



LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.20

SPECIAL SHAPED ENVELOPE - LBL RACING CAR

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd Racing Car special shaped hot air balloon is 5 knots.

1.1.8 Ascent/Descent Speed

The maximum recommended rate of climb and descent for the LBL Racing Car special shaped balloon is 2.5 m/s (500 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 Racing Car	3400	120,000	AX9	1200	2640	580	1276

1.5.3 Payload Calculation

Calculation of the payload for the LBL Racing Car 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 54 deflation vents are closed. There are 32 situated with the main car bodies, 1 in each of the 8 wheels, 6 in the top fins and 8 in the front wings.