UNITED KINGDOM
CIVIL AVIATION AUTHORITY

BAS7
Issue 1
July 1999
CAMERON BALLOONS
AS80MkII, AS80GD,
AS105MkII, AS105GD,
AS120MkII

TYPE CERTIFICATE DATA SHEET No. BAS7

This data sheet is part of CAA Type Certificate No. BAS7 and gives the basis upon which the certificate was issued, together with other information to define the product.

AIRCRAFT MANUFACTURER: Cameron Balloons Ltd
St. Johns Street
Bedminster
Bristol
BS3 4NH

Type to which the certificate relates: AS80MKII, AS80GD, AS105MKII, AS105GD, AS120MKII.

CERTIFICATION BASIS:

The following requirements were the basis of the AS80MKII, AS80GD, AS105MKII, AS105GD, AS120MKII type design:

BCAR 31, Issue 1, 31 August 1984
BCAR Paper No. 696 (Draft) 27 January 1978.

FLIGHT MANUAL:

The limitations, recommended procedures and information required are contained in the following CAA approved Flight and Maintenance Manual (Maintenance Manual as combined with Flight Manual):

AS-GD

AIRWORTHINESS CATEGORY:

UK: Aerial Work

PERFORMANCE GROUP:

UK: This airship has no performance group classification.

MINIMUM CREW:

One Pilot.

MAXIMUM NUMBER OF OCCUPANTS:

Number of persons, including crew, not to exceed:

AS80MKII, AS80GD, AS105MKII, AS105GD, AS120MKII
2

POWER UNITS:

One Rotax 462 fitted with Farr 62” x 40” two bladed fixed pitch propeller.

One Rotax 462 fitted with Junkers Profly Stratos 160/R/3 fixed pitch propeller (Mod 83).

One Rotax 582UL fitted with Junkers Profly Stratos 160/R/4 fixed pitch propeller (Mod 93).

One Rotax 582UL fitted with Helix-Kunststofftechnik 1.6 RS fixed pitch propeller (Mod 101).

FUEL CAPACITY:

Two stroke mixture - 50:1 Ratio Regular or Premium Gasoline Octane number not below NON 83 or RON 90 (unleaded preferred) : Super-two stroke oil. ASTM/CEC Standard TSC 3.

Tank Number	Usable (Imp.gal)	Unusable (Imp.gal)	Total (Imp.gal)
One	6.03	0.13	6.16

PROPANE:

Two cylinders (24.2 Imp. gal or 30.8 Imp. gal).

MAXIMUM WEIGHTS:

Maximum take-off and landing weight:

AS80MKII	AS80GD	AS105MKII/AS105GD/AS120MKII
1410 lb (640 kg)	1500 lb (680 kg)	1874 lb (850 kg)

NUMBER OF WHEELS AND MAXIMUM TYRE PRESSURES:

(a) Number of wheels in nose wheel unit 2

(b) Number of wheels in each main-wheel unit 1

(c) Maximum tyre pressures 32 lbf/in2

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