

TECHNICAL SPECIFICATION

E190-100LR (CF34-10E6)

As at 28 Feb 2023

DESCRIPTION

Aircraft Model	E190-100LR
Aircraft Registration	TBD
Engine Type	CF34-10E6
State of Registration	TBD
Date of Manufacture	20 Oct 2011
Aircraft Age	11 Years 5 Months
Operator	TBD
ETOPS Provision	NO
Wingtip Modification	YES

GENERAL INFORMATION

Cabin Configuration:	110Y	Approach / Landing Category	CAT II
Seat Manufacturer:	Zodiac	Noise Compliance	ANAC RBHA Stage
Cabin Attendant Seats	3	Regulatory Standard	FAA
Flight Deck Observers	1	ETOPS Configuration	N/A
Galleys	2	Lavatories	2
Catering Standard	ATLAS		
Entertainment	NONE		

WEIGHTS & CAPACITY

	Operational		Purchased	
Max Take Off Weight	110,893 lbs	50,300 kgs	110,893 lbs	50,300 kgs
Max Landing Weight	94,799 lbs	43,000 kgs	94,799 lbs	43,000 kgs
Max Zero Fuel Weight	89,949 lbs	40,800 kgs	89,949 lbs	40,800 kgs
			Notes:	
Standard Fuel Capacity	4,297 USG	16,266 Litres		
Auxiliary Fuel Capacity	N/A USG	N/A Litres		

AIRFRAME MAINTENANCE STATUS

Total Hours	22,345					
Total Cycles	19,533					
Airframe Comments						
Check Name	Interval	Last FH and FC	Last Date	Next FH and FC	Next Date	Remaining
CPCP 120	120 Months	17,915 FH 14,213 FC	02 Nov 2019	N/A	02 Nov 2029	N/A
CPCP 72	72 Months	17,915 FH 14,213 FC	02 Nov 2019	N/A	02 Nov 2025	N/A
CPCP 96	96 Months	17,915 FH 14,213 FC	02 Nov 2019	N/A	02 Nov 2027	N/A
Structural Check	20,000 FC	17,915 FH 14,213 FC	02 Nov 2019	34,213 FC	08 Feb 2028	FC: 14,680

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MODIFICATION STATUS

Modification	Installed	Model
Altitude Pressure Switch	YES	
ADS-B Out	YES	
CVR with Datalink	YES	
SS CVR ULB 90	YES	Single combined unit CVFDR
SS FDR ULB 90	YES	Single combined unit CVFDR
CDSS	YES	
HF Radio	YES	
Winglets	YES	
8.33KHz Spacing	YES	TSO-C37d
FM Immunity	YES	
Reinforced Cockpit Door	YES	
ELT	YES	TSO-C126c
Cargo Fire Suppression	YES	
EGPWS	YES	TSO-C153
Enhanced Mode S	YES	TSO-C112d, TSO-C166b, ETSO-C112c
TCAS	YES	
RVSM	YES	

EQUIPMENT INSTALLED

Description	Qty	Manufacturer
COCKPIT VOICE RECORDER	1	Honeywell
HF TRANSCEIVER	2	Honeywell
VHF (8.33, FM, DL capable)	3	Honeywell
Emergency Exit Path Lighting	29	C & D Aerospace
ELT Portable	1	ELTA Division
ELT Fixed	1	Artex Aircraft Supplier
Escape Slides	4	GOODRICH
Flotation Devices	110	Safran Aerospace
FDR	1	Honeywell
Flight Deck printer	1	AstroNova
W-Gnd Link (DAR/QAR/WQAR)	1	Teledyne Controls
Nose Wheels	2	Michelin
Main Wheels	4	Michelin
Brakes (Carbon)	4	Aircraft/Braking System
ATC Transponder	2	Honeywell
ADIRU	2	Honeywell
ADF	2	Honeywell
DME	2	Honeywell
FCU	4	Honeywell
MCDU	2	Honeywell
EGPWC	1	Honeywell
Radio Altimeter	1	Honeywell
TCAS	1	ACSS
VOR/Marker Beacon Receiver	2	Honeywell
Weather Radar Transceiver	1	Honeywell
CMU	1	Honeywell

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TECHNICAL SPECIFICATION

E190-100LR (CF34-10E6)

Engine 1

Engine Manufacturer	GE	TSN	19,409
Engine Model	CF34-10E6	CSN	16,822
Engine Serial Number	424233	LLP Limiter Cycles Remaining	8,178
Date of Manufacture	13 Oct 2011	Status As Of	28 Feb 2023
Engine Notes		Current Power Rating	CF34-10E6

LAST SHOP VISIT

Date of Last Shop Visit	31 Jul 2019	Maintenance Facility	
Total FH at Shop Visit	14,980	FH Since Last Shop Visit	4,429
Total FC at Shop Visit	11,502	FC Since Last Shop Visit	5,320
Reason for Last Shop Visit	Performance and LPT		

