

SOLJETS



2016 Embraer Legacy 500


SN 55000061 | N520FB

Passenger: 10 Mach: 0.82 Range (NM): 3,125

Overview

☆ Aircraft Highlights

- L5 LX Wifi
- Dual HF with SELCAL
- Observer Seat
- Enrolled on MSP Standard
- CPDLC
- Inmarsat High Speed Data

 **Airframe** Total Hours: 2,286 Total Landings: 1,741

 **Engines** Honeywell AS907-3-1E

Engine 1: P-131227 Total Hours: 2,286 Cycles: 1,741

Engine 2: P-131232 Total Hours: 2,182 Cycles: 1,656

Program Coverage: MSP Standard

 **APU** Honeywell GTCP36-150

Serial #: P-172 Total Hours: 1,615

Program Coverage: MSP Standard

Interior

- Ten (10) Passenger Seating in Beige Leather including Six (6) Executive Seats, Three (3) Place Divan, and Belted Lavatory
- Enhanced Seat Package

Exterior


- Embraer Brand Paint Scheme

Maintenance

- Traxxall Maintenance Tracking
- 12 and 36 Month Inspections Completed October 2025

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Avionics

- Four 15.1-inch Active Matrix Liquid Crystal Smart Displays
- Dual Air Data System RVSM Compatible
- Dual Gyrocompass Enhanced Attitude Heading Reference System (AHRS)
- Dual Flight Management System (FMS) with Take-off and Landing Performance Calculation Capability (TOLD)
- Dual Flight Director with Fail Passive Autopilot
- Dual Channel Data Module Cabinet (DMC)
- Dual Display Control Panel (DCP)
- Dual Multifunction Keyboard Panel (MKP)
- Dual Cursor Control Panel (CCP)
- Dual Channel Aural Warning Unit (AWU)
- Dual Digital Audio Control Panel (ACP)
- Dual VHF Communication Transceivers
- Dual Global Positioning System (GPS) with SBAS/WAAS
- Dual Navigation Receivers (VOR/ILS/MB)
- Two Modular Integrated Processing Cabinets (IPC)
- Synthetic Vision System (SVS) with Full-Screen Presentation
- Autothrottle System

Avionics (continued)

- Engine Indication and Crew Alerting System (EICAS)
- Graphical System Synoptic Presentations
- Navigation Charts Capability - Integrated Flight Information System (IFIS)
- High Resolution Terrain Maps
- Vertical Profile Window
- Standby Flight Information System (SFIS)
- Flight Control Panel (FCP)
- Reversionary Switch Panel
- Digital Audio System
- Multiscan Weather Radar (18" Antenna) with Turbulence Detection Mode
- Distance Measuring Equipment (DME) Receiver
- Radio Altimeter
- Traffic Surveillance System (Integrated TCAS II and Enhanced Mode S Transponder System)
- Second Enhanced Mode S Transponder
- Terrain Awareness and Warning System Class A (TAWS-A)
- Onboard Maintenance System (OMS)

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Avionics (continued)

- Electronic Checklist
- Cockpit Voice Recorder (CVR)
- Flight Data Recorder (FDR)
- Three Frequency Emergency Locator Transmitter (ELT)
- Cabin Announcement
- ADS-B Out
- RNP AR 0.3
- ELT/NAV
- Single ADF
- Third VHF
- Dual HF plus SELCAL
- ACARS Datalink
- CPDLC
- Datalink Graphical Weather
- Satellite Datalink Weather (XM)
- Surface Management System
- Multiscan Weather Radar
- HUD+E²VS (E²VS – MEL – Parts not available)
- FANS 1A+



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Features/Options

- L5 LX Wifi
- Paperless Operation Capability
- Magnetic Compass
- Pilot Tables
- CAT-II
- HALTO
- Observer Seat
- High Power Outlets - 115V
- Stone Floor on Galley and Lavatory Floors
- Stone Veneers on Countertops
- Second Handrail
- Pocket Door and Curtain
- Cockpit/Galley Curtain and Main Door Thermo-Acoustic Curtain
- Iridium Satellite Phone
- Inmarsat High Speed Data
- Enhanced Cabin Management System

Features/Options (continued)

- 19" HD Forward Monitor
- 19" HD Aft Monitor
- Individual Monitors Receptacle - 2 Monitors Included
- Galley Convection and Microwave Oven
- Galley Refrigerator
- 110 Minutes Cargo Fire Suppression System (MEL - Parts not available)
- 115 cu. ft. Capacity Oxygen Cylinder
- Towing Kit
- Crash Axe
- Heating System for Baggage Compartment
- HEPA Filter
- Baggage Compartment Ladder
- Servicing Ladder

High Speed Cruise

(45,000 ft, Mid cruise weight)	466 ktas	863 km/hr
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Airspeed Limits

High speed cruise	M 0.82
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Mmo	M 0.83
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Climb Performance

All engines	14 min to climb to FL370
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Ceiling

Maximum Certified	45,000 ft	13,716 m
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NBAA IFR Range

(200nm Alternative)

