CIVIL AVIATION AUTHORITY
UNITED KINGDOM

BA21
Issue 4
June 2001
OA7 Optica, Series: 100/200
301

TYPE CERTIFICATE DATA SHEET NO. BA21

This data sheet is part of CAA Type Certificate No. BA21, and gives the basis upon which the Certificate was issued, together with other information to define the product.

Type Certificate Holder: Refer to Aircraft Projects Department, CAA

Aircraft Manufacturer: FLS Aerospace (Lovaux) Ltd.,

Type to which the Certificate relates: OA7 Optica

CERTIFICATION BASIS

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

BCAR Section C	-	Engines and Propellers - Issue 13 dated August 1981
BCAR Section K	-	Light Aeroplanes - Issue 6 dated April 1974
BCAR Section J	-	Electrical - Issue 3 dated September 1976
BCAR Section R	-	Radio - Issue 4 dated April 1974
BCAR Section N	-	Noise - Issue 2 dated November 1978

BCAR Blue Papers: K600 dated April 1982
647 dated November 1979
673 dated March 1978
731 dated August 1979
738 dated September 1979
775 dated April 1982

CAA Airworthiness Notices: No.33 dated February 1972
No 53 dated June 1970
No.54 dated June 1970
No.91 dated November 1980

FLIGHT MANUAL

The limitations, recommended procedures and information required are contained in Flight Manual documents:-

Series 100/200: OA7/TP/01
Series 301: OA7/TP/23

AIRWORTHINESS CATEGORY

Transport Category (Passenger)

PERFORMANCE GROUP

UK Group D

MINIMUM CREW

One Pilot.

MAXIMUM NUMBER OF OCCUPANTS

Three, including one pilot.

NOTE: This above is the maximum for the model and is limited by the number of seats available.

POWER UNITS

One Avco Lycoming IO-540-V4A5D engine fitted with a Hoffman HO-E315/122EZ ducted fan.

FUEL CAPACITY

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

Tank Number or Position	Usuable	Unusable	Total
Port	27.50	.66	28.16
Starboard	27.50	.66	28.16
Total	55.00	1.32	56.32

OIL CAPACITY

The oil system capacity is 1.7 Imp. gallons.

MAXIMUM WEIGHTS

Maximum take-off weight	2900 lb (1315kg)
Maximum landing weight	2900 lb (1315kg)
Maximum zero fuel weight	2734 lb (1240 kg)

NUMBER OF WHEELS AND MAXIMUM TYRE PRESSURES

Number of wheels	Three: Single nose wheel and two single main wheels.	
Maximum tyre pressures:	Nose wheel	54 lb/in²
	Main wheels	42 lb/in²

STALL WARNING

Artifical stall warning is provided aurally by equipment consisting of a vane and a horn.

- END -