

No. of occupants:	Basket size	Dimensions [cm]	max. occupants
	II	95 x 80 x 110	2
	III	100 x 95 x 110	3
	IV	125 x 105 x 110	4
	V	135 x 115 x 110	5

III. Free Balloon Model K-780/2-Stu, approved August 7, 1990

Description	(a) Diameter	max. 11,4 m (37,4 ft)
	(b) Displacement	631 - 780 m ³ (22.281 - 27.542 ft ³)
	(c) Lifting gases	Hydrogen, citygas, helium
	(d) Ballast provisions	Sand bags; min. for take off: 4 each 15 kg (33 lbs)
	(e) Max. weight	Hydrogen 1,16 kg/m ³ (0,072 lbs/ft ³) Citygas 0,70 kg/m ³ (0,044 lbs/ft ³) Helium 1,11 kg/m ³ (0,069 lbs/ft ³)
	(f) Empty weight	190 - 340 kg (418 - 748 lbs)

No. of occupants:	Basket size	Dimensions [cm]	max. occupants
	III	100 x 95 x 110	3
	IV	125 x 105 x 110	4
	V	135 x 115 x 110	5
	VI	145 x 125 x 110	6
	Leichtbaukorb	125 x 105 x 110	4

IV. Free Balloon Model K-945/2-Stu, approved August 7, 1990

Description	(a) Diameter	max. 12,2 m (40,1 ft)
	(b) Displacement	781 - 945 m ³ (27.577 - 33.368 ft ³)
	(c) Lifting gases	Hydrogen, citygas, helium
	(d) Ballast provisions	Sand bags; min. for take off: 5 each 15 kg (33 lbs)
	(e) Max. weight	Hydrogen 1,16 kg/m ³ (0,072 lbs/ft ³) Citygas 0,70 kg/m ³ (0,044 lbs/ft ³) Helium 1,11 kg/m ³ (0,069 lbs/ft ³)
	(f) Empty weight	200 - 350 kg (440-770 lbs)

No. of occupants:	Basket size	Dimensions [cm]	max. occupants
	IV	125 x 105 x 110	4
	V	135 x 115 x 110	5
	VI	145 x 125 x 110	6
	Leichtbaukorb	125 x 105 x 110	4

V. Free Balloon Model K-1000/3-Stu, approved August 7, 1990

Description	(a) Diameter	max. 12,4 m (40,7 ft)
	(b) Displacement	945 - 1050 m ³ (33.368 - 37.076 ft ³)
	(c) Lifting gases	Hydrogen, citygas, helium
	(d) Ballast provisions	Sand bags; min. for take off: 5 each 15 kg (33 lbs)
	(e) Max. weight	Hydrogen 1,16 kg/m ³ (0,072 lbs/ft ³) Citygas 0,70 kg/m ³ (0,044 lbs/ft ³) Helium 1,11 kg/m ³ (0,069 lbs/ft ³)
	(f) Empty weight	220 - 370 kg (484 - 814 lbs)

No. of occupants:	Basket size	Dimensions [cm]	max. occupants
	IV	125 x 105 x 110	4
	V	135 x 115 x 110	5
	VI	145 x 125 x 110	6
	Leichtbaukorb	125 x 105 x 110	4

VI. Free Balloon Model K-1260/3-Stu, approved August 7, 1990

Description	(a) Diameter	max. 13,4 m (44 ft)
	(b) Displacement	1051 - 1260 m ³ (37.111 - 44.491 ft ³)
	(c) Lifting gases	Hydrogen, citygas, helium
	(d) Ballast provisions	Sand bags; min. for take off: 6 each 15 kg (33 lbs)
	(e) Max. weight	Hydrogen 1,16 kg/m ³ (0,072 lbs/ft ³) Citygas 0,70 kg/m ³ (0,044 lbs/ft ³) Helium 1,11 kg/m ³ (0,069 lbs/ft ³)
	(f) Empty weight	260 - 410 kg (572 - 902 lbs)

No. of occupants:	Basket size	Dimensions [cm]	max. occupants
	IV	125 x 105 x 110	4
	V	135 x 115 x 110	5
	VI	145 x 125 x 110	6

VII. Free Balloon Model K-1680/4-Stu, approved August 7, 1990

Description	(a) Diameter	max. 14,7 m (48,3 ft)
	(b) Displacement	1261 - 1680 m ³ (44.527 - 59.322 ft ³)
	(c) Lifting gases	Hydrogen, citygas, helium
	(d) Ballast provisions	Sand bags; min. for take off: 8 each 15 kg (33 lbs)
	(e) Max. weight	Hydrogen 1,16 kg/m ³ (0,072 lbs/ft ³) Citygas 0,70 kg/m ³ (0,044 lbs/ft ³) Helium 1,11 kg/m ³ (0,069 lbs/ft ³)
	(f) Empty weight	300 - 450 kg (660 - 990 lbs)

No. of occupants:	Basket size	Dimensions [cm]	max. occupants
	V	135 x 115 x 110	5
	VI	145 x 125 x 110	6

Data pertinent to all models

Serial numbers eligible

The Federal Republic of Germany Certificate of Airworthiness for Export endorsed as noted below under "Certification basis" must be submitted for each individual balloon for which application for certification is made.

Certification Basis	<ol style="list-style-type: none">1. Part 31 Type Certificate No. B4EU Issued June 11, 1990. Application for type Certificate dated March 8, 1990. Application for Amended T.C. dated July 18, 1990.2. Each balloon and any replacement parts manufactured in Germany must be identified as imported. A U.S. Airworthiness Certificate may be issued on the basis of a Certificate of Airworthiness for Export signed by a representative of the Luftfahrt-Bundesamt containing the following statement: "The balloon covered by this certificate has been examined and found to comply with this requirements of the German Balloon Standards, Bau- und Prufvorschriften fur Freiballone, Ausgabe Februar 1938, the addition to this requirements about prevention of hazards due to electrostatic discharges, Ref. Luftfahrt-Bundesamt I 3/I 321-523.2/79 dated 15.11.1979, and conforms to this TCDS B4EU.
Equipment	<p>The basic requirements as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the balloon for certification. In addition the following items of equipment are required:</p> <p>Flight and Maintenance Manual for Free Balloons, dated December 1989.</p>
NOTE 1.	Current weight and balance report, including list of equipment included in certificated empty weight, must be provided for each balloon at the time of original certification.
NOTE 2.	The following placard must be clearly visible to all occupants: "No Smoking".
NOTE 3.	The following operating limitations must be complied with: (a) All flights shall be in accordance with VFR-DAY Flight rules. (b) Adequate and acceptable precautions will be taken during inflation and deflation procedures for the proper protection of personnel and property.

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