



LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.3

SPECIAL SHAPED ENVELOPE - LBL FLYING M

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 Flying M 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 Flying M special shaped balloon is 1.5 m/s (300 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 Flying M	2973	105,000	AX8	1050	2310	450	990

1.5.3 Payload Calculation

Add the following:

Calculation of the payload for the LBL Flying M 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.

2.3.2 In-Flight Control

Add the following:

Fast descent rates can be easily initiated from level flight or medium descents. Care must be employed.