APPROVAL STATEMENT

The Civil Aviation Authority of the United Kingdom hereby signifies approval of the data listed in this document. This Flight Manual was first approved on 20 May 1993.

Signed & Sealed

Record of Amendments

No.	Date	Affected Pages	Approval
35	01/07	iii, iv, 3, 3a, 7a, 9a, 11a	EASA Approval EASA.BA.C.01063, dated 5 February 2007
36	05/07	iii, iv, v, vi, 1, 3b, 4, 12, 15a, 18, S13-1, S14-1	EASA Approval EASA.BA.C.01097, dated 18 June 2007
37	01/08	ii, iii, iv, v, vi, 1, 2, 3, 12, 13, 15b, 15c, 15d, 16, 17, 19, S1A-1.38-1, S15-1	EASA Approval EASA.BA.C.01149, dated 5 June 2008
38	04/09	iii, iv, 3, 3a, 3b, 7, 7a, 9, 9a, 11, 11a, 12, 14	EASA Approval EASA BA.C.01192, dated 29 April 2009
39	04/10	iii, iv, 2, 3, 3a, 15c, S1A-1, S1A-1.39-1, S1A-1.39-2, S6-1, s14-1	EASA Approval EASA No. 10029876 and 10029875 dated 28th, April 2010
40	10/10	iii, iv, v, vi, 3, S16-1,2,3.	EASA Approval EASA No. 10033664, dated 2nd February 2011

Amendments

This manual is kept up to date by amendments consisting of looseleaf pages, required to add new information or amend existing information. Pages affected by an amendment and the effective date are shown above. The pages themselves are identified by a change of the issue number at the bottom of each page. The number after the point in the issue number represents the amendment level of that page, eg the page marked Issue 1.4 is at Issue 1, modified by Amendment 4. The checklist of pages indicates the issue level of all pages included in this Flight Manual.

Change of Ownership

If the ownership of this balloon changes, it is important for the new owner to contact Lindstrand Balloons to ensure that they receive Flight Manual Amendments and Supplements, as appropriate. This can be simply achieved by photocopying Page ii of this manual and writing your name and full correspondence address on the reverse side and sending to Lindstrand Balloons.

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FLIGHT MANUAL SUPPLEMENTS

Supplement No.	Title	Tick if Applicable
1	Special Shape Supplement	
2	Superchute Deflation System	
3	Lindstrand Cloudhopper	
4	Removable Cross Partitions	
5	Passenger Protection System	
6	Q-Vent Deflation System	
7	60cm x 90 cm Lightweight Collapsible Basket	
8	LB 48L Envelope	
9	Series 2 Cloudhopper Bottom End	
10	152 x 260 cm Double-T Wheelchair Version Basket	
11	LB 60X	
12	Fire Balloons Operating Instructions	
13	Easy Access Baskets	
14	Basket Occupancy	
15	Ultramagic SA Equipment	
16	125 x 205/220 cm Panoramic Wheelchair Basket	

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1.5 Load Calculations

1.5.1 Maximum Mass

The Maximum Mass (MM) is the figure used in the design and certification of the envelope and this weight must never be exceeded. The Maximum Mass for all Lindstrand Balloons envelope sizes are tabulated below:

TABLE 1 - LINDSTRAND ENVELOPES

Balloon Type		Volume		FAI	Maximum Mass		Envelope Weight	
		cu.m	cu.ft	Class	kg	Lbs	kg	lbs
A-Type	42	1190	42000	AX5	420	924	46	101
A-Type	56	1590	56000	AX6	560	1232	62	136
A-Type	60	1700	60000	AX7	600	1320	65	143
A-Type	69	1950	69000	AX7	690	1518	76	167
A-Type	77	2180	77000	AX7	770	1694	84	185
A-Type	90	2550	90000	AX8	900	1980	99	218
A-Type	105	2970	105000	AX8	1050	2310	115	253
A-Type	120	3400	120000	AX9	1200	2640	132	290
A-Type	140	3964	140000	AX9	1400	3086	154	338
A-Type	150	4250	150000	AX10	1450	3190	161	363
A-Type	160	4530	160000	AX10	1600	3520	170	374
A-Type	180	5100	180000	AX10	1630	3586	176	387
A-Type	210	5950	210000	AX10	1890	4180	209	460
A-Type	240	6800	240000	AX11	1940	4268	242	532
A-Type	260	7362	260000	AX11	2270	4994	259	570
A-Type	310	8780	310000	AX11	2700	5940	291	640
A-Type	317	8976	317000	AX11	2760	6072	300	660
A-Type	330	9344	330000	AX12	2875	6325	305	671
A-Type	360	10194	360000	AX12	3132	6890	348	766
A-Type	400	11327	400000	AX12	3400	7480	350	770
A-Type	425	12034	425000	AX12	3610	7942	400	880

Balloon Type		Volume		FAI	Maximum Mass		Envelope Weight	
		cu.m	cu.ft	Class	Kg	Lbs	kg	lbs
S-Type	210	5950	210000	AX10	1890	4180	263	579
S-Type	260	7362	260000	AX11	2270	4994	331	728
S-Type	317	8976	317000	AX11	2930	6446	382	840

Balloon Type		Volume		FAI	Maximum Mass		Envelope Weight	
		cu.m	cu.ft	Class	Kg	lbs	kg	lbs
B-Type	56	1590	56000	AX6	560	1232	74	163
B-Type	69	1950	69000	AX7	690	1518	82	180
B-Type	77	2180	77000	AX7	770	1694	90	198
B-Type	90	2550	90000	AX8	900	1980	110	242
B-Type	105	2970	105000	AX8	1050	2310	121	266

Balloon Type		Volume		FAI	Maximum Mass		Envelope Weight	
		cu.m	cu.ft	Class	kg	lbs	kg	lbs
C-Type	400	11326	400000	AX12	3400	7480	350	770
C-Type	500	14158	500000	AX13	4250	9350	442	972
C-Type	600	16886	600000	AX14	5100	11220	530	1166