


# EMBRAER EXECUTIVE JETS AT A GLANCE

FEBRUARY, 2011

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# EMBRAER EXECUTIVE JETS VISION

**To become a major player in the Business Aviation Market by 2015 through innovative and differentiating product and service solutions with added value to our customers and shareholders.**

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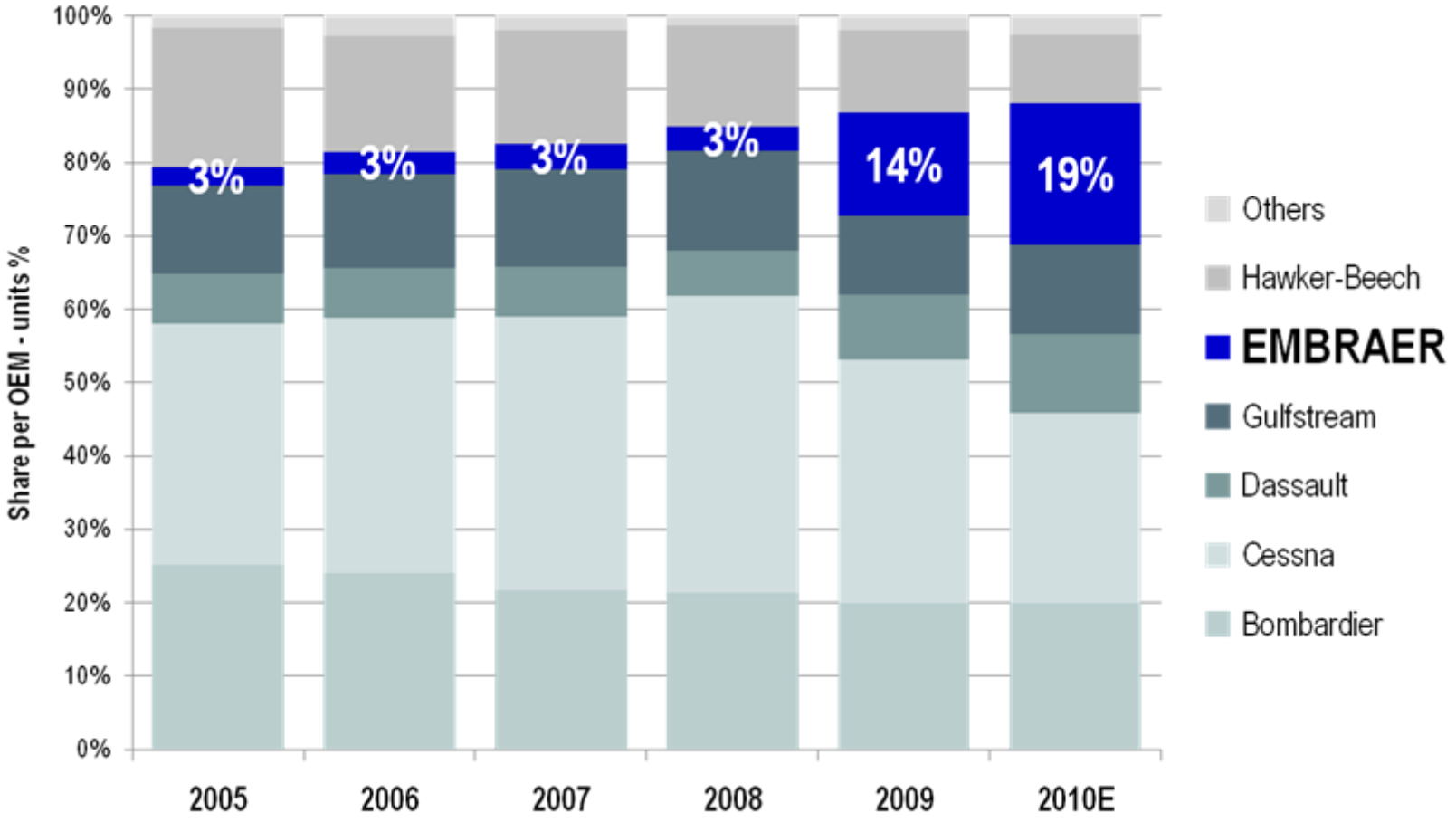
# EMBRAER PRODUCT PORTFOLIO EVOLUTION

