

LINDSTRAND BALLOONS

FLIGHT MANUAL SUPPLEMENT NO. 11

X SERIES

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 X Series hot air balloons is 15 knots.

1.1.8 Ascent/Descent Speed

Add the following:

The maximum rate of climb and descent for the X Series hot air balloons is 8.6 m/s (1,700 ft/min).

1.5.1 Maximum Weight

TABLE 1

Add the following:

Balloon Type	Nominal Volume		FAI Class	Maximum Weight		Envelope Weight	
	cu.m.	cu.ft.		kg	lbs	kg	lbs
LBL 60X	1,699	60,000	AX7	600	1320	98	216
LBL 69X	1,954	69,000	AX7	690	1518	103	226

1.5.3 Payload Calculation

Add the following:

Calculation of the payload for the X Series 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.

2.2.7 Hot Inflation

Add the following:

For the X Series, with its' greater length and smaller maximum diameter, care should be taken when first turning on the burners. If the envelope has been filled with too much cold air, the burner flame can be pushed radially outwards by out-flowing cold air. This can cause burn damage to the flying wire / envelope connection in extreme conditions. The best method for avoiding this is to turn the fan down to a lower speed setting for the start of the hot inflation.

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2.3.2 In-Flight Control

Add the following:

The X Series Racer balloon has been specifically designed to move vertically through the air quickly. One consequence of this design change is that this balloon shape is much more responsive. When you first fly the balloon, it is advised that you pay close attention to your vertical speed.

APPROVED BY EASA UNDER APPROVAL NR. 2004-5146 ON 14 MAY 2004