

# CIVIL AVIATION AUTHORITY OF THE CZECH REPUBLIC

90-02 Revision 2 BALÓNY KUBÍČEK spol. s r.o. AB 8 15.07.2005
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## TYPE CERTIFICATE DATA SHEET No. 90-02

This data sheet which is a part of Type Certificate No. 90-02 prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Czech Republic.

<b>Model</b>	<b>Application Date</b>	<b>Certification Date</b>
AB 8	-	04.09.1990

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## Model AB 8

### I. General

1. Data Sheet No.: 90-02
2. Model: AB 8
3. Airworthiness category: Normal
4. Type Certificate Holder: BALÓNY KUBÍČEK spol. s r.o.  
Francouzská 81  
602 00 Brno
5. Manufacturer: since 26.06.1990  
Aerotechnik podnik ÚV Svazarmu  
686 04 Kunovice
- since 16.01.1991  
Aerotechnik p.o.s.  
686 04 Kunovice
- since 12.09.1994  
Aerotechnik s.r.o.  
686 04 Kunovice
6. Application Date: -
7. Certificate Date: 04.09.1990

### II. Certification Basis

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 4.9.1990
2. Description: The free hot-air balloon with the natural shaped envelope of 3000 m<sup>3</sup> volume, sewed from 24 polyester gores. The parachute is used for closing of the vent opening. As option, the envelope can be equipped with rotation vent. The double 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 20x30 kg fuel capacity (propan of common quality) are horizontaly fixed in the basket, the equipment and instruments are fixed 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 8 3000 m<sup>3</sup> Volume
5. Burner: HB2 double
6. Basket: J1 1.23 x 1.23 m, výška 1.00 m  
J2 1.23 x 1.35 m, výška 1.00 m
7. Weights: Maximum take-off weight:  
N30 900 kg
8. Envelope temperature: max. 120 °C
9. Minimum Flight Crew: 1 Pilot
10. Number of passengers on board: max. 6 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. EASA TC No. EASA.BA.002 has been issued for type AB8 balloons on February 8, 2005.