

TECHNICAL SPECIFICATIONS

REF: A2025-021

EMBRAER E145LR

Report Dated 09-Mar-2026

CHAPTER 1 // GENERAL DESCRIPTION

Manufacturer EMBRAER.
Model Designation 145LR
Date of Manufacture: 11.07.2003

Crew Accommodation: Cabin / Cockpit: 2 / 3
Total Passenger Accommodation: First / Business / Economy: - / - / 50

Next C of A Renewal Date: 25 Aug 2026
C of A Comment NONE
SELCAL Code..... Not installed
ADS-B OutCompliant

Extended Overwater Capability NO
Approach Category..... CAT II
RVSM Yes
TCAS II Model..... TCAS 2000
B-RNAV/P-RNAV Yes/Yes
ILS /VOR FM Immunity Yes
8.33 KHz Channel Spacing Yes
CDSS NO
EFIS Yes
Noise Compliance..... STAGE 3
Winglets No

CHAPTER 1 // GENERAL DESCRIPTION CONT'D

Current Maintenance Provider..... CAMS (Part 145 AMO - CAA/TCI/004)
 Current AC Status..... Aircraft in Service

Total Flight Hours 18400.51 hrs.
 Total Flight Cycles..... 16726 cycles

INTERIOR // CABIN & COCKPIT

Crew Accommodation:..... **Cabin / Cockpit**..... 2 / 3
Total Passenger Accommodation:..... **Business / Economy** / 50
 Full Y Class 50
 Basic Configuration 50
 Emergency Exit Row 10
 Non-Reclaimable Back of the Seats Row 9/16
 Cabin Crew Seats 2

Versions	C Class Rows	Y Class Rows
50 Y	-	1-16
3C/45Y	1	2-16
6C/42Y	1-2	3-16
9C/39Y	1-3	4-16
12C/36Y	1-4	5-16
15C/33Y	1-5	6-16
18C/30Y	1-6	7-16



CHAPTER 3 // DESIGN WEIGHTS

(Lb. / KG)

Maximum Taxi Gross Weight:48.722 / 22.100
 Maximum Take-Off Weight:48.502 / 22.000
 Maximum Landing Weight42.549 / 19 300
 Maximum Zero Fuel Weight38.250 / 17 350
 OEW.....26.707 / 12 114
 A/C Weighing next due.....25 Aug 2027

CHAPTER 5 // MAINTENANCE SCHEDULE AND STATUS

Date.....09 Mar 2026

Flight Hours

Check	Last Done	Done Since	Remaining	Next due
1A	18302.1	75.4	424.6	18802.1
2A	18302.1	75.4	924.6	19302.1
3A	17475.4	902.1	597.96	18975.4
4A	18302.1	75.4	1924.6	20302.1
5A	17144.3	1357.81	1142.19	19542.7
C	14542.7	3834.7	1165.3	19542.7
2C	9072	9305.5	694.6	19072
3C	14542.7	3834.7	11165.3	29542.7
4C	-	-	1622.53	20000

Last Maintenance Performed:.....A/ 2A/ 4A Check – 23 Oct 2025

ATC Transponder Test (FC) #1: and #2: 21 Oct 24

Flight Recorder Read Out..... Mar 2026

CPCP Yes

Aging A/C program..... No

SSID candidate..... No

Parking preservation..... N/A

Remarks (e.g. significant maintenance / mod, details of when due & estimated expenditure):

CHAPTER 22 // AUTOMATIC FLIGHT CONTROLS

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
Autopilot Controller PC-400	7003897-925	Honeywell	1
Guidance Controller GC-550	7021170-951 MOD A	Honeywell	1

CHAPTER 23 // COMMUNICATIONS

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
Radio Management Unit	7013270-965	Honeywell	2
Integrated VHF	7510700-665	Honeywell	2
Tuning Backup Head	7513000-835	Honeywell	1
Passenger Address Amplifier	5482-1MOD.D	AVTECH CORPORATION	1
Digital Audio Panel AV-805A	7511001-939	Honeywell	3
Cockpit Voice Recorder, Solid-State	2100-1020-02	L3COMMUNICATIONS	1
VHF Communication Antenna	16-21B Mod.1	Chelton	2

