Record of Amendments

Amendment Number	Description	Pages Affected	Date	Approval
8	Record of Amendments updated, List of effective pages updated, Section 2: 2.10 Abiguity for 340 000 corrected Section 9: Burner Frame CB2371 added to basket CB754. Supplement 8.1: Colt Beer Glass, Colt Flying Kiwi and Super FMG-100 Special Shape added. Supplement 8.21: CB3157 Description corrected, CB947 and CB3505 added, burner frame CB2269 added to basket CB3394	i-v, i-vii, 2-4, 9-6, Supp 8.1: All, Supp 8.21: All,	14:07:2010	Approved by EASA under Approval Number 10030936
9	Record of Amendments updated, List of effective pages updated, Section 9, Table 6: Page 9-5, table completely revised, no new equipment introduced. Page 9-6, Burner Frame CB2192 (older non gimbal style) added to basket CB3360 Appendix 3, A3-1, Conversion factor standardised, reference to tables corrected. Supp. 8-13 Duo Airchair: Addition of Duo Skychariot and Duo Airchair. Supp. 8-14 Cloudhopper Millennium: Addition of part number of chair assembly and applicable cylinders. Supp. 8-15 Wheelchair Baskets: Limitations on occupancy moved from Section 6 to Section 2. Descriptions, cylinder and burner frame applicability updated. Supp. 8-21 Special Baskets: Cylinder and burner frame applicability updated. Baskets CB3520, CB3525 and CB3528 added.	i-v, i-vii, i-viii, 9-5, 9-6, A3-1. Supp 8.13: All, Supp 8.14: All, Supp 8.15: All, Supp 8.21: All.	02:03:2011	Approved by EASA under Approval Number 10034058
10	Record of Amendments updated, List of effective pages updated. Section 6: Description of out of production cylinders moved to new supplement. Section 9: Table 5: Envelopes, Type R baskets added to Z-425, Z-450, Z-600. Table 6: Burner Frames CB750, CB2860 and CB2863 added, burner frame applicability to CB8000 series updated Table 7: out of production cylinders deleted, Table 8: Solenoid and removable burners moved to supplements. Appendix III: Out of production cylinders moved to new supplement, Supplements 8.2-8.4, 8.6-8.8, 8.12-8.16, 8.19-8.20, 8.23-8.26, 8.30, 8.32, 8.35 and 8.36: Maintenance Sections removed (published with Maintenance Manual i10-Amdt 3), editorial updates, previously approved equipment added to 8.13 and 8.16. Supplement 8.21: LBL Burner frame (BA-152-A-002) added to CB994, Baskets CB3196, CB3537, CB3541, CB3543 and CB3545 added. Supplement 8.39: New Supplement, “Out of production cylinders” (approved data)	i-v, i-vii, i-viii, i-xv, 6-10, 6-11, 9-3, 9-5-9-8 A3-1. Supp 8.2-8.4, 8.6-8.8, 8.10, 8.13-8.16, 8.19-8.21, 8.23-8.26, 8.30, 8.32, 8.35, 8.36 and 8.39 All,	25:01:2012	Approved by EASA under Approval Number 10038169
11	Section 2 : Z-750 Added, Z-600 classification corrected (AX14). Section 9 : Table 5: Z-750 added, Z-600 now R type baskets only. Table 6: Baskets CB3060, CB3081 deleted (in Supp 8.15), burner frame applicabilites updated. Basket CB3550 added, Supp. 8.6 Basket Nos. 244 and 265 added, Supp. 8.21 CB301 Series baskets added.	i-v, i-vii, 2-2, 2-4, 2-7, 5-4-5-5, 9-3, 9-6, Supp 8.6: All, Supp 8.21: All	13:07:2012	Approved by EASA under Approval Number 10040615

Note: Any new or amended text in the revised page will be indicated by a black vertical line in the right hand margin, and the Amendment Number and the date will be shown at the bottom of the page.

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	i-v	13 July 2012		4-19	29 April 2010
	i-vi	10 April 2006		4-20	29 April 2010
	i-vii	13 July 2012		4-21	Deleted
	i-viii	25 January 2012		4-22	Deleted
	i-ix	Deleted		4-23	Deleted
	i-x	Deleted		4-24	Deleted
	i-xi	29 April 2010		4-25	Deleted
	i-xii	29 April 2010		4-26	Deleted
	i-xiii	29 April 2010		4-27	Deleted
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1	1-1	31 July 2008		5-3	10 April 2006
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				6-9	10 April 2006
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	3-3	10 April 2006		6-12	10 April 2006
	3-4	10 April 2006		6-13	10 April 2006
	3-5	10 April 2006		6-14	10 April 2006
	3-6	10 April 2006			
			7	7-1	17 December 2007
4	4-1	29 April 2010		7-2	17 December 2007
	4-2	29 April 2010		7-3	17 December 2007
	4-3	29 April 2010		7-4	17 December 2007
	4-4	29 April 2010			
	4-5	29 April 2010	8	8-1	31 July 2008
	4-6	29 April 2010		8-2	31 July 2008
	4-7	29 April 2010			
	4-8	29 April 2010	9	9-1	29 April 2010
	4-9	29 April 2010		9-2	25 June 2009
	4-10	29 April 2010		9-3	13 July 2012
	4-11	29 April 2010		9-4	29 April 2010
	4-12	29 April 2010		9-5	25 January 2012
	4-13	29 April 2010		9-6	13 July 2012
	4-14	29 April 2010		9-7	25 January 2012

