfactored Landing Distance (LW with 4 pax @ 200 lb each, NBAA IFR reserves, 200 nm alternate, SL, ISA)	2,090 ft / 637 m
Maximum Payload (Baseline aircraft)	2,921 lb / 1,325 kg
Maximum Operating Altitude	45,000 ft / 13,716 m
Propulsion	Honeywell HTF7500E
Engine Thrust / Flat Rating	6,540 lbf / ISA + 18°C
Avionics	Rockwell Collins Pro Line Fusion®
Total Baggage Capacity	150 cu.ft / 4.25 cu.m
Seating Configuration (Crew + Standard Pax / Max Pax)	2 + 7 / 9



24 ft 1 in | 7.34 m



*Six-foot stand-up cabin with flat floor: tallest and widest in class*



*Fly-by-wire flight controls — unique for its class*



## THE STATUS QUO WASN'T GOOD ENOUGH. AND FOR US, IT NEVER IS.

So, starting with a clean sheet of paper, we designed the Legacy 450 as a new state-of-the-art corporate jet that transcends all others in the mid-light class. It is truly a remarkable union of technology and design.

As a direct challenge to convention, the Legacy 450 is the only jet in its class to replace standard controls with full fly-by-wire technology — offering complete envelope protection and reduced pilot workload in a dark and quiet cockpit environment featuring superior ergonomics, large displays and a synthetic vision system. An innovative side-stick control helps deliver an exceptionally smooth flight.

At 6 ft tall and 24 ft long, with a flat floor, the stand-up cabin is the tallest and widest in its class as well as a setting of luxury — including robust entertainment and connectivity, a low 6,000-ft cabin altitude, and the only wet-galley option in the mid-light class. Seating for a total of nine passengers includes two center club seats that fully berth to create beds. A combined internal and external stowage capacity of 150 cu ft is by far the largest in class.

With a High Speed Cruise of Mach 0.82, the Legacy 450 is the fastest mid-light in the air but also negotiates short runways for broader access to airports worldwide. It can climb directly to 43,000 ft. in only 21 min, departing from sea level with maximum takeoff weight — the kind of performance that comes with redefining what's possible.

01

*Fastest jet in its class*

02

*6,000 ft cabin altitude*

03

*Best baggage volume  
in class*

04

*Unique layout flexibility —  
best galley in the category*

05

*Largest windows in its class*







## 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 not yet available.*



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