CHAPTER 24 // ELECTRICAL POWER

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
APU Starter Generator	23080-013A	Lucas	1
Main DC Generator	30086-011	Lucas	4
AC Static Inverter	PC-251-123F	AVIONIC INSTRUMENTS INCORPORATED	1

CHAPTER 25 // EQUIPMENT AND FURNISHING

	Manufacturer	Model or Part No.	Qty.
First Class Seats	—	N/A	
Business Class Seats	-	N/A	
Economy Class Seats	Liebherr	41082018-101	
	Aerospace	41042018-101	
		41032018-105	
		41042018-107	
		41072018-103	
ELT	AIR PRECISION	96A 2560 000 000	1
	Eastern Aero		
Life Jackets(Crew)	Marine	P01074-201WC	5
	Eastern Aero		
Life Jackets(Pax)	Marine	P01074-101	48
Hand Megaphone	N/A	N/A	N/A
	C&D		
Escape Path Lighting	AEROSPACE	7287580-505	1
PBE	L AIR LIQUIDE SA	15-40F	3

	Manufacturer	Model or Part No.	Qty.
Portable Oxy Bottle	DBA PURITAN-BENNETT AEROSPACE SYSTEMS	176965-14	2
Crash Axe	Embraer	MODEL56	1
Fire Extinguisher Engine	PACIFIC SCIENTIFIC COMPANY	33600057-5	2
Fire Extinguisher APU	PACIFIC SCIENTIFIC COMPANY	30100050-5	1
Fire Extinguisher Baggage	PACIFIC SCIENTIFIC COMPANY	33700027-1	1
Fire Extinguisher Baggage	PACIFIC SCIENTIFIC COMPANY	34600073-1	1
Lavatory Fire Extinguisher	C&D AEROSPACE	BA22653-1	1
Toilets (AFT)	-		1

GALLEYS:

Part Number	System (Atlas/KSSU/Other)	Manufacturer	Position (G1/G4 etc)
8295001-131	Atlas	C&D Zodiac	1
8274001-101	Atlas	C&D Zodiac	2
8274001-101	Atlas	C&D Zodiac	3

	Manufacturer	Model or Part No.	Qty.
Ovens		1539IM0HC	3
Water Heater Containers			
Full-size carts			6
Half-size carts			2
Hot Jug			

CHAPTER 26 // FIRE PROTECTION

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
Engine Fire Overheat Detectors	3601-133-500/ 230C-9.0M	MEGGITT SAFETY SYSTEMS	2
APU Fire Overheat Detectors	3601-135-470/ 200C-3.5M	MEGGITT SAFETY SYSTEMS	1
Pylon Fire Overheat Detectors	3601-134-480/ 220C-2.7M	MEGGITT SAFETY SYSTEMS	2

CHAPTER 27 // FLIGHT CONTROLS

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
Stall Protection Computer	0020BN4	Rosemount	

CHAPTER 28 // FUEL SYSTEMS

Tank Capacity (Ltr. / Kg)5187 kg
 Fuel Tank ConfigurationLeft wing // Right wing
 Fuel Quantity Indication Unit (Lbs./Kgs)Kg

CHAPTER 31 // INDICATION AND RECORDING SYSTEMS

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
Flight Data Recorder, Solid-State	2100-4043-00	L3COMMUNICATIONS	1

CHAPTER 32 // LANDING GEAR

	Left Main	Right Main	Nose
Manufacturer	Liebherr	Liebherr	Liebherr
P/N/Model No	2309-3002-515	2309-3002-516	1170C0000-08
Serial Number	230	230	00574
TSN (hrs)	N/A	N/A	N/A
CSN (cyc)	19625	19625	19625
Tot hrs at O/H	N/A	N/A	N/A
Tot cyc at O/H	N/A	N/A	N/A
CSO	3918	3918	3918
Date last O/H	Sep 2021	Sep 2021	Dec 2021
O/H inter. Hrs	N/A	N/A	N/A
O/h Inter. Cyc.	20000	20000	20000
O/H inter. Mts.	144 Month	144 Month	144 Month
O/H due date.	Sep 2033	Sep 2033	Dec 2033