Section	Page	Date	Section	Page	Date
9	9-8	25 January 2012			
Appendices	A1-1 / A1-2	10 April 2006			
	A2-1 / A2-2	31 July 2008			
	A3-1 / A3-2	25 January 2012			
	A4-1 / A4-2	10 April 2006			
	A5-1 / A5-2	29 April 2010			
	A5-3 / A5-4	29 April 2010			

2.1 INTRODUCTION

Section 2 details the operating limitations for the balloon and its standard equipment.

The limitations included in this Section and in Section 8 have been approved by EASA.

WARNING: The balloon must not be flown into contact with powerlines.

2.2 WEATHER

1. The balloon must not be flown free, if the surface wind at the time and place of take-off is greater than:

Balloons ≤ 600,000 ft^3 (16992m^3) : 15 knots (7.7m/sec)

Balloons > 600,000 ft^3 (16992m^3) : 12 knots (6.2 m/sec)

2. The balloon must not be flown free if the forecast for the planned time and place of landing indicates a significant probability of the surface wind exceeding the limitations in paragraph **1.** above.

3. The balloon must not be flown if there is extensive thermal activity, any cumulonimbus (thunderstorm) activity in the vicinity of the flight path, or any turbulence which is giving rise to gusts of 10 knots (5.1m/sec) above mean wind speed.

2.3 FUEL

1. The fuel for the burner is LPG. Propane is the preferred fuel, but some content of other hydrocarbons is permissible, provided that minimum fuel pressures are maintained through out the flight. Main and whisper burners must not be operated on a vapour fuel supply.

2. With the exception of single occupancy balloons, a minimum of two independent cylinders with provision to supply pilot lights (double burner) are required, three such cylinders for a triple burner, four for a quadruple burner. Extra cylinders may be used.

2.3.1 Fuel Pressures

1. The fuel pressure must never exceed the system safe working pressure of 15 bar (218psi).

	Balloons <340,000 ft^3 (9630m^3)	Balloons >340,000 ft^3	Balloons >340,000 ft^3 using Shadow, Sirocco or Stratus burners
Maximum fuel Pressure	15 Bar (215 psi)	15 Bar	15 Bar
Minimum fuel Pressure	3 Bar (44 psi)	7 Bar (102 psi)	5.5 bar (80 psi)

CAUTION: Care should be exercised if the fuel pressure is below 5.5bar (80 psi).

2.4 MINIMUM BURNER REQUIREMENTS

Burner Configuration	Permitted Envelope Volume
Single	17,000 ft^3 (481 m^3) - 105,000 ft^3 (2975 m^3)
Double	56,000 ft^3 (1585m^3) - 210,000 ft^3 (5950 m^3)
Triple	140,000 ft^3 (3970 m^3) - 315,000 ft^3 (8920 m^3)
Quad	180,000 ft^3 (5100 m^3) - 750,000 ft^3 (21238 m^3)

2.5 PERMITTED DAMAGE

1. No damage is permitted to load tapes or any load bearing part of the suspension system.

2. No damage is permitted to the burner or fuel system.

3. Damage to the fabric below the first horizontal load tape above the Nomex (Cameron) or within 4 m of the Nomex (Thunder & Colt) is limited to holes or tears smaller than 1.5 m (60”) in any direction.

4. Damage to fabric in areas above that defined in 3, but below the upper part of the envelope (defined as the area above the widest horizontal seam between two vertical load tapes) is limited to holes or tears smaller than 50 mm (2”) in any direction. The distance between two adjacent holes must not less than four times the maximum dimension of the larger hole. There must be not more than 15 holes in this section of the envelope and no more than 5 in any one panel.

5. Damage to the fabric in the upper part of the envelope is limited to holes or tears smaller than 12 mm (½”) in any direction. The distance between two adjacent holes must not be less than 50mm (2”). There must be not more than 15 holes in this section of the envelope and there must not be more than 5 holes in any one panel.

