



SPARFELL & PARTNERS

INTELLIGENCE IN AIRCRAFT SERVICES



Specifications

LEGACY 600

Serial Number 1450-1216

AIRCRAFT EXECUTIVE SUMMARY



A GREAT PEDIGREE

Sparfell & Partners is pleased to offer, for immediate sale, this immaculate 2015 Legacy 600.

Executive Summary

Aircraft Manufacturer	Embraer
Aircraft Type	Legacy 600
Current Registration	D-AERO
Serial Number	145-01216
Year of Manufacture	2015
Airframe Total Hours*	3'032
Airframe Total Cycles*	1'528
Home Base	Hamburg
Passenger Configuration	13 Seats

*as of February 2018

AIRCRAFT HIGHLIGHTS



Highlights

Pristine Condition

One Owner Since New

Engines on Program

EANS 1A, CPDLC, ADS-B Out

13 Seats Configuration

Iridium Satellite Phone

SwiftBroadband High Speed Wi-Fi

41'000 ft Operational Ceiling

Steep Approach Plus Cannes Operation

IMMACULATE CABIN

Elegant 13 passengers cabin interior. Features forward 2 double-club seats, mid cabin 4 place dining group seats and aft cabin 3 seats divan facing a double-club seats.

EMBRAER AT A GLANCE



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.

SPECIFICATIONS

Airframe

Aircraft Manufacturer	Embraer
Aircraft Type	Legacy 600
Current Registration	D-AERO
Serial Number	1450-1216
Year of Manufacture	2015
Year of Delivery	2015
Airframe Total Hours*	3'032
Airframe Total Cycles*	1'528
Navigation & Compliances	RVSM CAT II

Engines

Manufacturer	Rolls-Royce
Type	AE3007A1E
Thrust Level (Lbf)	8'917
#1 Engine Total Hours*	3'032
#1 Engine Total Cycles*	1'528
#2 Engine Total Hours*	3'032
#2 Engine Total Cycles*	1'528
Engines Program	JSSI Platinum

APU

Manufacturer	Hamilton Sundstrand
Type	T-62T-40C14
APU Total Hours*	2'275
APU Total Cycles*	2'422

*as of February 2018

SPECIFICATIONS

Performance

Maximum Speed	455 Kts
Long Range Speed	424 Kts
Seats Full Range	3'091 Nm
Take-Off Runway Length	5'749 ft
Landing Runway Length (FAR 135)	2'888 ft
Maximum Operating Altitude	41'000 ft

Engines (x2)	Rolls-Royce AE 3007A1E
Thrust Level in Pound Force (each)	8'895 Lbf
Consumption (Gallons per Hour)	363
Passenger Configuration	13 Seats
Cabin Volume	1'656 Cu.ft
Baggage Volume	286 Cu.ft

Source: Conklin & de Decker

Weights

	LBS	KG
Maximum Take-Off (MTOW)*	49'604	22'500
Maximum Landing (MLW)*	40'785	18'500
Maximum Zero Fuel (MZFW)*	35'274	16'000
Standard Basic Empty Weight	30'845	13'911
Maximum Payload*	5'139	2'355
Payload - Full Fuel*	1'507	684
Maximum Usable Fuel*	18'170	8'242

*Source: EASA / TCDS

RANGE



from Geneva



from Dubai

RANGE



from Hong Kong



from São Paulo

RANGE



from Brazzaville



from Miami

Source: Great Circle Mapper®

Disclaimer: Performances may vary upon loading, aircraft configuration, routes assigned by control authorities, winds, airfield elevation, temperature.

AVIONICS

Simplicity and safety drive the Legacy 600 avionics system. The Traffic Collision and Avoidance System (TCAS) and Enhanced Ground Proximity Warning System (EGPWS) with wind-shear detector and escape guidance provide maximum safety against Controlled Flight Into Terrain (CFIT) and other air traffic threats.

VNAV is the functionality that provides to the aircraft the ability to fly a vertical navigation. VNAV computes guidance commands for the Autopilot or Flight Director follow the vertical guidance.

The flight profile reflects all speed and altitude restrictions specified in the flight plan while respecting airplane operating limits.

Required Navigation Performance (RNP 0.3) is a key component of next-generation performance-based navigation system. It utilizes global positioning and inertial reference system navigation, allowing aircraft to fly predetermined paths loaded in their flight management computers.

Note: Coupled VNAV, RNP 0.3 and Charts and Maps functionalities are follow-on certification items which may not be available at the delivery.

The reversion capability of the IC's allows the all-glass, five Liquid Crystal Display (LCD) cockpit to be dispatched with one display inoperative.

