

# ***European Aviation Safety Agency***

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**EASA**

**TYPE CERTIFICATE  
DATA SHEET**

## **CAMERON GB SERIES GAS BALLOONS**

*Manned Free Gas Balloon*

**Type Certificate Holder:**

**Cameron Balloons Ltd.**  
Bristol, United Kingdom

**Manufacturer:**

**Cameron Balloons Ltd.**  
Bristol, United Kingdom

Variants: GB1000

Issue 1: 3 August 2011

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## **SECTION 2: GB1000**

## **SECTION 1: General**

### **I. General**

1. Data Sheet No. EASA.BA.521	Issue Date: 3 August 2011
2. Type/Variant or Model	
(a) Type:	Cameron GB Series
(b) Variant or Model:	Refer to Section 2
3. Airworthiness Category	Standard
4. Type Certificate Holder	Cameron Balloons Ltd. St Johns Street Bedminster Bristol BS3 4NH United Kingdom
5. Manufacturer	Cameron Balloons Ltd. St Johns Street Bedminster Bristol BS3 4NH United Kingdom
6. EASA Type Certification Date	3 August 2011

### **II. Certification Basis**

1. Reference Date for Determining the Applicable Requirements	18 May 2011 [Ref: CRI A-01, Issue 2, dated 1 August 2011]
2. Airworthiness Requirements	CS 31GB (version NPA 2011-01, 7 February 2011)
3. Special Conditions	none
4. Reversions and Exemptions	none
5. Equivalent Safety Findings	none

### **III. Technical Characteristics and Operational Limitations**

1. Type Design Definition	Refer to Section 2
2. Description	Manned free gas balloon
	2.1 <u>Envelope</u> Natural shape netless envelope with 16 vertical load tapes; manually operated valve; automatic pressure relief with manual override; chimney rip deflation system; electrostatically conductive
	2.2 <u>Basket</u> Refer to Section 2 and Cameron Balloons Gas Balloon Flight Manual and Supplements - Issue 1, or later EASA-approved revision
	2.3 <u>Load Ring</u> Refer to Section 2 and Cameron Balloons Gas Balloon Flight Manual and Supplements - Issue 1, or later EASA-approved revision
3. Equipment	1 Rate of climb/descent indicator 1 Altimeter 1 Cutting knife 1 Timepiece Equipment is listed in the Cameron Balloons Gas Balloon Flight Manual and Supplements - Issue 1, or later EASA-approved revision

- |                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| 4. Minimum Ballast    | 65 kg                                                                                      |
| 5. Maximum Mass       | Refer to Section 2.<br><u>Note:</u> MTOM=Maximum Take-Off Mass<br>MLM=Minimum Landing Mass |
| 6. Minimum Crew       | One (Pilot)                                                                                |
| 7. Maximum Occupants  | Six (including pilot)                                                                      |
| 8. Life Limited Parts | Refer to Maintenance Manual                                                                |
| 9. Lifting Gas        | Hydrogen (H <sub>2</sub> ), Helium (He)                                                    |

**IV. Operating and Service Instructions**

- |                           |                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Operating Instructions | Cameron Balloons Gas Balloon Flight Manual and Supplements - Issue 1, or later EASA-approved revision      |
| 2. Service Instructions   | Cameron Balloons Gas Balloon Maintenance Manual and Supplements - Issue 1, or later EASA-approved revision |

**V. Notes**

none

**SECTION 2: GB1000**

Manned free netless gas balloon of natural shape with 16 gores and 16 free load tapes. The envelope general assembly is defined by drawing CB1633. The definition is listed in Table 1.

Table 1: GB1000; Definitions, Limitations and Eligible Equipment

Model	Volume [m <sup>3</sup> ]	Volume [cu ft]	Drawing	MTOM [kg]	MLM [kg]	Basket/Load Frame category	Date
GB1000	1 040	36 722	CB1633	1 060	---	C, D, E, F, G	03-08-2011

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