



LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.1

SPECIAL SHAPED ENVELOPE - LBL CAKE

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 Cake special shaped hot air balloon is 5 knots.

1.1.8 Ascent/Descent Speed

Add the following:

The maximum rate of climb and descent for the LBL Cake special shaped balloon is 2.5 m/s (500 ft/min).

1.5.1 Maximum Mass

TABLE 1

Add the following:

Balloon Type	Nominal Volume		FAI Class	Maximum Mass		Envelope Mass	
	cu.m.	cu.ft.		kg	lbs	kg	lbs
LBL Cake	3400	120,000	AX10	999	2198	310	682

1.5.3 Payload Calculation

Add the following:

Calculation of the payload for the LBL Cake 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.