



LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.16

SPECIAL SHAPED ENVELOPE - LBL MAN

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd Man special shaped hot air balloon is 10 knots.

1.1.8 Ascent/Descent Speed

The maximum recommended rate of climb for the LBL Man special shaped balloon is 3 m/s (600 ft/min) and the maximum recommended rate of descent is 5 m/s (1000 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 Man	3400	120,000	AX9	1200	2640	306	673

1.5.3 Payload Calculation

Calculation of the payload for the LBL Man 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 10 deflation vents are closed. These are situated 1 on the brim, 1 on the hair, 2 on the shoulders, 2 on the elbows, 2 in the groin, and 2 on the shoes.

2.3.4 Landing

The LBL Man special shaped balloon is fitted with two velcro rip panels for final deflation only and a small parachute for in-flight venting.