LRC, 4 pax, NBAA IFR reserves	3,125 nm	5,788 km
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Airport Performance (Dry, Level, Hard, Zero, Wind)

Takeoff distance (SL, ISA, MTOW)	4,084 ft	1,245 m
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Landing distance (SL, ISA, MTOW)	2,122 ft	647 m
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Outside Dimensions

Overall Length	68 ft 1 in	20.74 m
Overall Height	21 ft 2 in	6.44 m
Wingspan	66 ft 5 in	20.25 m

Cabin Dimensions

Length (excluding cockpit)	26 ft 10 in	8.2 m
Height	6 ft	1.83 m
Width	6 ft 10 in	2.08 m

Engines

Two (2) Honeywell AS907-3-1E

Takeoff Thrust	7,036 lb	ISA + 18°C
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Design Weights & Capacities


Max Ramp Weight	38,537 lb	17,480 kg
Max Takeoff Weight	37,919 lb	17,200 kg
Max Landing Weight	34,127 lb	15,480 kg
Max Zero Fuel Weight	26,499 lb	12,020 kg
Max Payload	2,800 lb	1,270 kg
Max Usable Fuel (6.7 lb / gal)	13,058 lb	5,923 kg
Payload with Full Fuel	1,779 lb	807 kg

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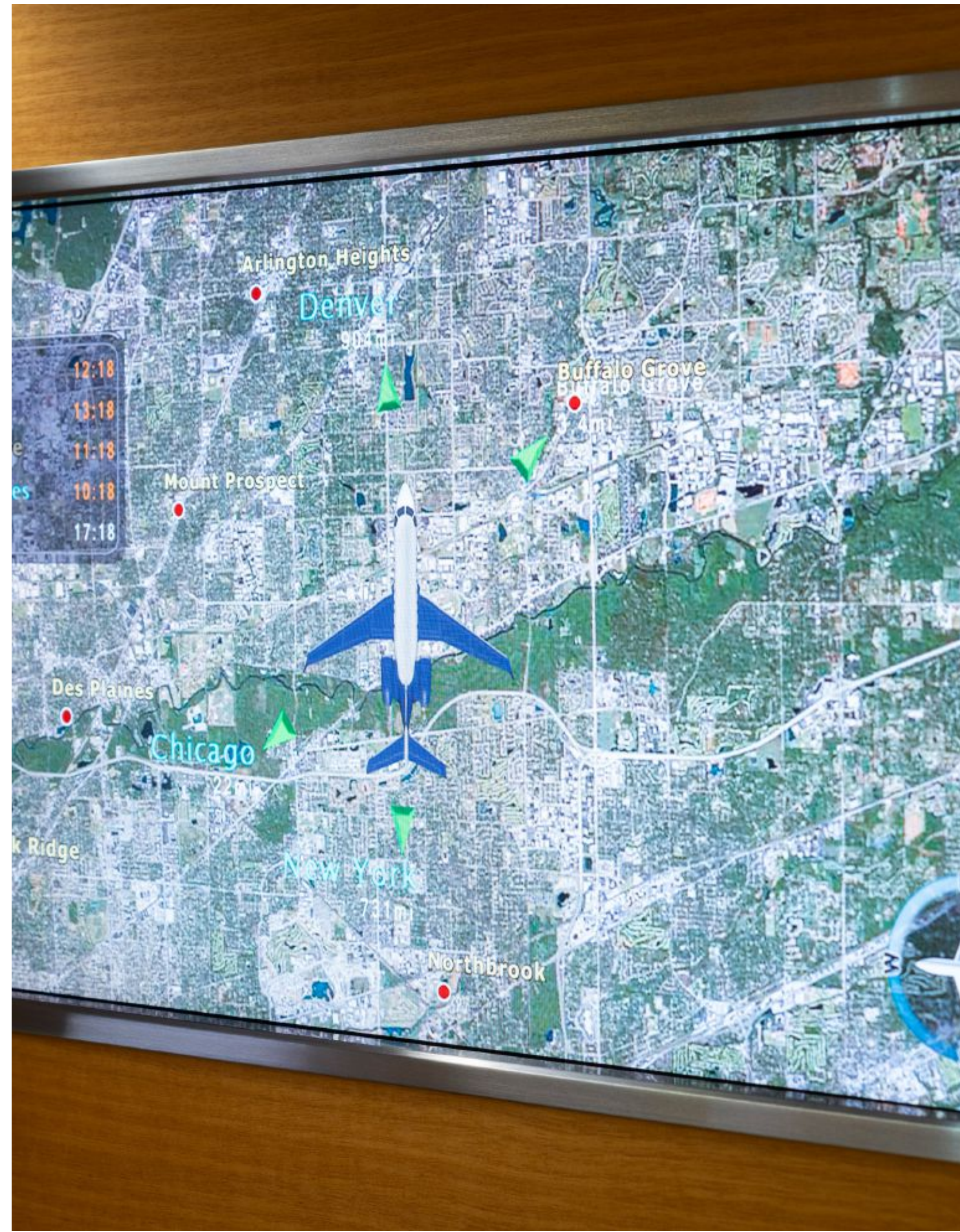
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