LLP STATUS

Module	Description	Part Number	Serial Number	Cycles Limit	Cycles Used	Cycles Remaining
Fan Rotor	Booster Spool	B1316-02110	FBNF2186	25,000	16,822	8,178
Fan Rotor	Stage 1 Fan Rotor Disk	2050M52P04	FBNF2084	25,000	16,822	8,178
Fan Rotor	Fan Shaft	45P2303	GE001015	25,000	16,822	8,178
Compressor Rotor	Compressor Rotor Forward Shaft	2028M39P01	GATHTRKC	25,000	16,822	8,178
Compressor Rotor	Compressor Rotor Stages 1 and 2 Spool	2028M40G01	GWN0NR8J	25,000	16,822	8,178
Compressor Rotor	Compressor Rotor Stage 3 Disk	2028M41P01	XAE69946	25,000	16,822	8,178
Compressor Rotor	Compressor Rotor Stages 4-9 Spool	2028M42G03	GWN0NG4M	25,000	16,822	8,178
Compressor Rotor	Compressor Rotor Rear Rotating Air Seal (CDP Seal)	2028M43P03	GFF5G1E5	25,000	16,822	8,178
HPT Rotor	HPT Rotor Front Shaft	1865M47P02	XAEM0486	25,000	16,822	8,178
HPT Rotor	HPT Front Rotating Air Seal	2448M30P02	TMT182RL	25,000	5,320	19,680
HPT Rotor	HPT Rotor Disk	1865M51P03	XAEL7341	25,000	16,822	8,178
HPT Rotor	HPT Rear Shaft	1865M55P02	XAEK6996	25,000	16,822	8,178
LPT Rotor	Stage 1 LPT Disk	2226M14P02	JHV240BB	25,000	16,822	8,178
LPT Rotor	Stage 2 LPT Disk	2226M15P04	JHV271BD	25,000	16,822	8,178
LPT Rotor	Stage 3 LPT Disk	2226M16P05	JHV128BF	25,000	16,822	8,178
LPT Rotor	Stage 4 LPT Disk	2226M17P01	JHV161CD	25,000	16,822	8,178
LPT Rotor	Fan Drive Shaft	2226M21P04	JHV195AP	25,000	16,822	8,178
Combustion Case	Combustion Case	2070M47G03	SPK971J5	44,600	16,822	27,778

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TECHNICAL SPECIFICATION

E190-100LR (CF34-10E6)

ENGINE 2

Engine Manufacturer	GE	TSN	20,783
Engine Model	CF34-10E6	CSN	18,117
Engine Serial Number	424196	LLP Limiter Cycles Remaining	6,883
Date of Manufacture	20 Oct 2011	Status As Of	28 Feb 2023
Engine Notes		Current Power Rating	CF34-10E6

LAST SHOP VISIT

Date of Last Shop Visit	23 Aug 2019	Maintenance Facility	
Total FH at Shop Visit	16,354	FH Since Last Shop Visit	4,429
Total FC at Shop Visit	12,797	FC Since Last Shop Visit	5,320
Reason for Last Shop Visit	EPR		

LLP STATUS

Module	Description	Part Number	Serial Number	Cycles Limit	Cycles Used	Cycles Remaining
Fan Rotor	Booster Spool	B1316-02110		25,000	18,117	6,883
Fan Rotor	Stage 1 Fan Rotor Disk	2050M52P04		25,000	18,117	6,883
Fan Rotor	Fan Shaft	45P2303		25,000	18,117	6,883
Compressor Rotor	Compressor Rotor Forward Shaft	2028M39P01		25,000	18,117	6,883
Compressor Rotor	Compressor Rotor Stages 1 and 2 Spool	2028M40G01		25,000	18,117	6,883
Compressor Rotor	Compressor Rotor Stage 3 Disk	2028M41P01		25,000	18,117	6,883
Compressor Rotor	Compressor Rotor Stages 4-9 Spool	2028M42G03		25,000	18,117	6,883
Compressor Rotor	Compressor Rotor Rear Rotating Air Seal (CDP Seal)	2028M43P03		25,000	18,117	6,883
HPT Rotor	HPT Rotor Front Shaft	1865M47P02		25,000	18,117	6,883
HPT Rotor	HPT Front Rotating Air Seal	2448M30P02		25,000	11,129	13,871
HPT Rotor	HPT Rotor Disk	1865M51P03		25,000	18,117	6,883
HPT Rotor	HPT Rear Shaft	1865M55P02		25,000	18,117	6,883
LPT Rotor	Stage 1 LPT Disk	2226M14P02		25,000	18,117	6,883
LPT Rotor	Stage 2 LPT Disk	2226M15P04		25,000	18,117	6,883
LPT Rotor	Stage 3 LPT Disk	2226M16P05		25,000	18,117	6,883
LPT Rotor	Stage 4 LPT Disk	2226M17P01		25,000	18,117	6,883
LPT Rotor	Fan Drive Shaft	2226M21P04		25,000	18,117	6,883
Combustion Case	Combustion Case	2070M47G03		44,600	18,117	26,483