EMBRAER Executive Jets

| | | |
|---|---|---|
| Ultra-large |  Lineage 1000E BY EMBRAER | 2006 |
| Ultra-Long Range | | |
| Large |  LEGACY 650E BY EMBRAER | 2009 |
| Super Mid-Size |  LEGACY 600E BY EMBRAER | |
| Mid-size |  LEGACY 500 BY EMBRAER | 2008 |
| Mid-light |  LEGACY 450 BY EMBRAER | |
| Light |  PHENOM 300E BY EMBRAER | 2005 |
| Entry |  PHENOM 100E BY EMBRAER | |

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# 2010E PERFORMANCE – DELIVERIES' SHARE (UNITS)




**The fastest growing executive jet manufacturer**

# Phenom 100®

EMBRAER Executive Jets








**Certified on schedule with all targets achieved or exceeded**

| | | |
|---|---|---|
| **Range*** | **1,178 nm** | **2,182 km** |
| **Maximum Cruise Speed** | **390 ktas** | **722 km/h** |
| **MMO** | **Mach 0.70** | |
| **Maximum Operational Altitude** | **41,000 ft** | **12,500 m** |

* NBAA IFR (35 min) Reserves + 100 nm alternate; 4 occupants @ 200 lb (91 kg)
* Basic configuration

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# Phenom 300®

EMBRAER Executive Jets








**Certified on schedule with all targets achieved or exceeded**

| | | |
|---|---|---|
| **Range*** | **1,971 nm** | **3,650 km** |
| **Maximum Cruise Speed** | **453 ktas** | **839 km/h** |
| **MMO** | **Mach 0.78** | |
| **Maximum Operational Altitude** | **45,000 ft** | **13,700 m** |

* NBAA IFR (35 min) Reserves + 100 nm alternate; 6 occupants @ 200 lb (91 kg)
* Basic configuration

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# The World Discovers the Phenom Jets

EMBRAER Executive Jets



## More than 220 Phenom Jets delivered

(October 2010)

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# LEGACY 450 AND LEGACY 500

EMBRAER Executive Jets



## Legacy 500 Performance

Real US Coast to Coast Capability

- 3,000 nm with 4 pax @ LRC
- 2,800 nm with 8 pax @ M 0.80

## Legacy 450 Performance

Large cabin regional flights

- 2,300nm with 4 pax @ LRC
- 2,200nm with 8 pax @ M 0.78

## The Interior Advantage

- Unsurpassed cabin comfort and style
- Full stand-up, flat-floor cabin

## Design

- Clean sheet design
- New generation concept incorporating extensive customer input

## Systems & Technology

- Advanced and integrated cockpit
- State-of the-art avionics
- Embraer's heritage of high dispatch reliability

**A New Paradigm for the Segment**

# INTERIOR DESIGN




**Only aircraft in their segments with a flat floor stand up cabin**

# Legacy 450/500 Full Fly-By-Wire Technology



FBW surfaces application:

- Rudder
- Elevator
- Spoilers
- Aileron
- Flaps
- HStab

Flightglobal Achievement Awards 2010

Legacy 450 and Legacy 500 Fly-by-Wire development team was acclaimed as the “Innovator of the Year” by Flight International magazine readers