6. Any damage outside these limitations must be repaired in accordance with the instructions contained in the Maintenance Manual. Permitted damage, other than that specified in 3, must be repaired prior to an annual or 100 hour inspection.

Note: If any two or more small holes lie within a circle of the same diameter as a permitted hole, they may be considered as one hole for the purposes of paragraphs 4 and 5.

2.6 SAFETY EQUIPMENT (MINIMUM EQUIPMENT)

The following minimum equipment must be carried:

1. Protective gloves must be available to the pilot.

2. Matches or other independent means of ignition in addition to any igniters built into the burner.

3. A Halon 1211 or powder fire extinguisher of minimum size 1kg and conforming to EN3.

4. A rate of climb and descent indicator (variometer) where required (Refer to Section 2.10) .

5. An envelope temperature indicator which may either be of the continuous reading type or a type which gives a warning signal.

6. A time piece.

All minimum equipment must be functional.

2.7 CREW

1. The minimum crew is one pilot.

2. The maximum number of occupants (consisting of crew and passengers) is determined by Sections 2.8, 2.9 and 2.15 below.

2.8 ENVELOPE TEMPERATURE AND LOADING

1. The envelope temperature must not exceed 120ºC, (250ºF).

2. The envelope temperature must be controlled either by use of the envelope thermometer, or by loading according to the loading chart in Section 5.

2.9 WEIGHT RANGE

1. The take-off Mass (TOM) of the balloon must never exceed the Maximum TOM (MTOM) shown in table 1. The applicability of the MTOM, either Standard or Reduced is given on page i-i.

2. If it is desired, for operational or insurance reasons, to alter the MTOM of the balloon, either the Standard or Reduced MTOM, appropriate to the balloon model, may be selected. These permitted MTOM values are shown in Section 2 Table 1. The MTOM in use must be entered as an amendment on page i.i and used for loading calculations.

3. For balloons of between 105,000 cu.ft (2975 m^3) and 600,000 cu.ft (16992 m^3) the Minimum Landing Mass (MLM) for normal operation must not be less than 50% of the Standard MTOM.

4. For balloons larger than 600,000 cu.ft (16992 m^3) the Minimum Landing Mass (MLM) for normal operation must not be less than 60% of the Standard MTOM.

5. For special flights, record attempts etc., with only necessary crew on board, lower masses may be used at the pilot's discretion.

2.10 RATES OF CLIMB AND DESCENT

2.10.1 Conventionally Shaped Balloons (excluding TR Types)

1. For balloons with a volume of 105,000 cu.ft or less, extreme rates of climb, sufficient to cause a relative wind at basket level, should be avoided unless an envelope temperature gauge is fitted.

2. The maximum rate of climb and descent for balloons with a volume of greater than 105,000 cu.ft and less than 340,000 cu.ft is 1000 ft/min (5 m/sec).

3. The maximum rate of climb and descent for balloons with a volume of between 340,000 and 750,000 cu.ft is 800 ft/min (4m/sec).

2.10.2 TR Type Balloons

1. The maximum rate of climb and descent for 'TR' Type balloons is 1700 ft/min (8.5m/sec), except where the RDS is fitted, when the maximum rates of climb and descent are limited to 1000 ft/min (5 m/sec).

2.11 PARACHUTE VALVE

1. The parachute valve must not be held open for periods longer than 3 seconds during flight. The envelope must be allowed to re-inflate fully and the envelope mouth must be seen to be fully open before subsequent operations of the vent.

2. 'TR' Type balloons must not have the parachute valve opened at rates of descent greater than 500ft/min (2.5m/sec).

2.12 RAPID DEFLATION SYSTEMS

1. The parachute valve of the rapid deflation system, when used for the controlled release of hot air during flight, must not be held open for periods longer than 3 seconds. The envelope must be allowed to re-inflate fully between operations of the vent.

2. Use of the rip line is not permitted at heights greater than 2m (6ft) above ground level, except in an emergency.

2.13 DELETED

Table 1: Envelope Weight Limits And Volumes (continued)

Variant	Volume		Standard MTOM		Reduced MTOM		FAI Class. AX
	ft³	m³	kg	lb	kg	lb	
340 HL	340 000	9629	3084	6800	2699	5951	12
350	350 000	9912	3175	7000	2699	5951	12
375	375 000	10620	3401	7500	2699	5951	12
400	400 000	11328	3628	8000	2699	5951	12
415	415 000	11753	3764	8300	2699	5951	12
425LW	425 000	12036	3662	8075	2699	5951	13
450LW	450 000	12744	3815	8410	2699	5951	13
450	450 000	12744	4082	9000	2699	5951	13
530	530 000	15010	4807	10600	2699	5951	13
600	600 000	16992	5089	11215	5089	11215	14
750	750 000	21238	5103	11250	5103	11250	14

Note: Table 1 lists the complete range of envelopes produced by Cameron Balloons Limited.

