EMBRAER E190-100LR

2009 · 106-PASSENGER CONFIGURATION



REPRESENTATIVE TYPE IMAGE — NOT THE OFFERED AIRFRAME

MANUFACTURED	AIRFRAME HOURS	AIRFRAME CYCLES	MTOW	ENGINES
20 May 2009	26,890.30	20,484	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
20 May 2009	26,890.30	20,484

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

Additional data	Value
OWE	28,897 kg
Basic empty weight	27,689 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	34,036.73	23,356.65	25,956.60
Cycles since new	23,265	18,446	28,557
Last shop visit	08 Oct 2018	20 Jun 2023	Dec 2024
Time since shop visit	15,234.33	3,470.65	192.30
Cycles since shop visit	9,518	2,327	209
First-limiter cycles remaining	1,631	6,554 †	11,248

† Engine 2 source value is annotated "TGB oil leak; unusable."

Maintenance history

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

Check / item	Date	Hours	Cycles	Location
1C	21 Mar 2012	5,536.00	4,116	TSN
2C	27 Oct 2014	11,202.00	8,387	TSN
6Y1	25 Apr 2015	12,259.00	9,201	TSN
8Y1	21 Apr 2017	16,488.00	12,680	TSN
3C	02 May 2018	18,526.00	14,395	TSN
10Y1	22 Jan 2019	19,819.00	15,362	TSN
6Y2 + 1S + 4C	30 Mar 2021	23,650.26	18,292	TNA
8Y2	15 Jan 2025	23,969.88	18,544	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	24,654.93	25,919.30	24,654.93
Cycles since new	18,995	19,853	18,995
Time since overhaul	685.20	1,949.57	685.20
Cycles since overhaul	451	1,309	451
Next overhaul due	04 May 2038	09 Oct 2037	04 May 2038

Regulatory compliance

Operational capabilities reported in the supplied specification.

System	Status
Approach category	CAT II
TCAS	Version 7.1
ADS-B Out	Installed
SATCOM	Yes

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

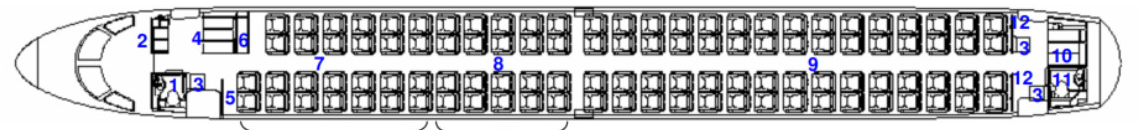
MAJOR AVIONICS

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 II

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

N/A in the supplied specification.