



LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.24

SPECIAL SHAPED ENVELOPE - LBL POP CAN

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd Pop Can special shaped hot air balloon, is 15 knots.

1.1.8 Ascent/Descent Speed

The maximum rate of climb and descent for the LBL Pop Can special shaped balloon is 3.04 m/s (600 ft/min).

1.5.1 Maximum Mass

TABLE 1

Balloon Type	Nominal Volume		FAI Class	Maximum Mass		Envelope Mass	
	cu.m.	cu.ft.		kg	lbs	kg	Lbs
LBL Pop Can	2548	90,000	AX8	900	1980	175	385

1.5.3 Payload Calculation

Calculation of the payload for the LBL Pop Can 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.

2.2.2 Cold Inflation

Ensure that the 4 deflation vents are closed. These are 2 situated in each of the silver end caps.

2.3.2 In-Flight Control

A parachute deflation vent is available for in flight venting and final deflation. It is operated by pulling the candy stripe line. Care must be employed when operating the balloon close to the maximum descent rate.