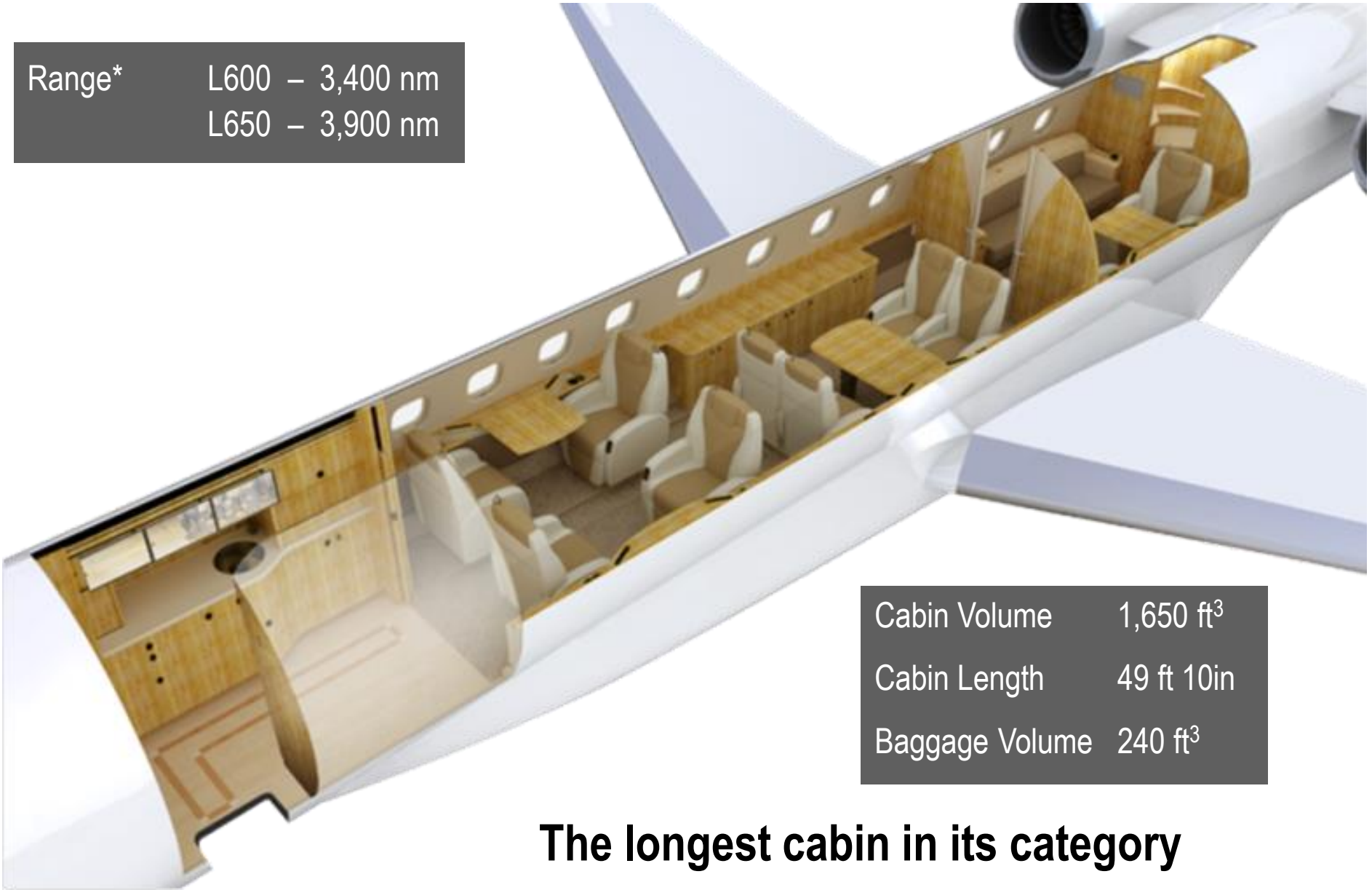


**First MidSize & MidLight jets with full Fly-by-Wire technology**

# LEGACY 600/650 – INTERIOR AND PERFORMANCE

EMBRAER Executive Jets

| Range* | |
|---|---|
| | L600 – 3,400 nm |
| | L650 – 3,900 nm |



| | |
|---|---|
| Cabin Volume | 1,650 $ft^3$ |
| Cabin Length | 49 ft 10in |
| Baggage Volume | 240 $ft^3$ |

**The longest cabin in its category**

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# LEGACY 650 PRODUCT OVERVIEW

EMBRAER Executive Jets

## The Legacy 650 Advantage

- 3,900 nm range with 4 passengers
- New Rolls-Royce AE 3007A2 engines
- Honeywell Primus Elite - New avionics package for next generation airspace requirements and improved cockpit functionalities
- Improved cabin sound comfort
- Most comfortable cabin in its class
  – 1,650 $ft^3$ (46.7 $m^3$)
- 3 spacious cabin zones
- The largest baggage compartment in the market
- Embraer DNA for High Utilization





