UNITED KINGDOM
CIVIL AVIATION AUTHORITY

FA43
Issue 3
March 2003
Fairchild Aircraft
SA227-AC
Metro III

TYPE CERTIFICATE DATA SHEET NO. FA43

This data sheet is a part of CAA Type Certificate No. FA43 and gives the basis upon which the Certificate was issued, together with other information to define the product.

TYPE CERTIFICATE HOLDER: Fairchild Aircraft Corporation
PO Box 790490
San Antonio
Texas 78289-0490
USA

MANUFACTURER: Fairchild Aircraft Corporation
PO Box 790490
San Antonio
Texas 78289-0490
USA

AIRCRAFT TYPE DESIGNATION: SA 227-AC METRO III

VARIANT DESIGNATIONS: -

CERTIFICATION BASIS

FAR 23 effective 1 February 1965 through Amendments 23-6; Special Conditions outlined in FAA letters 19 November 1965, 22 August 1967; 5 February 1968 and 4 April 1968; SFAR 23; and Amendment C of SFAR 41 including paragraph 4(c) and the compartment interior requirements of 25.853(a), (b), (b-1), (b-2) and (b-3) in effect on 26 September 1978; FAR 23.175(d) of Amendment 23-14; and FAR 25 Appendix C. No exemptions.

The United Kingdom Additional Requirements for the Fairchild SA 227-AC Metro III, 10 August 1988.

FLIGHT MANUAL

The limitations, recommended procedures and information required are contained in the following Flight Manual:

FAA Approved United Kingdom Flight Manual for the Fairchild Aircraft Model SA 227-AC Metro III, Ref. No. AFM KAC.

AIRWORTHINESS CATEGORY

UK: Transport Category (Passenger)

PERFORMANCE GROUP

UK: Group A

MINIMUM CREW

UK: Two pilots

MAXIMUM NUMBER OF OCCUPANTS

The total number of occupants carried, including crew, shall not exceed 21 and shall not exceed the number for which seating accommodation approved for take-off and landing is provided.

POWER UNIT

Engines: Two Garrett TPE331-11U-601G or 611G (Dowty Rotol propellers) or TPE331-11U – 612G (McCauley propellers).

Propellers: Two Dowty Rotol R.321/4-82-F/8 or McCauley 4HFR34C652 ( )/( ) – L106LA-0 fully feathering, reversible, constant speed, four bladed.

FUEL CAPACITY

The capacity of the fuel tanks in Imperial gallons, is:

Tank	Usable	Unusable	Total
Left Right	269.8 269.8	1.7 1.7	271.5 271.5
Total	539.6	3.4	543.0

OIL CAPACITY

The capacity of each engine oil system is 11.7 Imperial pints.

MAXIMUM WEIGHTS

The maximum certified weights are:

Maximum ramp weight	14 600 lb (6622 kg)
Maximum take-off weight	14 500 lb (6577 kg)
Maximum landing weight	14 000 lb (6350 kg)
Maximum zero fuel weight	13 500 lb (6124 kg)

NUMBER OF WHEELS AND MAXIMUM TYRE PRESSUES

Number of wheels in nose-wheel unit:	2
Number of main-wheel units:	2

Number of wheels in each main-wheel unit:		2
Maximum pressures:	Nose wheels	55 lb/in^2
	Main wheels	87 lb/in^2

MANDATORY MAINTENANCE INSTRUCTIONS AND LIFE LIMITATIONS

Airframe Airworthiness Limitations Manual ST-UN-M001 and Fairchild Supplemental Inspection Document.

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