UNITED KINGDOM
CIVIL AVIATION AUTHORITY

BB6 **Issue 10** **FEBRUARY 2004** **Models: LBL Cake, LBL Pink Panther, LBL Salami, LBL Ice Cream Cone, LBL Flying M, LBL Lozenge, LBL Newspaper, LBL Fruit Bottle, LBL Drinks Can, LBL Armchair, LBL Four, LBL RR21, LBL Cornetto, LBL Stove,** **LBL Man, LBL Bananas,**	**LBL Flowers, LBL Bear, LBL Racing Car, LBL Saloon Car,LBL J & B Bottle, LBL Telewest Sphere, LBL Pop Can, LBL Flying Pig, LBL Octopus, LBL Syrup Bottle, LBL Baby Bel, LBL Box, LBL Pharmacist, LBL Battery, LBL Tulips, LBL Sun, LBL Bulb, LBL Oriental Duck, LBL Dog**

TYPE CERTIFICATE DATA SHEET NO. BB6

This data sheet prescribes conditions and limitations under which the product for which the Type Approval was issued meets the airworthiness requirements of the United Kingdom Civil Aviation Authority.

TYPE DESIGN ORGANISATION: Lindstrand Hot Air Balloons Ltd
Maesbury Road
Oswestry
Shropshire
SY10 8ZZ
England

MANUFACTURER: Lindstrand Hot Air Balloons Ltd
Maesbury Road
Oswestry
Shropshire
SY10 8ZZ
England

Models: LBL Cake, LBL Pink Panther, LBL Salami, LBL Ice Cream Cone, LBL Flying M, LBL Lozenge, LBL Newspaper, LBL Fruit Bottle, LBL Drinks Can, LBL Armchair, LBL Four, LBL RR21, LBL Cornetto, LBL Stove, LBL Man, LBL Bananas, LBL Flowers, LBL Bear, LBL Racing Car, LBL Saloon Car, LBL J & B Bottle, LBL Telewest Sphere, LBL Pop can, LBL Flying Pig, LBL Octopus, LBL Syrup Bottle, LBL Baby Bel, LBL Box, LBL Pharmacist, LBL Battery, LBL Tulips, LBL Sun, LBL Bulb, LBL Oriental Duck, LBL Dog - Hot Air Balloons

Envelope	Volume		Drawing	Build Standard Refer to Flight Manual	Date Approved
	cu.ft	cu.m			
LBL Cake	120,000	3,400	SS-001-A-001	LBL HABFM	10.06.93
LBL Pink Panther	90,000	2,550	SS-002-A-001	LBL HABFM	14.06.93
LBL Salami	115,000	3,256	SS-003-A-001	LBL HABFM	26.10.93
LBL Flying M	105,000	2,970	SS-004-A-001	LBL HABFM	15.04.94
LBL Ice Cream Cone	105,000	2,970	SS-005-A-001	LBL HABFM	14.01.94
LBL Newspaper	90,000	2,550	SS-006-A-001	LBL HABFM	26.05.94
LBL Lozenge	105,000	2,970	SS-007-A-001	LBL HABFM	10.02.94
LBL Fruit Bottle	105,000	2,970	SS-008-A-001	LBL HABFM	18.05.94
LBL Drinks Can	90.000	2,550	SS-009-A-001	LBL HABFM	11.07.94
LBL Armchair	105,000	2,970	SS-010-A-001	LBL HABFM	14.11.94
LBL Four	105,000	2,970	SS-011-A-001	LBL HABFM	12.01.95
LBL RR21	21,000	596	SS-012-A-001	LBL HABFM	29.08.95
LBL Cornetto	105,000	2,970	SS-013-A-001	LBL HABFM	17.11.95