Source: Embraer



AVIONICS

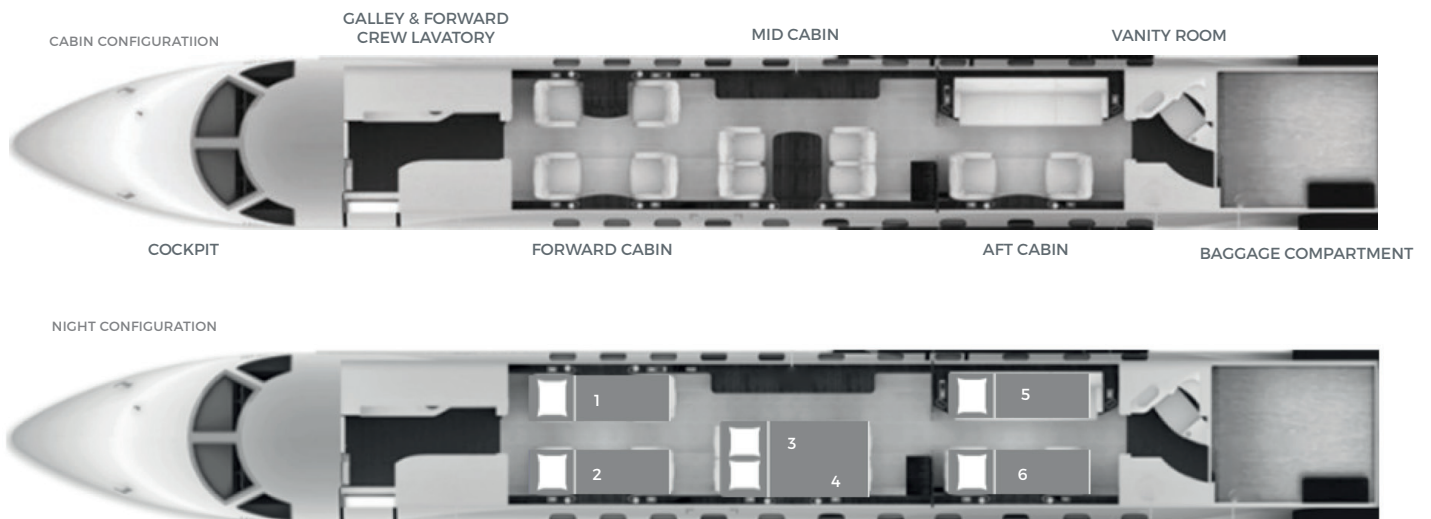
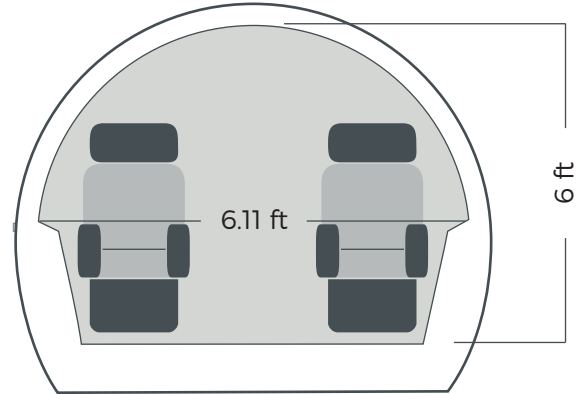
Type of Unit	Qty	Unit Description
COM	Triple	Honeywell RCZ 833K
NAV/ADF	Dual	Honeywell RNZ-851
HF	Dual	Honeywell KRX1053
XPDR	Dual	Honeywell RCZ-833M
ADC	Dual	Honeywell AZ-950
GPS	Dual	Honeywell HG2021 SBAS GNSSU
DME	Triple	Honeywell RNZ-851
FMS	Dual	Honeywell NZ 2010 NZ6.1
IRS	Dual	IRU Laseref IV
A/P	Single	Honeywell IC-600
EGPWS	Single	Honeywell Mark V
RADAR	Single	Honeywell WU-880
FDR/CVR	Single	L3 Communications FA2100
RADALT	Single	Honeywell RT-300
TCAS II	Single	ACSS/TCAS II Version 7.1
ELT	Single	Artex C406-2
SATCOM	Single	Honeywell HD-710
FDR	Single	System 88 Parameters
WXR	Single	Honeywell WU-880

CABIN

SUMMARY

13 Seats Configuration

Length	49'8"	ft/in
Height	6'0"	ft/in
Width	6'9"	ft/in
Volume	1'656	Cu. ft
Baggage volume	240	Cu. ft
Nb of standard baggages	47	



DESCRIPTION

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.

All seats are in dark grey leather.

Source: Embraer

CABIN

OVERVIEW

Entertainment:

- Two Bulkhead Mounted Monitors
- Media Center w/ 2 Blu-Ray + 2 Ipod
- Iridium Satellite Phone
- SwiftBroadband High Speed Data System (HSD) w/ Data Link Communication

Galley:

- Convection / Microwave Oven
- 4 Food Containers
- Nespresso Machine



CABIN

FORWARD CABIN



MID CABIN



CABIN

AFT CABIN



LAVATORY



PHOTOS





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Disclaimer: These specifications are presented as introductory information only. They do not constitute representations or warranties of any kind. Accordingly, you should rely on your own inspection of this aircraft. The aircraft is subject to sale, and / or removal from the market without prior notice.