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LANDING GEAR

Manufacturer	Liebherr		
Position	Nose Gear	LH Wing Gear	RH Wing Gear
Serial Number	00490	00606	05614
Total Time Since New	22,345	22,345	22,345
Total Cycles Since New	19,533	19,533	19,533
Time Since Overhaul	N/A	N/A	N/A
Last Overhaul Date	Not Performed	Not Performed	Not Performed
Cycles Since Overhaul	N/A	N/A	N/A
Overhaul Interval	25,000 FC or 144 Months	25,000 FC or 144 Months	25,000 FC or 144 Months
Cycles Remaining	5,467	5,467	5,467
As of Date	28 Feb 2023	28 Feb 2023	28 Feb 2023
Brake Vendor	Meggitt		
Wheel Vendor	Meggitt		

APU

Manufacturer	Hamilton Sundstrand	Total APU FH	22,176
Model Number	APS-2300	Total APU FC	20,969
Serial Number	HSC-E1223969	Status As Of	28 Feb 2023

LAST SHOP VISIT

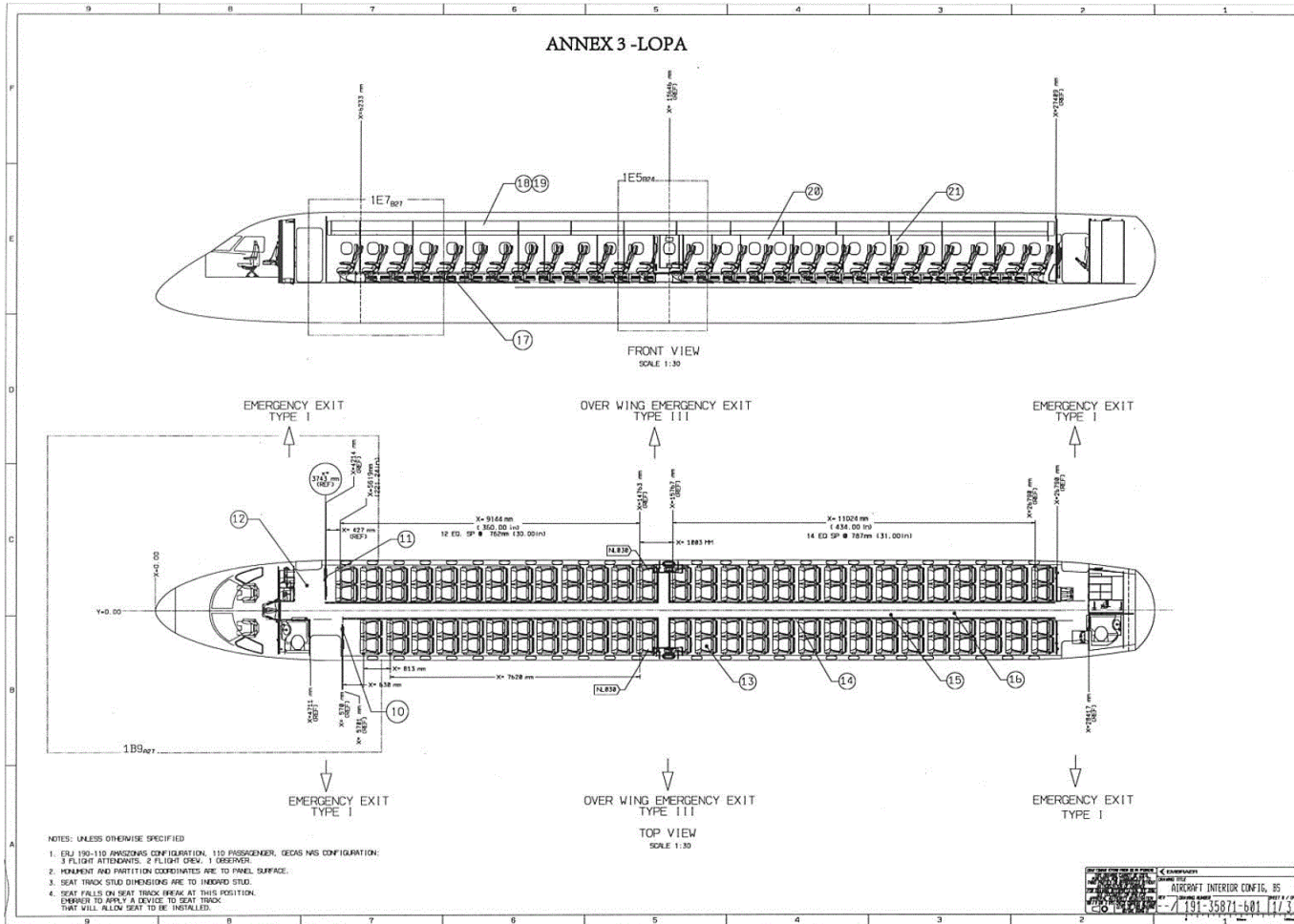
Date of Last Shop Visit	30 Sep 2019	APU FH Since Last Shop Visit	4,684
Total APU FH at Shop Visit	17,491	APU FC Since Last Shop Visit	5,904
Total APU FC at Shop Visit	15,065		

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E190-100LR (CF34-10E6)

LOPA



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