

Civil Aviation Authority

United Kingdom

FA9
Issue 13
January 1996
LOCKHEED
L1011-385-1
L1011-385-1-14
L1011-385-1-15
L1011-385-3

TYPE CERTIFICATE DATA SHEET NO. FA9

This data sheet, which is part of CAA Type Certificate No. FA9, prescribes conditions and limitations under which the product, for which the type certificate was issued, meets the airworthiness requirements of the Civil Aviation Authority.

In this case of a foreign manufactured type, the CAA type certification is based on the U.S. Federal Aviation Administration certification as issued under FAA Type Certificate No. A23WE.

Type Certificate Holder: Lockheed Aeronautical Systems Company
86 South Cobb Drive
Marietta,
Georgia 30063
USA

Manufacturer: Lockheed Aeronautical Systems Company

Type Design Definition: Model L-1011-385-1 Drawing List.
Model L-1011-385-3 Drawing List.

Model Numbers: L1011-385-1
L1011-385-1-14
L1011-385-1-15
L1011-385-3

Model Variants: L1011-385-1
Configurations 193N.

L1011-385-1-14
Configuration 193N.

L1011-385-1-15
Configurations 293C, 193A, 193N, 193U.

L1011-385-3
Configuration 193G, 193V

Certification Basis:

The following requirements were the basis of certification of the type design:

L1011-385-1
Configuration 193N

Except that compliance has been established with Issue 3 of UK Special Conditions dated 30 August 1974 in lieu of Issue 2.

FAR Part 1, 'Definitions and Abbreviations

FAR Part 21, 'Certification Procedures for Products and Parts'.

FAR Part 25, 'Airworthiness Standards: Transport Category Airplanes' including Amendments 1 through 18, 20; FAR Parts 25.145(c), 25.683 and 25.1333 of Amendment 25-23; FAR Part 25.1333 of Amendment 25-24; FAR Part 25.1459 of Amendment 25-25.

FAR Part 36, 'Noise Standard: Aircraft Type Certification'.

Special Conditions No. 25-17-WE-6 dated 7 January 1970 and Special Conditions No. 25-17-WE-6 Amendment 1 dated 3 December 1971.

L1011-385-1-14
Configuration 193N

As above except that compliance has been established with Issue 5 of UK Special Conditions dated 14 December 1980.

L1011-385-1-15
Configurations 193U and 193A

As above except that compliance has been established with Issue 3 of UK Special Conditions dated 30 August 1974 in lieu of Issue 2.

L1011-385-1-15
Configurations 293C and 193N

As 193N above except that compliance has been established with Issue 4 of UK Special Conditions dated 16 April 1980, and with:

Special Conditions 25-17-WE-6 Amendment 2 dated 13 April 1979.

Special Conditions 25-58-WE-17 dated 26 September 1974 and Amendment 1 dated 13 April 1979.

The following optional requirements have been established:

Ditching Provisions FAR Part 25.801. Ice Protection provisions FAR Part 25.1585. Fuel Venting and Exhaust Emission Requirements for Turbine Engine Powered Airplanes, SFAR Part 27 dated 1 February 1974.

L1011-385-3
Configuration 193V, 193G

As above except that compliance has been established with Issue 5 of UK Special Conditions dated 14 December 1980. Additional UK Special Condition Issue 5 item 12(6) 14 December 1980 for extended span wings and an active control system.

Certification Category:

Transport Category (Passenger)

Performance Category:

UK Group A (JAA Class A)

Flight Manual:

The limitations, recommended procedures and information required are contained in the following Flight Manuals.

L1011-385-1
Configuration 193N.

FAA approved UK Flight Manual LR 25927. Containing the pages listed on Log of Pages BA1

L1011-385-1-14
Configuration 193N

FAA approved UK Flight Manual LR 25927 as amended by Revision 42.

L1011-385-1-15
Configurations 293C, 193N, 193U, 193A.

FAA approved UK Flight Manual LR 25927 containing the pages appropriate to, and coded for, the configuration of the aircraft.

L1011-385-3
Configuration 193V, A93G

FAA approved UK Flight Manual LR 25927 containing the pages Appropriate to, and coded for the configuration of the aircraft.

Engines:

L1011-385-1
Configuration 193N

Three Rolls Royce RB211-22B-02 main propulsion units.
CAA Engine Type Certificate Data Sheet No, 1039.

L1011-385-1-14
Configuration 193N

Three Rolls Royce RB211-22B-02 main propulsion units.
CAA Engine Type Certification Data Sheet No. 1039.

L1011-385-1-15
Configurations 193N, 293C, 193A and 193U.