The applicable envelope data in Table 1 corresponds to the specific envelope Type and Variant given on page i-i and in Table 4.

For details of Type Approval, reference should be made to the appropriate Type Certificate.

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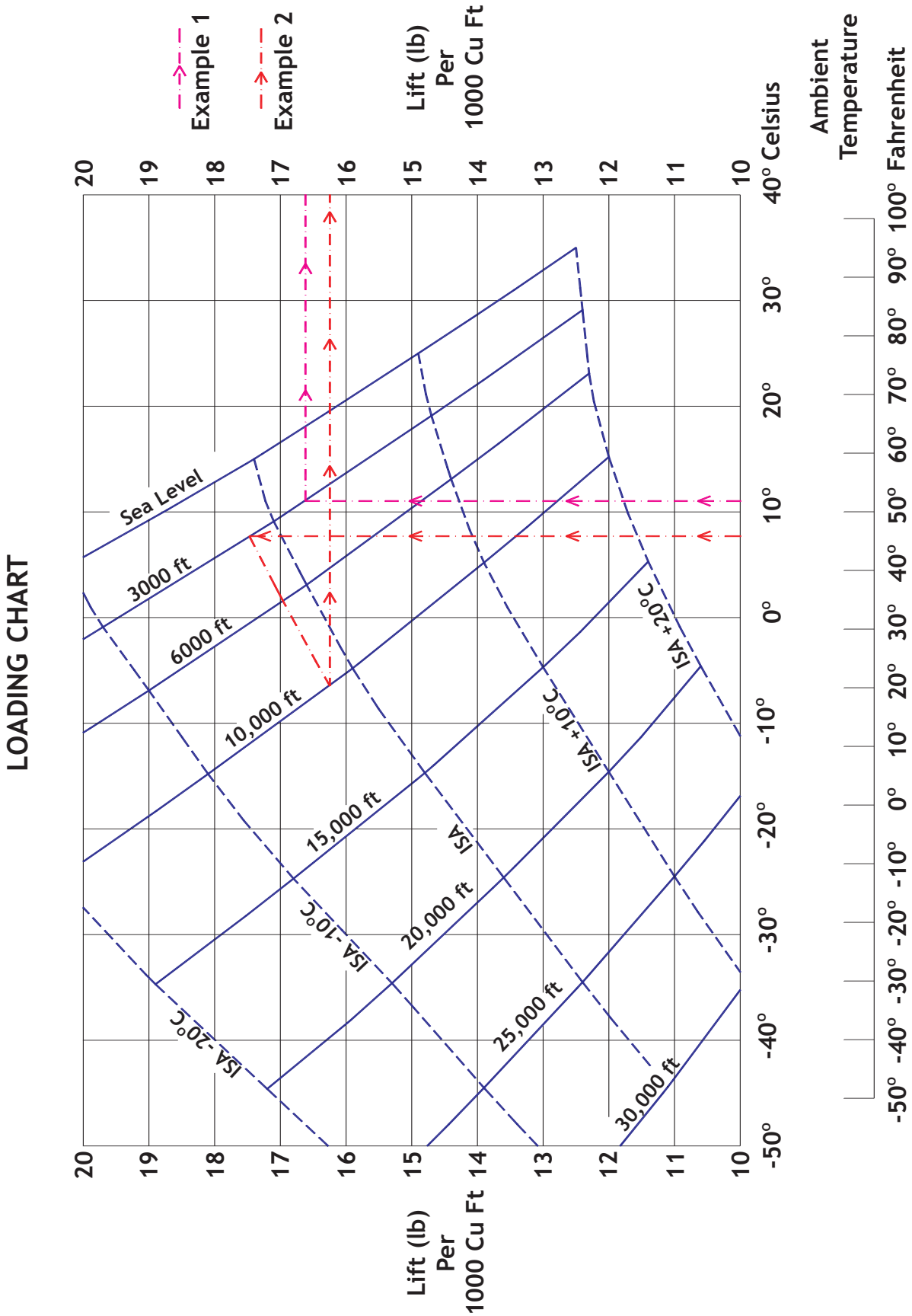
LOADING CHART
Example 1
Example 2
Lift (lb) Per 1000 Cu Ft
Ambient Temperature
40° Celsius
30°
20°
10°
0°
-10°
-20°
-30°
-40°
-50°
100° Fahrenheit
90°
80°
70°
60°
50°
40°
30°
20°
10°
0°
-10°
-20°
-30°
-40°
-50°
Sea Level
3000 ft
6000 ft
10,000 ft
15,000 ft
20,000 ft
25,000 ft
30,000 ft
ISA
ISA+20°C
ISA+10°C
ISA-10°C
ISA-20°C
20
19
18
17
16
15
14
13
12
11
10

