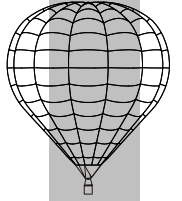


FLIGHT MANUAL SUPPLEMENT 36
Special Shape F-33 “Pharox Lamp”



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36.1 General Information

In this supplement are introduced the particular characteristics and limitations of the hot air balloon special Shape F-33 “Pharox Lamp”.

It will be kept the same numbering of the different sections with the §36.X to know at which sections correspond of the Main Manual, accepting they are substituted or appended by the indicated in this supplement.

36.2 Limitations of use

F-33 Special Shape will have the vertical speeds of ascent and descent and the Maximum Wind speed at Take Off limited in the following manner:

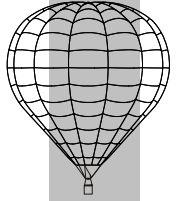
Model	Vmax Ascent	Vmax Descent	Max Wind Speed
F-33	3 m/s	3 m/s	10 Knots

36.3 Emergency procedures

No change.

36.4 Standard procedures

No change.



36.5 Loading

For the calculations in the Load Chart of chapter 5 of the Flight Manual will be used the following characteristics:

Model	V	Basket	Pv	Lmax
F-33	3458	C-1	278	990
		C-3	298	990
		C-4	316	990
		C-10	307	990

V = volume [m³]

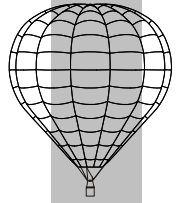
Pv = Empty weight (without any cylinder) [Kg]

Lmax = Maximum authorised Lift [Kg]

F-33 envelope is approved for flight using the following burners:

- MK-10 Double
- MK-21 Double
- BMK-008 Double

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36.6 Balloon and Systems Description

See following table corresponding to mass and dimensions:

	SERIES	F
Type		F-33
Vol. (m ³)		3500
Effective vol. (m ³)		3458
Number of gores		20
FAI class		AX-9
Total height (m)		36.12
Standard basket		C-1
Weight in Standard configuration (Kg)		*329
Envelope		
Height (m)		31.26
Max Diameter (m)		16.12
Diameter at the Mouth (m)		3.10
Weight (Kg)		198
Parachute		
Diameter (m)		6.00

* incl. 2 M-30D cylinders at 10%, C-1 basket, MK-21 double burner/frame, envelope and minimum equipment

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36.7 Balloon Maintenance, Handling and Care

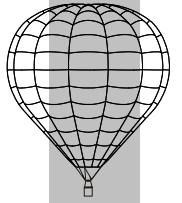
Annual Inspection or every 100 hours (Type B)

All revisions will be type C.

36.8 Other manufacturer's equipment

Add the following:

Consider the F-33 "Pharox" as an Ultramagic envelope of 120.000 ft³ for eligibility purposes. A maximum Lift of 990 kg must be applied.



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Legal advice: PHAROX is a trademark of Lemnis U.S.A., Inc.