



LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.26

SPECIAL SHAPED ENVELOPE - LBL OCTOPUS

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

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

1.1.8 Ascent/Descent Speed

The maximum recommended rate of climb and descent for the LBL Octopus special shaped balloon is 4.0 m/s (800 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 Octopus	2550	90,000	AX8	900	1980	156	343

1.5.3 Payload Calculation

Calculation of the payload for the LBL Octopus 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. The vents are located one on the bottom of each tentacle, one on the top of the nose and one on the rear side of the bow.