



# LINDSTRAND BALLOONS LTD

## FLIGHT MANUAL SUPPLEMENT NO. 1.12

### SPECIAL SHAPED ENVELOPE - LBL RR21

#### 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 RR21 special shaped hot air balloon is 8 knots.

##### 1.1.8 Ascent/Descent Speed

Add the following:

The maximum rate of climb for the LBL RR21 special shaped balloon is 2.5 m/s (500 ft/min).

The maximum rate of descent for the LBL RR21 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 RR21	595	21,000	AX3	210	462	44	97

##### 1.5.3 Payload Calculation

Add the following:

Calculation of the payload for the LBL RR21 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.