Three Rolls Royce RB211-524B-02 main propulsion units.
CAA Engine Type Certification Data Sheet No. 1043.

L1011-385-3
Configuration 193V

Three Rolls Royce RB211-524B-02 main propulsion units.
CAA Engine Type Certification Data Sheet No. 1043

L1011-385-3
Configuration 193G

Three Rolls Royce RB211-524B4-02 main propulsion units.
CAA Engine Type Certificate Data Sheet No.1043.

NOTE: The RB211-22C-02 and RB-211-22CA-02 engines were
deleted from the CAA Engine Type Certification Data
Sheet No. 1039 in December 1974.

APU:

All Configurations:

One Hamilton Standard ST6L-73 auxiliary power-unit.

TCDS No. or equivalent -TSO-C077.

Maximum Weights:

Maximum taxiing weight:

L1011-385-1 432 000 lb (195 952 kg)
Configurations 193 N

L1011-385-1-14 475 978 lb (215 900 kg)
Configuration 193N

L1011-385-1-15 468 000 lb (212 281 kg)
Configurations 193A, U, 293C
and 193N

L1011-385-3 506 000 lb (229 518 kg)
Configuration 193Vand 193G

Maximum take-off weight:

L1011-385-1 Configuration 193N	430 000 lb (195 045 kg)
L1011-385-1-14 Configuration 193N	474 000 lb (215 000 kg)
L1011-385-1-15 Configuration 193A and 293C and 193N	466 000 lb (211 374 kg)
L1011-385-1-15 Configuration 193U with 52 x 20.5-20 34PR or 52 x 20.5-20 36PR main-wheel tyres	466 000 lb (211 374 kg)
L1011-385-1-15 Configuration 193U with 50 x 20-20 32 PR main-wheel tyres	450 000 lb (204 117 kg)
L1011-385-3 Configuration 193V, 103G	504 000 lb (228 611 kg)

Maximum landing weight:

L1011-385-1 Configuration 193N	358 000 lb (162 386 kg)
L1011-85-1-14 Configuration 193N	367 951 lb (166 900 kg)
L1011-385-1-15 Configuration 193A, 193U, 293C and 193N	368 000 lb (166 922 kg)
L1011-385-3 Configuration 193V, G	367 951 lb (166 900 kg)

Maximum zero fuel weight:

L1011-385-1 Configuration 193 N	325 000 lb (147 418 kg)
L1011-385-1-14 Configuration 193N	337 968 lb (153 300 kg)
L101-385-1-15 Configuration 193A, 193U, 293C and 193N	320 000 lb (145 150 kg) at 466 000 lb TOW 330 000 lb (149 685 kg) at 450 000 lb TOW 338 000 lb (153 314 kg) at 440 000 lb TOW
L1011-385-3 Configuration 193V, G	338 000 lb (153 314 kg)

Dimensions:

L1011-385-1
L1011-385-1-14
L1011-385-1-15

Length	178 ft 7 in
Wing Span	155 ft 4 in
Height	55 ft 4 in

L1011-385-3

Length	164 ft 2 in
Wing Span	164 ft 4 in
Height	55 ft 4 in

Minimum Crew:

Three pilots, or two pilots and one flight engineer.

Maximum Occupants/Passengers:

Configuration 193A
Number of persons, including crew, not to exceed 350.
Number of passengers not to exceed 345.

Configuration 193N and 293C
Number of persons, including crew, not to exceed 417.
Number of passengers not to exceed 400.

Configuration 193 and 193U
Number of persons, including crew, not to exceed 358.
Number of passengers not to exceed 345.

Configuration 193V, G
Number of persons, including crew, not to exceed 331.
Number of passengers not to exceed 315.

In all configurations the maximum number of passengers is limited by the demonstrated simulation of crash evacuation, and the number and size of emergency exits.

Operating Limitations:

Refer to the appropriate FAA Approval Flight Manual.

Mandatory Maintenance Instructions:

Life Limited Parts
Lockheed Report LR-27328
Rolls Royce RB211-22 and RB211-524 Series Overhaul Manuals.

United Technologies Corp., Hamilton Standard, Maintenance and Overhaul Recommendation for the Hamilton Standard L1011 Air Conditioning, Starting and APU Systems 21-31-08A, 49-00-02A, 49-00-03A.

Structural Repairs
Lockheed Model L1011-385-1, L1011-385-1-14, L1011-385-1-15 and L1011-385-3 Structural Repair Manual.

Schedule Maintenance Checks
Lockheed L1011 Maintenance Review Board Report.

Noise:

CAA Noise Type Certificate No. 9, Issue 3 dated 10 October 1989.

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