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Envelope	Volume		Drawing	Build Standard Refer to Flight Manual	Date Approved
	cu.ft	cu.m			
LBL Dreher Bottle	90,000	2,550	SS-014-A-001	LBL HABFM	27.03.96
LBL Stove	105,000	2,970	SS-015-A-001	LBL HABFM	10.05.96
LBL Man	120,000	3,400	SS-016-A-001	LBL HABFM	19.06.96
LBL Bananas	105,000	2,970	SS-017-A-001	LBL HABFM	24.09.96
LBL Flowers	105,000	2,970	SS-018-A-001	LBL HABFM	01.10.96
LBL Bear	105,000	2,970	SS-019-A-001	LBL HABFM	01.10.96
LBL Racing Car	120,000	3,400	SS-020-A-001	LBL HABFM	09.10.96
LBL Saloon Car	90,000	2,550	SS-021-A-001	LBL HABFM	04.10.96
LBL J & B Bottle	90,000	2,550	SS-022-A-001	LBL HABFM	26.08.97
LBL Telewest Sphere	105,000	2,973	SS-023-A-001	LBL HABFM	11.08.97
LBL Pop can	90,000	2,548	SS-024-A-001	LBL HABFM	29.09.97
LBL Flying Pig	105,000	2,973	SS-025-A-001	LBL HABFM	11.12.97
LBL Octopus	90,000	2,550	SS-026-A-001	LBL HABFM	26.02.98
LBL Syrup Bottle	90,000	2,550	SS-027-A-001	LBL HABFM	15.05.98
LBL Baby Bel	105,000	2,970	SS-028-A-001	LBL HABFM	17.07.98
LBL Box	120,000	3,400	SS-029-A-001	LBL HABFM	23.06.98
LBL Pharmacist	105,000	2,970	SS-030-A-001	LBL HABFM	17.06.99
LBL Battery	105,000	2,970	SS-031-A-001	LBL HABFM	04.08.99
LBL Tulips	120,000	3,400	SS-032-A-001	LBL HABFM	10.07.00
LBL Sun	105,000	2,970	SS-033-A-001	LBL HABFM	11.08.00
LBL Bulb	105,000	2,970	SS-034-A-001	LBL HABFM	29.08.01
LBL Oriental Duck	105,000	2,970	SS-035-A-001	LBL HABFM	11.10.02
LBL Dog	105,000	2,970	SS-036-A-001	LBL HABFM	NYA

BASKET AND BURNER As listed on the build standards referred to in the above table.

FUEL Commercial propane.

MAXIMUM ENVELOPE

TEMPERATURE 120°C

FUEL SYSTEM Minimum two independent tanks with provision to supply pilot lights (double burner), three such tanks for triple burner. Extra tanks may be used. Refer to Flight Manual Build Standard.

MAXIMUM WEIGHT The maximum weight of the balloon is the lesser of the figures given below or the weight calculated in accordance with the flight manual, section 1.

Balloon Type	Maximum Weight (kg)	Balloon Type	Maximum Weight (kg)
LBL Cake	1,200	LBL Racing Car	1,200
LBL Pink Panther	900	LBL Saloon Car	900
LBL Salami	1,150	LBL J & B Bottle	900
LBL Flying M	1,050	LBL Telewest Sphere	1,050
LBL Ice Cream Cone	1,050	LBL Pop can	900
LBL Newspaper	900	LBL Flying Pig	1,050
LBL Lozenge	1,050	LBL Octopus	900
LBL Fruit Bottle	1,050	LBL Syrup Bottle	900
LBL Drinks Can	900	LBL Baby Bel	1,050
LBL Armchair	1,050	LBL Box	1,200
LBL Four	1,050	LBL Pharmacist	1,050
LBL RR21	210	LBL Battery	1,050
LBL Cornetto	1,050	LBL Tulips	1,200

(Cont'd)

Balloon Type	Maximum Weight (kg)	Balloon Type	Maximum Weight (kg)
LBL Dreher Bottle	900	LBL Sun	1,050
LBL Man	1,200	LBL Bulb	1,050
LBL Bananas	1,050	LBL Oriental Duck	1,050
LBL Flowers	1,050	LBL Dog	1,050
LBL Bear	1,050		

MINIMUM EQUIPMENT Minimum equipment and eligible equipment is listed in the approved flight manual.

MINIMUM CREW One (1) pilot.

MAXIMUM OCCUPANTS Not to exceed maximum weight restriction (see Flight Manual).

SERIAL NOS. ELIGIBLE All.

DATA APPLICABLE TO ALL MODELS

MAINTENANCE AND INSPECTION Maintenance and inspection of these balloons must be carried out in accordance with Maintenance Schedule MS/BBAC/1-K for continued airworthiness. See note 1.

CERTIFICATION BASIS British Civil Airworthiness Requirements, Part 31, issue dated 31/8/84, Appendix 1 to CAA letter ref 9/30 IPA dated 27/2/1989.

AIRWORTHINESS UK: Private, Aerial work, Transport (passenger)

CATEGORIES

FLIGHT MANUAL Flight Manual Ref LBL HABFM at current issue with supplement No.1.

NOTE 1 For the purpose of maintenance and inspection log books must be maintained with each hot air balloon envelope. If the burner, basket, instruments and/or tanks are interchanged, they must be listed in the log book of each envelope with which they are used.

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