EMBRAER LEGACY 600 (E135)
ASKING PRICE: US$ 7.500.000
YOM 2007
MSN 14501002

Embraer is the third aircraft manufacturer in the world together with Boeing and Airbus. Based on WWII National Strategic Plan for Aerospace Development basis, the company was officially launched in 1969. They now employ 19’000 persons worldwide in 3 major Business Units: Commercial Aviation, Executive Aviation and Defense & Security.

So far Embraer has delivered 1’667 Commercial jets in 55 countries, over 740 Executive jets in 50 countries and equipped more than 50 Armed forces. Key programs include the Bandeirante EMB 110, first Embraer airplane (1971) with 498 deliveries, the Brasilia EMB 120, Regional aircraft (1985) with 352 airplanes sold, and the ERJ 145 Regional jet family (1996) with more than 900 aircraft delivered. In the years 2000, the Executive Aviation development leads to new programs with the Embraer 170/190 family (2004), Legacy (models 450, 500, 600 and 650 from 2000 till 2009), Phenom 100 & 300 (2005), Lineage 1000 (2006) and 1000E with a +400 Nm additional range.

Productions from Embraer are well known for their reliability and robustness, low operating costs and innovation to turn their business aviation airplanes into dreaming machines.

Usually a company finds a niche and sticks with it. Not Embraer. After the huge success of their 146 jetliner, they still wanted to branch out into the corporate jet market. The Legacy 600 is Embraer’s first attempt business jet but it doesn’t show. Certified in 1999, the highly-successful Legacy 600 continues to be manufactured today. At the end of 2008, the running total was 154. Now the Legacy
series, although still in development, is highly-anticipated and promises the most up-to-date technology yet. The Legacy 600 is unmatched in its class in performance, operation and interior size to name just a few.

The Legacy 600’s cabin stands out above the rest. It is completely tailored with the business world in mind. It is first and only comparable jet with three separate cabin zones to increase productivity on the road, so to speak. Executives can stay connected with high-speed internet, Wi-Fi, a three-line phone system and power outlets, all on-board. Its cabin size surpasses all jets in its class, measuring 1,413 cubic feet. Six-foot tall ceilings allow plenty of room to stand up and maneuver about the cabin. Cabin length measures 42.4 ft, while width is 6.9 ft max. The 600 is normally configured for 13 passengers in four standard seating arrangements.

For optimal comfort and enjoyment, cabin amenities include two 17-inch flat screen monitors, DVD players with individual controls and posh seats that fully recline. Twenty-two large windows and full LED lighting makes the cabin feel exceptionally spacious. A roomy, private lavatory is aft, while a second is optional (forward-positioned). The galley is in a class of its own, including a cutting board, three electrical outlets, a microwave or convection oven, and a long list of optional appliances: refrigerator, wine chiller, larger or second over, or oven/microwave combo. If that’s not enough, the 600 outdoes its competitors again in baggage space, housing 240 cubic feet of flight-accessible storage.

Private Jet Photo Embraer Legacy 600 interiorThere is no doubt about it that the Legacy 600 has the most comprehensive cabin in its class, but its unruly performance standards do not upset either. Embraer chose two Rolls Royce AE3007A1E high-bypass, turbofan, dual FADEC engines for the Legacy 600. Each is rated at 7,987 lbs of thrust. This allows the 600 to travel 3,250 nautical miles at Mach .74 carrying 8 passengers. It has a high speed cruise of 455 knots and a flight ceiling of 41,000 feet. It’s obvious the engines can perform, but in addition, they are extremely quiet (13dB below Stage IV requirements) and fuel-efficient.

Pilots will enjoy the Legacy 600’s cockpit, the largest in its class. Since Embraer’s goal with the Legacy series is to bring the latest, most innovative technology to aviation, the cockpit is efficient and advanced. Equipped with a Honeywell Primus 1000 avionics suite, the 600 offers the complete list of quality avionics standard. The system reduces pilot’s workload and stress. The 600 is ready to fly within 10 minutes and requires no upgrades for intercontinental flights.

The 600 excels in operations. Its FADEC-controlled Hamilton-Sundstrand APU can be available during the entire flight, aiding operations at airports with no support infrastructure. Highly reliable is the aircraft’s heavy-duty, trailing-link landing gear, which also requires low maintenance. The aircraft is also outfitted with a digital break-by-wire system including anti-skid protection and carbon fiber brakes. With all of these features, it may come as a shock that the Legacy 600 is relatively inexpensive to operate; its average costs compare with that of much smaller jets in the midsize class like the Hawker 4000 and the Gulfstream 200.