	Manufacturer	Size	Qty
Nose Wheels	Goodrich	19,5x6,75	2
Main Wheels	Goodrich	30x9,5	4
Brakes	Goodrich	Carbon	4

CHAPTER 34 // NAVIGATION

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
Display Unit DU-870	7014300-901	Honeywell	5
Data Acquisition Unit	7013348-949	Honeywell	2
Integrated Computer with AP IC-600	7017000-82430	Honeywell	1
Integrated Computer IC-600	7017000-83430	Honeywell	1
UNIT,CONTROL-INTEGRATED STANDBY INS	C16221GD04	THALES AVIONICS	1
Air Data Computer	7014700-622	Honeywell	2
Standby Magnetic Compass	C-5J	Amtek	1
Attitude and Heading Computer	HG2011AC03	Honeywell	2
Display Controller DC-550	7016986-505	Honeywell	2
Radio Altimeter Transceiver	7001840-937	Honeywell	2
Integrated NAV/ADF/DME	7510100-631	Honeywell	2
GPWS	965-0976-003-202-202	Honeywell	1
Weather Radar Controller WC-650	7008471-407	Honeywell	2
Weather Radar Transceiver	7021450-801	Honeywell	1
Radar Transceiver w/ Turbulence WU-870	7021450-801	Honeywell	1
TCAS II	7517900-55003	Honeywell	1
FMS Navigation Computer NZ-2000	7018879-03014	Honeywell	2
FMS Data Loader DL-900	7016600-901	Honeywell	1
FMS Control Display Unit CD-810	7007549-901	Honeywell	2
GPS Sensor Unit GNSSU	HG2021GD02	Honeywell	2
VOR Localizer Antenna	DMN4-17-1/N	Dorne & Margolin	2
ADF Antenna AT-860	7510300-901	Honeywell	2
TCAS Antenna	7514081-915	Honeywell	1
Marker Beacon Antenna	DM-N27-3	Dorne & Margolin	2
Glide Slope Antenna	S41422-2	Sensor Systems	1
Radio Altimeter Antenna	S67-2002	Sensor Systems	4
GPS Sensor Antenna	S67-1575-16	Sensor Systems	2
Transponder / DME Antenna	DMNI50-4-2	Dorne & Margolin	1

CHAPTER 36 // OXYGEN SYSTEMS

DESCRIPTION	PART NUMBER	MANUFACTURER	QTY
Passenger Mask	289-801-127-1	C&D AEROSPACE	80
Crew Mask	MC10-02-106 MC10-02-117	INTERTECHNIQUE	3
Smoke Goggles	MXP-210-00	INTERTECHNIQUE	3
Protective Breathing Equipment (PBE)	15-40F	L AIR LIQUIDE SA	3
Main Oxygen Cylinder	4441009-050	ETNA FOURS ET BRULEURS	1
Portable Oxygen Cylinder	176965-14	Puritan Benett	2

CHAPTER 49 // AIRBORNE AUXILIARY POWER

Date of manufacture29 Aug 2005
 Status date (as of)..... 09 Mar 2026

Manufacturer	Model	Serial No.	TSN	CSN
Hamilton	T-62T-40C14	SP-E0714941	7248.74	10232

Hard time interval (Hrs/Cyc) N/A
 On condition (Yes/No) YES

CHAPTER 52 // DOORS

Door: Reinforce Cockpit Door Installed
 Airstairs Installed

CHAPTER 72 // ENGINES – DATA TO BE SUBMITTED SEPARATELY FOR ASSIGNED ENGINES

FADEC Engine Control..... YES
Engine Status as of date
Engine Maintenance Program On Condition

Status date (as of): 09 Mar 2026

Engine #1: Serial No.: CAE312223

TSN	CSN
35661	29416

Engine #2: Serial No.: CAE311412

TSN	CSN
44791.9	34586

Engine Maintenance Program (Yes /No): Hardtime: ____or On-Condition: **Yes**
Engine Condition Monitoring (Yes/No): **Yes** - Outside Agency: JetCare Inc
Repair Agency:- Derate Policy in Place (Yes/No): **No** Percentage:

INTERIOR PICTURES

