

LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.31

SPECIAL SHAPED ENVELOPE - LBL BATTERY

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd Battery special shaped hot air balloon, is 12 knots.

1.1.8 Ascent/Descent Speed

The maximum rate of climb and descent for the LBL Battery special shaped balloon is 3.75 m/s (750 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 Battery	2970	105,000	AX8	1050	2310	240	528

1.5.3 Payload Calculation

Calculation of the payload for the LBL Battery 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.