UNITED KINGDOM
CIVIL AVIATION AUTHORITY

BB16
Issue 2
Models: Thunder AX8-90 S2, AX8-105 S2, AX9-120 S2, AX9-140 S2, AX10-150 S2, AX10-160 S2, AX10-180 S2, AX11-210 S2, AX11-225 S2, AX11-250 S2
Date: 14 June 2001

TYPE CERTIFICATE DATA SHEET No. BB16

This data sheet prescribes conditions and limitations under which the product for which the Type Approval was issued meets the airworthiness requirements of the United Kingdom Civil Aviation Authority.

TYPE DESIGN ORGANISATION: Cameron Balloons Ltd.
Thunder & Colt
St. John's Street
Bedminster
Bristol
BS3 4NH

MANUFACTURER: Cameron Balloons Ltd.

Models Thunder: AX8-90 S2, AX8-105 S2, AX9-120 S2, AX9-140 S2, AX10-150 S2, AX10-160 S2, AX10-180 S2, AX10-210 S2, AX11-225 S2, AX11-250 S2 Hot Air Balloons.

Envelope	Volume		Drawing	Build Standard Refer to Flight Manual	Date Approved
	cu.ft	cu.m			
AX8-90 S2	90 000	2550	CB 1082	D2	01-01-77
AX8-105 S2	105 000	2970	CB 1089	E2	05-03-74
AX9-120 S2	120 000	3400	CB 1105	F2	01-09-91
AX9-140 S2	140 000	3970	CB 1079	G2	01-12-78
AX10-150 S2	150 000	4250	CB 1344	V2	04-03-99
AX10-160 S2	160 000	4530	CB 1140	H2	01-04-91
AX10-180 S2	180 000	5100	CB 1141	I2	01-07-91
AX10-210 S2	210 000	5950	CB 1142	J2	02-03-95
AX11-225 S2	225 000	6375	CB 1200	Q2	10-03-97
AX11-250 S2	250 000	7080	CB 1194	P2	27-02-97

Basket and Burner — As listed on the build standards referred to in the above table.

Fuel — Commercial propane

Maximum Envelope Temperature — 120° C

Fuel system — Minimum two independent tanks with provision to supply pilot lights (double burner), three such tanks for triple burner. Extra tanks may be used. Refer to Flight Manual Build Standard.

Maximum weight

The maximum weight of the balloon is the lesser of the figures given below or the weight calculated in accordance with the flight manual, section 1.

Balloon Type	Maximum weight (Kg)	Balloon Type	Maximum weight (Kg)
AX8-90 S2	900	AX10-160 S2	1600
AX8-105 S2	1050	AX10-180 S2	1800
AX9-120 S2	1200	AX10-210 S2	2100
AX9-140 S2	1400	AX11-225 S2	2250
AX10-150 S2	1500	AX11-250 S2	2500

Minimum Equipment

Minimum equipment and eligible equipment is listed in the approved flight manual.

Minimum crew

One (1) pilot.

Maximum occupants

Not to exceed maximum weight restriction (see Flight Manual).

Serial Nos. eligible

All.

Data applicable to all models

Maintenance and inspection

Maintenance and inspection of these balloons must be carried out in accordance with Maintenance Schedule MS/BBAC/1-S for continued airworthiness. See note 1.

Certification basis

British Civil Airworthiness Requirements, Part 31, issue dated 31/8/84, Appendix 1 to CAA letter ref 9/30/IPA dated 27/2/1989.

Airworthiness Categories

UK: Private, Aerial work, Transport (passenger)

Flight manual

Balloons Hot Air Balloon Flight Manual, at latest issue.

Note 1

For the purpose of maintenance and inspection log books must be maintained with each hot air balloon envelope. If the burner, basket, instruments and/or tanks are interchanged, they must be listed in the log book of each envelope with which they are used.

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