



# LINDSTRAND BALLOONS

## FLIGHT MANUAL SUPPLEMENT NO. 1.37

### SPECIAL SHAPED ENVELOPE - LBL LION

#### SECTION 1 - OPERATIONAL LIMITATIONS

##### 1.1.6 Wind Speed

Add the following:

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Lion special shaped hot air balloon is 10 knots.

##### 1.1.8 Ascent/Descent Speed

Add the following:

The maximum recommended rate of climb and descent for the LBL Lion special shaped balloon is 2.5 m/s (500 ft/min).

##### 1.5.1 Maximum Weight

TABLE 1

Add the following:

Balloon Type	Nominal Volume		FAI Class	Maximum Weight		Envelope Weight	
	cu.m.	cu.ft.		kg	lbs	kg	lbs
LBL Lion	2551	90,000	AX8	900	1980	293	133

##### 1.5.3 Payload Calculation

Add the following:

Calculation of the payload for the LBL Lion special shaped balloon is identical to the procedure described. The conversion of the lift per unit volume figure, found from the load charts, into a gross lift figure is achieved by multiplying by the nominal volume given above.



## SECTION 2 - NORMAL PROCEDURES

### 2.2.2 Cold Inflation

Add the following:

Ensure that all the 73 deflation vents are closed. These are situated as follows:

20 in the mane appendage, 10 in the crown appendage, 7 in the nose, cheeks and jaw appendages. There are 18 individual hair appendages with 2 deflation vents in each.

### 2.3.2 In-Flight Control

Add the following:

A vent is provided for in-flight venting. This is operated by pulling on the candy stripe line to open.

### 2.3.4 Landing

Final deflation is achieved by pulling the candy stripe coloured line, which will operate the parachute valve.

APPROVED BY EASA UNDER APPROVAL NR. EASA.BA.C 01022 ON 2 NOVEMBER 2005