



# LINDSTRAND BALLOONS LTD

## FLIGHT MANUAL SUPPLEMENT NO. 1.33

### SPECIAL SHAPED ENVELOPE - LBL SUN

#### 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 Ltd Sun 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 Sun special shaped balloon is 3.75 m/s (750 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 Sun	2973	105,000	AX8	1050	2310	208	458

##### 1.5.3 Payload Calculation

Add the following:

Calculation of the payload for the LBL Sun 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 the eleven deflation vents are closed. There is one deflation vent situated on each of the conical points. Ensure that the two deflation rip panels are sealed and that the rip locks are closed.

#### 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

The two rip panels, operated by the red line, are the deflation apertures. They should be opened once the basket has touched the ground for the final landing.