Table 2: Total Permitted Lift (kg)

Balloon Size	Lift (lb) Per 1000 cu.ft.										
	10	11	12	13	14	15	16	17	18	19	20
25	113	125	136	147	159	170	181	193	204	215	227
31	143	157	171	185	200	214	228	243	257	271	285
35	158	174	190	206	222	238	254	269	285	301	317
42	191	210	229	248	267	286	305	324	343	362	381
50	226	249	272	294	317	340	362	385	408	430	453
56	254	279	305	330	356	381	406	432	457	483	508
60	272	299	327	354	381	408	435	463	490	517	544
65	295	324	354	383	413	442	472	501	531	560	590
69	313	344	376	407	438	469	501	532	563	595	626
70	317	349	381	413	444	476	508	540	571	603	635
77	352	387	422	457	492	527	562	597	633	668	703
80	363	399	435	472	508	544	580	617	653	689	726
84	381	419	457	495	533	572	610	648	686	724	762
90	408	449	490	531	571	612	653	694	735	776	816
100	454	499	544	590	635	680	726	771	816	862	907
105	476	524	572	619	667	714	762	810	857	905	952
120	544	599	653	707	762	816	871	925	980	1034	1088
133	603	663	724	784	844	905	965	1025	1086	1146	1206
140	635	699	762	826	889	953	1016	1080	1143	1207	1270
145	658	723	789	855	921	987	1052	1118	1184	1250	1315
150	680	748	816	884	952	1020	1088	1156	1224	1293	1361
160	726	798	871	943	1016	1088	1161	1234	1306	1379	1451
180	816	898	980	1061	1143	1225	1306	1388	1470	1551	1633
200	907	998	1088	1179	1270	1361	1451	1542	1633	1723	1814
210	952	1047	1143	1238	1334	1429	1524	1619	1715	1810	1905
225	1020	1122	1224	1327	1429	1531	1633	1735	1837	1939	2041
240	1089	1197	1306	1415	1524	1633	1742	1851	1960	2068	2177
250	1134	1247	1361	1474	1588	1701	1814	1928	2041	2155	2268
260	1179	1297	1415	1533	1651	1769	1887	2005	2123	2241	2359
275	1247	1372	1497	1621	1746	1871	1995	2120	2245	2370	2494
300	1361	1497	1633	1679	1905	2041	2177	2313	2449	2585	2721
315	1429	1571	1714	1857	2000	2143	2286	2429	2571	2714	2857
340	1542	1696	1850	2005	2159	2313	2467	2621	2776	2857	2857
340HL	1542	1696	1850	2005	2159	2313	2467	2621	2776	2930	3084
350	1587	1746	1905	2063	2222	2381	2540	2698	2857	3016	3175
375	1701	1871	2041	2211	2381	2551	2722	2892	3062	3232	3401
400	1814	1995	2177	2358	2540	2721	2902	3084	3265	3447	3628
415	1882	2070	2259	2447	2635	2823	3011	3200	3388	3576	3764
425LW	1927	2120	2313	2506	2698	2891	3084	3277	3469	3662	3662
450 LW	2041	2245	2449	2653	2857	3061	3265	3469	3673	3815	3815
450	2041	2245	2449	2653	2857	3061	3265	3469	3673	3878	4082
530	2404	2644	2884	3125	3365	3605	3846	4086	4327	4567	4807
600	2721	2993	3265	3537	3810	4082	4354	4626	4898	5089	5089
750	3402	3742	4082	4423	4763	5103	5103	5103	5103	5103	5103

Table 3: Total Permitted Lift (lb)

