

LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.29

SPECIAL SHAPED ENVELOPE - LBL BOX

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

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

1.1.8 Ascent/Descent Speed

The maximum rate of climb and descent for the LBL Box special shaped balloon is 2.50 m/s (500 ft/min).

1.5.1 Maximum Weight

TABLE 1

Balloon Type	Nominal Volume		FAI Class	Maximum Weight		Envelope Weight	
	cu.m.	cu.ft.		kg	lbs	kg	lbs
LBL Box	3400	120,000	AX9	1200	2640	226	497

1.5.3 Payload Calculation

Calculation of the payload for the LBL Box 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

2.3.2 In-Flight Control

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