



Rethink Convention.

 **EMBRAER**  
*Executive Jets*

**LEGACY 650**



## THE CAPACITY TO THINK BIG IS NO SMALL THING.

That's a point made clear when you consider the wide-ranging appeal of our Legacy 650 — the intelligent large-jet choice for fast, reliable and comfortable executive travel.

Renowned for its rugged durability and high dispatch rate, the Legacy 650 stands reliably ready to transport up to 14 passengers in a largest-in-class three-zone cabin that is also one of the quietest. The main inflight-accessible baggage compartment — at 240 cu ft — is the largest such amenity in its class and is complemented by a credenza and wardrobes providing another 46 cu ft. And at 134 cu ft, the lavatory is also the largest in its class.

Beyond sheer volume, the cabin is also a well-appointed environment with a largest-in-class galley and a highly intuitive cabin management system that takes the inflight experience to the next level. Its seamless connectivity, high-definition audio/video capabilities, and compatibility with Apple TV create a satisfying and sophisticated media environment. Technology in the cockpit is equally advanced, consisting of the proven Honeywell Primus Elite™ avionics suite.

As a package, the Legacy 650 delivers a great flight experience for both passengers and crew. And operators enjoy equally satisfying direct operating costs equivalent to those of many two-cabin aircraft. All of which goes to show that bigger can also be smarter.

01

*Largest baggage compartment in its class*

02

*Low cabin noise*

03

*Excellent dispatch reliability*

04

*Steep approach certified*

05

*Largest lavatory in its class*

# LEGACY 650

## SPECIFICATIONS

69 ft 5 in | 21.17 m



86 ft 5 in | 26.33 m



21 ft 9 in | 6.64 m



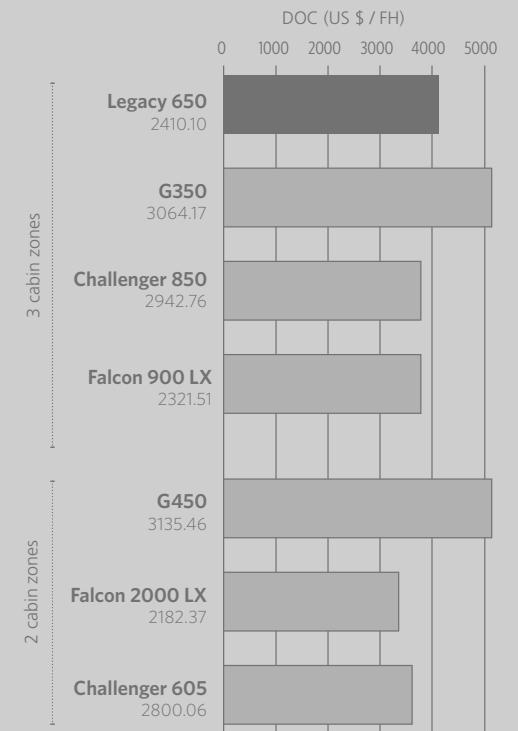
24 ft 9 in | 7.55 m

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

### DIRECT OPERATING COST (DOC)



Source: ARGUS CompAir 2013

*Unparalleled operating costs*



*The largest cabin in the segment: three zones, distant from each other, assuring privacy*







## 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, including EFBs, are optional items.*



LATIN AMERICA

Tel.: +55 11 3040 8432

U.S., CANADA & CARIBBEAN

Tel.: +1 321 751 5050

EUROPE, CIS & AFRICA

Tel.: +44 1252 379 270

[EmbraerExecutiveJets.com](http://EmbraerExecutiveJets.com)

MIDDLE EAST

Tel.: +9714 428 0682

ASIA PACIFIC

Tel.: +65 6734 4321

CHINA

Tel.: +86 10 6598 9988

