EMBRAER E190-100LR

2010 · 106-PASSENGER CONFIGURATION



REPRESENTATIVE TYPE IMAGE — NOT THE OFFERED AIRFRAME

MANUFACTURED	AIRFRAME HOURS	AIRFRAME CYCLES	MTOW	ENGINES
28 Jan 2010	19,730.85	15,625	50,300 kg	2 × CF34-10E5

A detailed aircraft presentation based on the supplied technical specification, with airframe, powerplant, maintenance, compliance and cabin information.

Photo: Antônio Milena / Agência Brasil (CC BY), via Wikimedia Commons; cropped. Data status: 07 Oct 2026.

Technical profile

Airframe identity is presented by neutral aircraft number; source status date: 07 October 2026.

DATE OF MANUFACTURE	TOTAL AIRFRAME HOURS	TOTAL AIRFRAME CYCLES
28 Jan 2010	19,730.85	15,625

Operational weights	Value
MTW	50,460 kg
MTOW	50,300 kg
MLW	43,000 kg
MZFW	40,800 kg

Additional data	Value
OWE	28,974 kg
Basic empty weight	27,765 kg
Fuel capacity	13,192 kg
Noise compliance	ICAO Annex 16, Vol. 1 — Chapter 3

Engines & APU

Two GE CF34-10E5 engines; Hamilton-Sundstrand APS2300 APU. Times in hours; cycles as stated.

Metric	Engine 1	Engine 2	APU
Model	CF34-10E5	CF34-10E5	APS2300
Time since new	21,871.05	19,276.36	26,185.80
Cycles since new	17,462	15,591	28,300
Last shop visit	05 Mar 2019	06 Sep 2017	Jan 2025
Time since shop visit	7,474.05	7,640.00	344.60
Cycles since shop visit	6,122	6,105	670
First-limiter cycles remaining	7,438 †	9,309 †	34,324

† Both engine first-limiter values are annotated "unusable" in the source.

Maintenance history

Airframe checks and intervals exactly as listed; location codes retained from the source.

Check / item	Date	Hours	Cycles	Location
1C	17 May 2013	5,528.00	4,445	TSN
6Y1	06 Jan 2016	11,485.00	9,172	TSN
2C	18 Sep 2016	12,923.00	10,394	TSN
8Y1	08 Dec 2017	15,533.00	12,483	TSN
3C + 10Y1	01 Jan 2020	19,730.00	15,625	TSN

Landing gear status

NLG, LH MLG and RH MLG. Times in hours; overhaul due dates shown where provided.

Metric	NLG	LH MLG	RH MLG
Time since new	19,730.51	19,730.51	19,730.51
Cycles since new	15,625	15,625	15,625
Time since overhaul	N/A	N/A	N/A
Cycles since overhaul	N/A	N/A	N/A
Next overhaul due	N/A	N/A	N/A

Regulatory compliance

Operational capabilities reported in the supplied specification.

System	Status
Approach category	CAT II
TCAS	Version 7.1
ADS-B Out	Installed
SATCOM	No

System	Status
RNP	RNP AR 0.3; RNP APCH; Basic RNP1; RNP4; RNP10
RNAV	RNAV 1; RNAV 2; RNAV 5; RNAV 10 (RNP10)
Wireless QAR	No

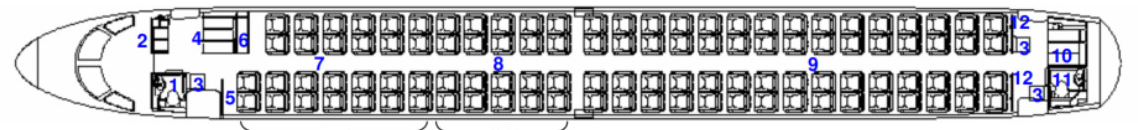
MAJOR AVIONICS

Honeywell GP750 guidance; VHF/HF communications with SELCAL; five display units; Honeywell MAU; L3 cockpit voice/data recorders; UTAS SmartProbes; dual radar altimeters; TCAS II 7.1; dual IRU and GPS; Thales integrated standby; EGPWS; Mode S 1090ES; WU 880 weather radar.

106-passenger cabin

Source LOPA: 26 seats at 31-inch pitch, 20 at 30-inch pitch and 60 at 31-inch pitch; last-row restrictions noted on diagram.

Exhibit 1 to ATTACHMENT "A"
AIRCRAFT CONFIGURATION – 106 PAX



Interior Items
1 - Fwd Lavatory
2 - Fwd Galley G1 (2 Half Trolleys)
3 - Flight Attendant Seat
4 - Fwd Galley G2 (3 Full Trolleys)
5 - Windscreen
6 - Stowage
7 - Economy Class (26 pax 31" pitch)
8 - Economy Class (20 pax 30" pitch)
9 - Economy Class (60 pax 31" pitch)
10 - Aft Galley G3 (3 Full Trolleys)
11 - Aft Lavatory
12 - Aft Divider

Galley Inserts*	G12H1	G23F	G33FL
Half Size Trolley	2	---	---
Full Size Trolley	---	3	3
Standard Unit	1	---	---
Cofee Maker	1	---	1
Hot Jug	1	---	1
Oven	---	2	2

*Provisions Only

Notes:
The last seat row reclines 2"
The last seat row adjacent to Type III OWE does not recline

Optional equipment

Installed items and provisions summarized from the source equipment list.

- Single HF; SELCAL; cockpit printer
- CMF/ACARS + third VHF Mode A
- DC external receptacle; autobrake
- Cabin surveillance; life-vest pouches
- Third flight-attendant seat + handset
- Aft-lavatory baby-change table
- Cargo nets; portable ELTA ELT
- Teledyne QAR; L3 DVDR
- Second RA / ADF / FMS-GPS
- Weather-radar turbulence + lightning sensor
- 77 cu ft oxygen cylinder; 22-min passenger oxygen
- Third RH-seat oxygen masks; MP3 player
- DMU; reinforced cockpit door
- Door-sill doublers
- Water boilers; convection ovens
- Stretcher-access windscreen; manifold sensor
- MAU: Pentium M

Interior & records status

Cockpit: two pilot seats and one observer seat. · Passenger cabin: 106 seats per LOPA. · In-flight entertainment: N/A. · Cargo: forward and aft compartments.

MISSING PARTS

The source refers to a separate Excel missing-parts list; that attachment was not included in the supplied file.