Balloon Size	Lift (lb) Per 1000 cu.ft.										
	10	11	12	13	14	15	16	17	18	19	20
25	250	275	300	325	350	375	400	425	450	475	500
31	315	346	378	409	441	472	504	535	567	598	620
35	350	385	420	455	490	525	560	595	630	665	700
42	420	462	504	546	588	630	672	714	756	798	840
50	500	550	600	650	700	750	800	850	900	950	1000
56	560	616	672	728	784	840	896	952	1008	1064	1120
60	600	660	720	780	840	900	960	1020	1080	1140	1200
65	650	715	780	845	910	975	1040	1105	1170	1235	1300
69	690	759	828	897	966	1035	1104	1173	1242	1311	1380
70	700	770	840	910	980	1050	1120	1190	1260	1330	1400
77	775	852	930	1007	1085	1162	1240	1317	1395	1472	1540
80	800	880	960	1040	1120	1200	1280	1360	1440	1520	1600
84	840	924	1008	1092	1176	1260	1344	1428	1512	1596	1640
90	900	990	1080	1170	1260	1350	1440	1530	1620	1710	1800
100	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
105	1050	1155	1260	1365	1470	1575	1680	1785	1890	1995	2100
120	1200	1320	1440	1560	1680	1800	1920	2040	2160	2280	2400
133	1330	1463	1596	1729	1862	1995	2128	2261	2394	2527	2660
140	1400	1540	1680	1820	1960	2100	2240	2380	2520	2660	2800
145	1450	1595	1740	1885	2030	2175	2320	2465	2610	2755	2900
150	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
160	1600	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200
180	1800	1980	2160	2340	2520	2700	2880	3060	3240	3420	3600
200	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
210	2100	2310	2520	2730	2940	3150	3360	3570	3780	3990	4200
225	2250	2475	2700	2925	3150	3375	3600	3825	4050	4275	4500
240	2400	2640	2880	3120	3360	3600	3840	4080	4320	4560	4800
250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
260	2600	2860	3120	3380	3640	3900	4160	4420	4680	4940	5200
275	2750	3025	3300	3575	3850	4125	4400	4675	4950	5225	5500
300	3000	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000
315	3150	3465	3780	4095	4410	4725	5040	5355	5670	5985	6300
340	3400	3740	4080	4420	4760	5100	5440	5780	6120	6300	6300
340HL	3400	3740	4080	4420	4760	5100	5440	5780	6120	6460	6800
350	3500	3850	4200	4550	4900	5250	5600	5950	6300	6650	7000
375	3750	4125	4500	4875	5250	5625	6000	6375	6750	7125	7500
400	4000	4400	4800	5200	5600	6000	6400	6800	7200	7600	8000
415	4150	4565	4980	5395	5810	6225	6640	7055	7470	7885	8300
425LW	4250	4675	5100	5525	5950	6375	6800	7225	7650	8075	8075
450LW	4500	4950	5400	5850	6300	6750	7200	7650	8100	8410	8410
450	4500	4950	5400	5850	6300	6750	7200	7650	8100	8550	9000
530	5300	5830	6360	6890	7420	7950	8480	9010	9540	10070	10600
600	6000	6600	7200	7800	8400	9000	9600	10200	10800	11215	11215
750	7500	8250	9000	9750	10500	11250	11250	11250	11250	11250	11250

Table 4: Balloon Component Weight Record

Registration	
Year Of Construction	
Constructors Number	
Balloon Type	

Component	**Drawing Number**	**Serial Number**	**Weight (kg)**
Envelope			
Burner			
Basket			
		Total	

Cylinder	**Drawing Number**	**Serial Number**	**Weight (kg)**	
			Empty	**Full**
Cylinder 1				
Cylinder 2				
Cylinder 3				
Cylinder 4				
Cylinder 5				
Cylinder 6				
		Total		

Total Fuel Weight _____ kg

Table 5: Envelopes (continued)

Envelope Type	Drawing Number	Applicable Burners	Applicable Baskets
Z-77	CB1342	A, B	A, B, C, D, E, F, G, H, I
Z-90	CB1340	A, B	A, B, C, D, E, F, G, H, I, J
Z-105	CB1345	B	B, C, D, E, F, G, H, I, J, K
Z-120	CB1348	B	C, D, E, F, G, H, I, J, K, L
Z-133	CB1349	B	C, D, E, F, G, H, I, J, K, L
Z-140	CB1477	B, C	D, E, F, G, H, I, J, K, L, M
Z-145	CB1350	B, C	D, E, F, G, H, I, J, K, L, M
Z-150	CB1473	B, C	D, E, F, G, H, I, J, K, L, M
Z-160	CB1351	B, C	D, E, F, G, H, I, J, K, L, M, N
Z-180	CB1352	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Z-210	CB1353	B, C, D	G, H, I, J, K, L, M, N, O, P, Q
Z-225	CB1466	C, D	G, H, I, J, K, L, M, N, O, P, Q
Z-250	CB1459	C, D	H, I, J, K, L, M, N, O, P, Q
Z-275	CB1467	C, D	I, J, K, L, M, N, O, P, Q
Z-315	CB1468	C, D	K, L, M, N, O, P, Q
Z-350	CB1469	D	L, M, N, O, P, Q
Z-375	CB1470	D	M, N, O, P, Q
Z-400	CB1471	D	N, O, P, Q, R
Z-425LW	CB1502	D	N, O, P, Q, R
Z-450	CB1472	D	N, O, P, Q, R
Z-600	CB1565	D	R
Z-750	CB1663	D	R
Thunder 65 S1	CB1136	A, B	A, B, C, D, E, F, G, H
Thunder 77 S1	CB1080	A, B	A, B, C, D, E, F, G, H, I
Thunder 90 S1	CB1113	A, B	A, B, C, D, E, F, G, H, I, J
Thunder 105 S1	CB1107	B	B, C, D, E, F, G, H, I, J, K
Thunder 120 S1	CB1137	B	C, D, E, F, G, H, I, J, K, L
Thunder 140 S1	CB1214	B, C	D, E, F, G, H, I, J, K, L, M
Thunder 160 S1	CB1138	B, C	D, E, F, G, H, I, J, K, L, M, N
Thunder 180 S1	CB1139	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Thunder 90 S2	CB1082	A, B	A, B, C, D, E, F, G, H, I, J
Thunder 105 S2	CB1089	B	B, C, D, E, F, G, H, I, J, K
Thunder 120 S2	CB1105	B	C, D, E, F, G, H, I, J, K, L
Thunder 140 S2	CB1079	B, C	D, E, F, G, H, I, J, K, L, M
Thunder 150 S2	CB1334	B, C	D, E, F, G, H, I, J, K, L, M
Thunder 160 S2	CB1140	B, C	D, E, F, G, H, I, J, K, L, M, N
Thunder 180 S2	CB1141	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Thunder 210 S2	CB1142	B, C, D	G, H, I, J, K, L, M, N, O, P, Q
Thunder 225 S2	CB1200	C, D	G, H, I, J, K, L, M, N, O, P, Q
Thunder 250 S2	CB1194	C, D	H, I, J, K, L, M, N, O, P, Q