Honing the most advanced, up-to-date title in aviation, Embraer has beautifully mastered the business jet category. The Legacy 600 brings the perfect combination of business and luxury to the skies. Executives are able to be just as productive in the 600 as they would be in the office, just in style.
GENERAL CHARACTERISTICS

Capacity: 13 passengers
Length: 86 ft 5 in (26.33 m)
Wingspan: 68 ft 11 in (21.17 m)
Height: 22 ft 2 in (6.76 m)
Max. Certified Taxi Gross Weight: 55.155 Pounds (22.570 Kg)
Max. Certified Take-Off Weight: 49.604 Pounds (22.500 Kg)
Max. Certified Landing Weight: 40.785 Pounds (18.500 Kg)
Basic Empty Weight: 28.995 Pounds (13.152 Kg)
Maximum Zero Fuel Weight: 35.274 Pounds (16.000 Kg)
Operational Empty Weight: 30.081 Pounds (13.645 Kg)
Powerplant: 2 × Rolls Royce AE3007A1, 8,895 lbs each

AIRFRAME

Year of manufacture: 2007
Year of delivery: 2007
Total time airframe: 3.929 Hours
Total landings: 1.847
EU-OPS: Public Transport certified
Certified for: 13 passengers
Range: 3.400Nm
AIRFRAME Continued

- Cargo Space: 8.1 Cu. Meter (286 Cu.ft)
- Inspections: 12/24/48/96 mths CW 09/2015
- No damage history
- Airframe program: Embraer Executive Care

ENGINES

- Manufacturer: Rolls Royce
- Mfg Part No.: AE3007A1
- LH Engine Total Time: 3.929 Hrs
- RH Engine Total Time: 3.929 Hrs
- LH Engine Total Cycles: 1.847 Ldgs
- RH Engine Total Cycles: 1.847 Ldgs
- Thrust Rating: 8.895 Lbf
- Engine Program: JSSI Premium

APU

- Manufacturer: Hamilton Sundstrand
- Mfg Part No.: APS500R/T-62T-40C14
- Time since new: 2.352 Hrs
INTERIOR

The interior arrangement provides accommodation for two pilots and one flight observer in the cockpit, and 13 passengers in the cabin. A forward full service galley and crew lavatory are situated between the cockpit and the cabin. The cabin is divided into forward, mid and aft compartments and at the rear of the aircraft is a vanity room / lavatory which also provides cabin access to the baggage compartment.

DAY CONFIGURATION

NIGHT CONFIGURATION
GALLEY

A forward galley is located on the right hand side of the aircraft with dedicated space for food and beverage storage, preparation and service.

The galley is equipped with the following features:
- Crystal sliding doors in Lexan®
- Solid sliding compartment doors
- Plated faucet with swivel goose neck spout (mixed for hot and cold water)
- Corian® Countertop sink
- Miscellaneous storage
- Trash container (11.8gal)
- Ice drawer with overboard drain (with clean ice compartment)
- Microwave oven
- Customs seals on latches
- Three (3) universal electrical outlets behind the solid sliding compartment doors
- Paper holder behind the solid sliding compartment doors
- Sink cover with Teflon® cutting surface
- Home style Stainless steel galley sink
- Two Teflon® working surface
- Removable shelves
- Fixed shelves

The galley also holds all the cabin entertainment equipment. The aircraft is equipped with one Blu-ray Player, stereo speaker system, Moving Map, and two (2) 17.5” HD widescreen monitors located at the forward left hand bulkhead and in the aft cabin at the aft right hand bulkhead.

In order to separate the galley from the passenger zone, while optimising space, a dual pocket door is provided.
FWD CABIN

The forward cabin consists of 4 single club seats which can be converted into 2 individual beds. Walnut veneered tables fold out between facing seats providing a luxurious working surface or dining table. A 17.5” HD widescreen monitor is situated on the forward left hand bulkhead.

MID CABIN

The mid cabin comprises two double club seats facing each other (4 places in total) with a dining / conference table in between. On the right hand side is a walnut veneered credenza for storage or cabin items, headphones, DVDs and magazines. This seating configuration allows one double sized berth.
AFT CABIN

The aft cabin consists of a full berthing, three-place divan on the right hand side and two facing club seats on the left hand side (5 places in total). The divan is fully beding and the club seats may be converted into one individual bed. The aft compartment provides a complete externally serviced lavatory with a vanity, coat storage and an access door to the in-flight baggage compartment.

CABIN SUMMARY

- Fwd cabin zone: two single club seats at each side
- Mid cabin zone: two double club seats at the left side (LHS) and a credenza at the right side (RHS)
- Aft cabin zone: one single club seat at the left hand side (LHS) and a divan at the right hand side (RHS)
- Acoustic entry curtain
- Mid cabin partitions
- Forward dual pocket door and aft single hinged door
- Satellite in-flight phone system with two handsets being 1 cordless located in the VIP seat of zone C and 1 corded located in the double seat of zone D
- 8.9” HD Galley Touch screen control located in the Forward Wardrobe
- 1 Auxiliary Panel located in the VIP seat of zone C with 1 VGA port, 1 stereo Jack, 1 HDMI, 1 USB, one 1 Ethernet and 1 RCA jacks to audio and video.
- Moving Map
- 1 Blu-ray Player located in the entertainment cabinet which plays CD, DVD and Blu-ray disks. The player supports all Blu-ray media regions and one DVD media region.
- 1 iPodTM docking in the VIP seat
- 17.5” HD widescreen monitors at the LHS of the forward bulkhead and RHS of the aft bulkhead
- VIP function control Panel in the VIP seat located in the Zone C
- Galley and aft lavatory water heater
- Access door to baggage compartment, door light, life vests at each seat, antiblockage barrier with a net, restraint net
- Fifteen (15) universal power (110 V) outlets being three in the galley, one in the forward wardrobe, one in the aft lavatory, one for each single seat, one for each double club seat set and two in the credenza.
- Universal power (110V) outlets located in the cockpit LHS and RHS lateral consoles
- Observer seat
## AVIONICS

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ADS-B Out option implemented (SB 145LG-34-0035)
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