

LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 8

NATURAL SHAPED ENVELOPE - LBL 48L

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd 48L natural shaped hot air balloon, is 15 knots.

1.1.8 Ascent/Descent Speed

The maximum rate of climb and descent for the LBL 48L natural shaped balloon is 5.0 m/s (1,000 ft/min).

1.4.5 The LBL 48L envelope must not be tethered.

1.5.1 Maximum Weight

TABLE 1

Balloon Type	Nominal Volume		FAI Class	Maximum Weight		Envelope Weight	
	cu.m.	cu.ft.		kg	lbs	kg	lbs
LBL 48L	1359	48,000	AX6	480	1056	40	88

1.5.3 Payload Calculation

Calculation of the payload for the LBL 48L natural 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.