**Intercontinental range with superb comfort and outstanding reliability**

# LINEAGE 1000® – INTERIOR AND PERFORMANCE

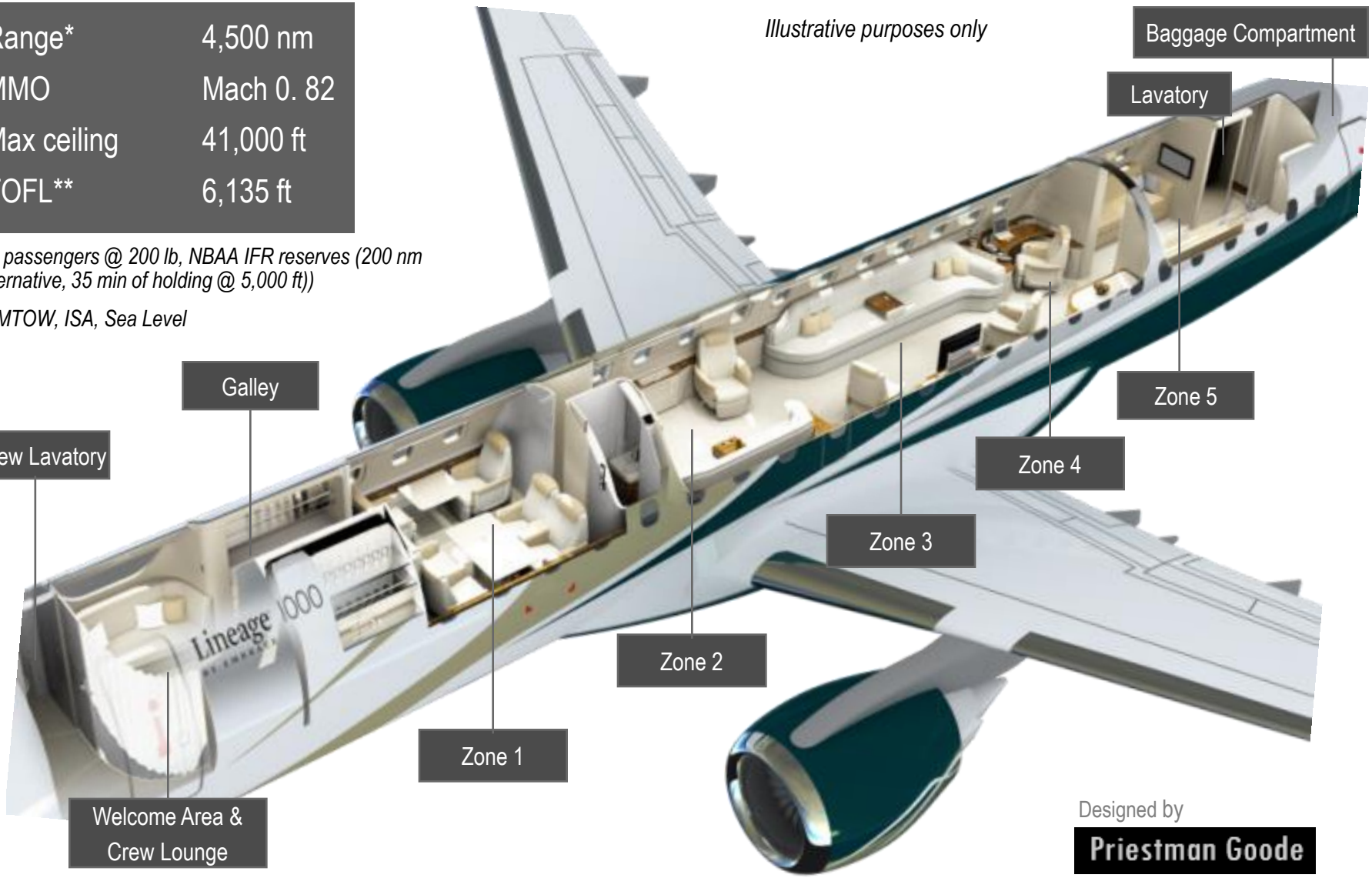
EMBRAER Executive Jets

| | |
|---|---|
| Range* | 4,500 nm |
| MMO | Mach 0. 82 |
| Max ceiling | 41,000 ft |
| TOFL** | 6,135 ft |

** 4 passengers @ 200 lb, NBAA IFR reserves (200 nm alternative, 35 min of holding @ 5,000 ft))*

*** MTOW, ISA, Sea Level*

*Illustrative purposes only*




Designed by Priestman Goode

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# LINEAGE 1000® – INTERIOR



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# FAST FACTS ABOUT EMBRAER EXECUTIVE JETS

- 6 new airplanes in 6 years
- The fastest growing executive jet manufacturer
- Significant growth during a crisis period: capturing market
- Fulfilled the 10-year view in 5 years
- Awarded products and services
- Unique product positioning:
  - Innovative cabin design and large baggage compartment
  - Balanced performance
  - High availability
  - Low operating costs
  - Attractive acquisition price

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