

CIVIL AVIATION AUTHORITY OF THE CZECH REPUBLIC

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| 85-01 Revision 3 BALÓNY KUBÍČEK spol. s r.o. AB 2 AB 2a 15.07.2005 |
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TYPE CERTIFICATE DATA SHEET No. 85-01

This data sheet which is a part of Type Certificate No. 85-01 prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Czech Republic.

| Model | Application Date | Certification Date |
|--------------|-------------------------|---------------------------|
| AB 2 | 01.01.1985 | 01.08.1985 |
| AB 2a | - | 18.05.1987 |

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Model AB 2

I. General

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| 1. Data Sheet No.: | 85-01 |
| 2. Model: | AB 2 |
| 3. Airworthiness category: | Normal |
| 4. Type Certificate Holder: | BALÓNY KUBÍČEK spol. s r.o. Francouzská 81 602 00 Brno |
| 5. Manufacturer: | 114 (714) ZO Svazarmu, Aviatik klub Hlinky 164 602 00 Brno |
| 6. Application Date: | 01.01.1985 |
| 7. Certificate Date: | 01.08.1985 |

II. Certification Basis

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| 1. Certification Basis: | Federal Aviation Regulations, Part 31 - Airworthiness Standards: Manned Free Balloons, Amdt. 31-4, dated 11 September 1980 |
| 2. Special Conditions: | None |
| 3. Exemptions: | None |
| 4. Equivalent Safety Findings: | None |

III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing documentation No. 500 000, dated 1. 8. 1985
2. Description: The free hot-air balloon with the natural shaped envelope of the 2190 m³ volume is sewed of 28 polyamide gores. The parachute is used for closing of the vent opening. The single backed burner is the heat source for the envelope. The basket is cane-work connected with the envelope by means of stainless-steel wires and carabiners with a screw gate. Two cylinders of 2x30 kg fuel capacity (propan of common quality) are horizontally fixed in the basket, the equipment and instruments are attached on the inner side of the basket.
3. Equipment:
 - Altimeter
 - Variometer
 - Thermometer for internal envelope measuring
 - Melting link for the envelope overheating check
 - Fuel quantity gauge
 - Double fire equipment
 - Dropline
 - Fire extinguisher
 - Heat-resistant cloth
 - First aid kit
4. Envelope AB 2 2190 m³ Volume
5. Burner: HB 1 single backed
6. Basket: - 1.1 x 1.1 m, Height 1.1 m
7. Weights: Maximum take-off weight:
 - AB 2 550 kg
8. Envelope temperature: max. 110 °C
9. Minimum Flight Crew: 1 Pilot
10. Number of passengers on board: max. 4 persons
11. Other Limitations: The balloon is approved for Day VFR flight.

IV. Operating and Service Instructions

1. Letová příručka pro horkovzdušný balón (č. dokumentu: B.0101)
2. Flight manual for use with the hot air balloon (document No.: B.0102)
3. Flughandbuch für Heißluftballon (Dokument-Nr.: B.0103)
4. Příručka pro údržbu horkovzdušného balónu (č. dokumentu: B.0201)
5. Maintenance manual for use with the hot air balloon (document No.: B.0202)

V. Notes

- 1. TC EASA.BA.001 has been issued for type AB2 on February 8, 2005.**

Model AB 2a

IV. General

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| 1. Data Sheet No.: | 85-01 |
| 2. Model: | AB 2a |
| 3. Airworthiness category: | Normal |
| 4. Type Certificate Holder: | BALÓNY KUBÍČEK spol. s r.o. Francouzská 81 602 00 Brno |
| 5. Manufacturer: | Aerotechnik podnik ÚV Svazarmu 686 04 Kunovice |
| 6. Application Date: | - |
| 7. Certificate Date: | 18.05.1987 |

V. Certification Basis

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|--------------------------------|--|
| 1. Certification Basis: | Federal Aviation Regulations, Part 31 - Airworthiness Standards: Manned Free Balloons, Amdt. 31-4, dated 11 September 1980 |
| 2. Special Conditions: | None |
| 3. Exemptions: | None |
| 4. Equivalent Safety Findings: | None |

VI. Technical Characteristics and Operational Limitations

12. Type Design Definition: Drawing documentation No. 500 000, dated 18. 5. 1987
13. Description: The free hot-air balloon with the natural shaped envelope of the 2190 m³ volume sewed of 28 polyamide gores. The parachute is used for closing of the vent opening. The single backuiped burner is the heat source for the envelope. The basket is cane-work connected with the envelope by means of stainless-steel wires and carabiners with a screw gate. Two cylinders of 2x30 kg fuel capacity (propan of common quality) are horizontally fixed in the basket, the equipment and instruments are attached on the inner side of the basket.
14. Equipment: Altimeter
Variometer
Thermometer for internal envelope measuring
Melting link for the envelope overheating check
Fuel quantity gauge
Double fire equipment
Dropline
Fire extinguisher
Heat-resistant cloth
First aid kit
15. Envelope AB 2 2190 m³ Volume
16. Burner: HB 1 single backuiped
17. Basket: - 1.1 x 1.1 m, Height 1.1 m
18. Weights: Maximum take-off weight:
AB 2 600 kg
19. Envelope temperature: max. 110 °C
20. Minimum Flight Crew: 1 Pilot
21. Number of passengers on board: max. 4 persons
22. Other Limitations: The balloon is approved for Day VFR flight.

IV. Operating and Service Instructions

1. Letová příručka pro horkovzdušný balón (č. dokumentu: B.0101)
2. Flight manual for use with the hot air balloon (document No.: B.0102)
3. Flughandbuch für Heißluftballon (Dokument-Nr.: B.0103)
4. Příručka pro údržbu horkovzdušného balónu (č. dokumentu: B.0201)
5. Maintenance manual for use with the hot air balloon (document No.: B.0202)

V. Notes

- 1. EASA TC No. EASA.BA.001 has been issued for type AB2 balloons on February 8, 2005**