Table 5: Envelopes (continued)

Envelope Type	Drawing Number	Applicable Burners	Applicable Baskets
Colt 25A	CB1461	A	A, B, C
Colt 31A	CB1462	A	A, B, C, D
Colt 42A	CB1463	A	A, B, C, D, E
Colt 56A	CB1464	A, B	A, B, C, D, E, F, G
Colt 65A	CB1346	A, B	A, B, C, D, E, F, G, H
Colt 69A	CB1465	A, B	A, B, C, D, E, F, G, H
Colt 77A	CB1342	A, B	A, B, C, D, E, F, G, H, I
Colt 90A	CB1340	A, B	A, B, C, D, E, F, G, H, I, J
Colt 105A	CB1345	B	B, C, D, E, F, G, H, I, J, K
Colt 120A	CB1348	B	C, D, E, F, G, H, I, J, K, L
Colt 133A	CB1349	B	C, D, E, F, G, H, I, J, K, L
Colt 140A	CB1477	B, C	D, E, F, G, H, I, J, K, L, M
Colt 150A	CB1473	B, C	D, E, F, G, H, I, J, K, L, M
Colt 160A	CB1351	B, C	D, E, F, G, H, I, J, K, L, M
Colt 180A	CB1352	B, C, D	D, E, F, G, H, I, J, K, L, M, N
Colt 210A	CB1353	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Colt 225A	CB1466	C, D	G, H, I, J, K, L, M, N, O, P, Q
Colt 240A	CB1128	C, D	G, H, I, J, K, L, M, N, O, P, Q
Colt 250A	CB1459	C, D	H, I, J, K, L, M, N, O, P, Q
Colt 260A	CB1129	C, D	I, J, K, L, M, N, O, P, Q
Colt 275A	CB1467	C, D	K, L, M, N, O, P, Q
Colt 315A	CB1468	C, D	L, M, N, O, P, Q
Colt 350A	CB1469	D	M, N, O, P, Q
Colt 375A	CB1470	D	N, O, P, Q
Colt 400A	CB1471	D	N, O, P, Q
Colt 450A	CB1472	D	O, P, Q

Table 5A: Tether Equipment

Item	Part Number	Description
1	CB-6043-1000	V-Bridle
2	CU-3000-0001	Tether Ring, Large
3	CU-9780-0001	Karabiner, 5 Tonne
4	CB-6043-3000	V-Bridle complete with Tether Rings

Note: Item 4 is alternative to items 1 to 3

Table 6: Baskets

Basket Cat.	Drawing Number	Basket Description*	Applicable Cylinders	Applicable Burner Frames
B	CB3037	LITE	1a, 1, 2	CB2118, CB2355, CB2356
B	CB310-1A	31-42 O	1a, 1, 2	CB855, CB871, CB925, CB2203(Fl), CB2224(Fl), CB2231(Fl), CB2598, CB2874
C	CB300-2A	56-65 O	1a, 1, 2, 3	CB855, CB871, CB925, CB2203(Fl), CB2224(Fl), CB2231(Fl), CB2598, CB2665, CB2860(Fl), CB2863(Fl), CB2874
C	CB310-2A			
C	CB3050-2			
C	CB3115-2			
C	CB3011-2A	56-65 OH		
C	CB3023-2			
C	CB3011-2B			
C	CB3051	C60/70 O	1a, 1, 2, 3	CB855, CB871, CB925, CB2203, CB2224, CB2231, CB2598, CB2665, CB2860, CB2863, CB2874
D	CB300-3A	77-84 O	1a, 1, 2, 3	
D	CB310-3A			
D	CB3050-3			
D	CB3115-3			
D	CB3011-3A	77-84 OH	1a, 1, 2, 3	
D	CB3023-3			
D	CB3011-3B			
D	CB3052	C80/90 O	1a, 1, 2, 3	
D	CB8001	65-77 O	1a, 1, 2, 3	CB855, CB871, CB925, CB8810, CB8811, CB8820, CB8821, CB8894, CB8902, CB8903, CB8905, CB8912
D	CB8012			
D	CB8006	65-77 OH	1a, 1, 2, 3	
D	CB8017			
D	CB8002	77-90 O	1a, 1, 2, 3	
D	CB8013			
D	CB8007	77-90 OH	1a, 1, 2, 3	
D	CB8018			
E	CB300-4A	90-105 O	1a, 1, 2, 3	CB855, CB871, CB925, CB2203, CB2224, CB2231, CB2598, CB2665, CB2874
E	CB310-4A			
E	CB3050-4			
E	CB3115-4			
E	CB3011-4A	90-105 OH	1a, 1, 2, 3	
E	CB3023-4			
E	CB3011-4B			
E	CB8003	90-105 O	1a, 1, 2, 3	CB8810, CB8811, CB8820, CB8821, CB8894, CB8902, CB8903, CB8905, CB8912
E	CB8014			
E	CB8008	90-105 OH	1a, 1, 2, 3	
E	CB8019			
F	CB8004	105-120 O	1a, 1, 2, 3	CB8822, CB8823, CB8824, CB8825, CB8830, CB8831, CB8846
F	CB8013			
F	CB8009	105-120 OH	1a, 1, 2, 3	
F	CB8020			
F	CB8200	105-120T	1a, 1, 2, 3	

* For key see page 9-6

Table 6: Baskets (continued)

Basket Category	Drawing Number	Basket Description*	Applicable Cylinders	Applicable Burner Frames
G	CB303	120 - 133 O	1a, 1, 2, 3	CB855, CB871, CB925, CB2203(Fl), CB2309, CB2312
G	CB3238	120 - 133 P	1a, 1, 2, 3	CB2470, CB2468, CB2856
G	CB3233	120 - 133 T	1a, 1, 2, 3	CB2470, CB2468
H	CB991	140 T	1a, 1, 2, 3	CB993, CB2264, CB2263
H	CB3376	140 T	1a, 1, 2, 3	CB2264, CB2263
H	CB8266	120 - 160 T	1a, 1, 2, 3	CB8900, CB8901
I	CB3310	160 - 180 T	1a, 1, 2, 3	CB2590, CB2591
I	CB8206	180 - 210T	1a, 1, 2, 3	CB8826 CB8832, CB8840
J	CB754	180 - 210 TT	1a, 1, 2, 3	CB750, CB2420, CB2411, CB2261, CB2371
K	CB3164	210 TT Os	1a, 1, 2, 3	CB2050, CB2250, CB2303
L	CB3314	210 - 250 T	1a, 1, 2, 3	CB2505, CB2592
M	CB3004	250 TT	1a, 1, 2, 3	CB2050, CB2250, CB2303
M	CB971	250 TT D	1a, 1, 2, 3	CB970, CB2260, CB2304
M	CB3387	250TT	1a, 1, 2, 3	CB2613, CB2614
N	CB3200	275 TT Os	1a, 1, 2, 3	CB2427, CB2447
O	CB3042	300 TT	1a, 1, 2, 3	CB2270, CB2258
O	CB3040	300 TT D	1a, 1, 2, 3	CB2271, CB2259
O	CB3049	300 TT S	1a, 1, 2, 3	CB2272, CB2269
O	CB3235	300 TT	1a, 1, 2, 3	CB2390
O	CB3223	300 TT S	1a, 1, 2, 3	CB2427, CB2447
O	CB8250	350 TT	1a, 1, 2, 3	CB8842, CB8843
O	CB3360	350 TT	1a, 1, 2, 3	CB2192, CB2418
P	CB3205	400 TT S	1a, 1, 2, 3	CB2418
Q	CB3288	400 - 410 TT S	1a, 1, 2, 3	CB2418
R	CB3370	600 TT S	1a, 1, 2, 3	CB2376
R	CB3550	750 TT S	1a, 1, 2, 3	CB2953

*** Key:** H= Hi-Spec; L=Asymmetric pilot compartment; O = Open; P= single partition; T = T partition; TT = double T partition; Os = offset; D = designed for use in Germany; S = Safari (tough terrain); W = wheelchair access; Fl = Flexi-corner burner frame only.