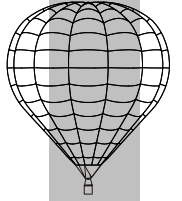


FLIGHT MANUAL SUPPLEMENT 27 Special Shape F-31 “Mazorca Dekalb”



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27.1 General Information

In this supplement are introduced the particular characteristics and limitations of the hot air balloon special Shape F-31 “Mazorca”.

It will be kept the same numbering of the different sections with the §27.X to know at which sections correspond of the Main Manual, accepting they are substituted or appended by the indicated in this supplement.

27.2 Limitations of use

F-31 Special Shape will have the vertical speeds of ascent and descent and the Maximum Wind speed at Take Off limited in the following manner:

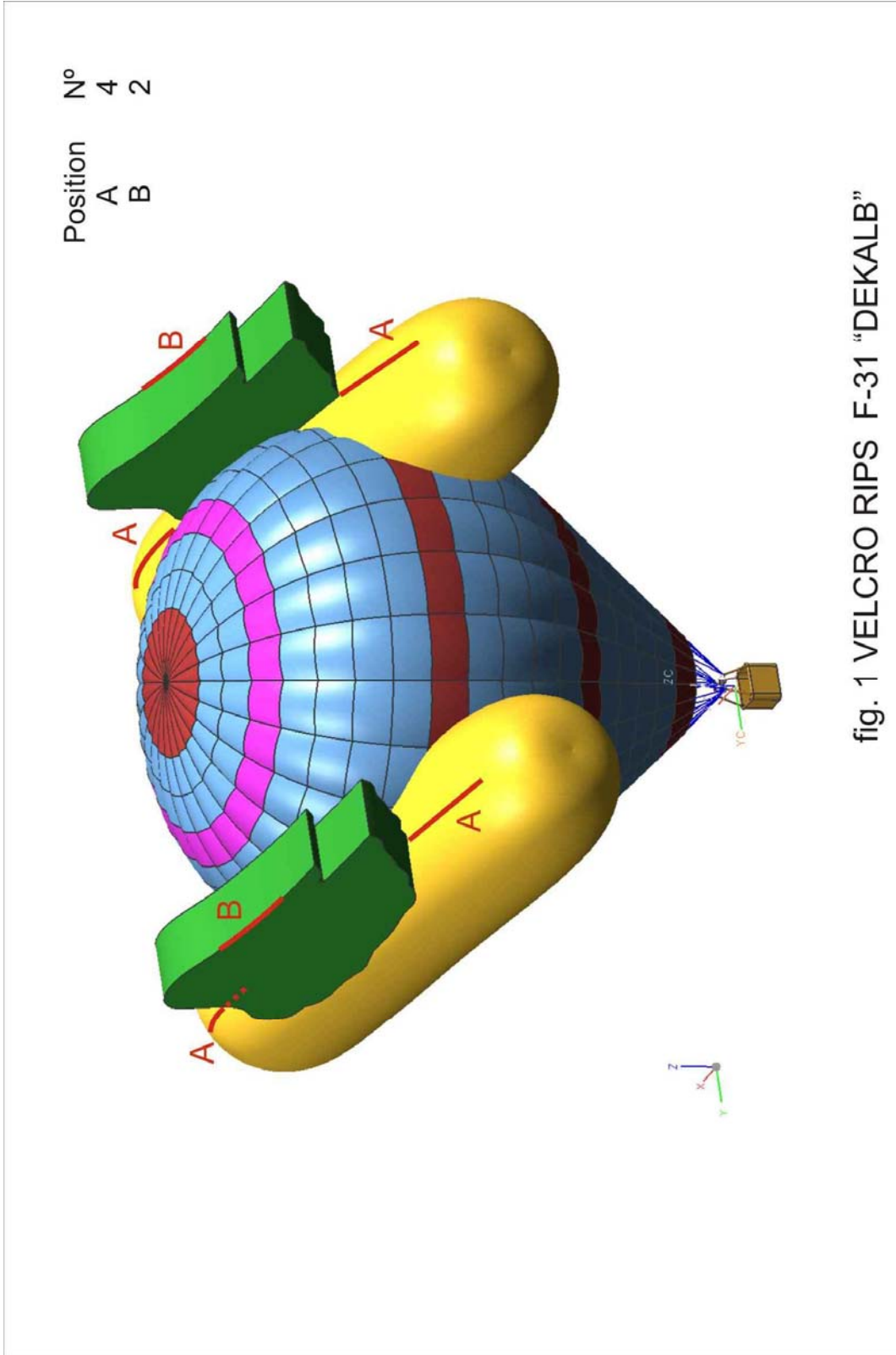
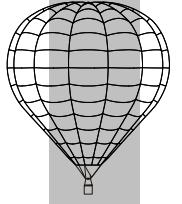
Model	Vmax Ascent	Vmax Descent	Max Wind Speed
F-31	3 m/s	3 m/s	7 Knots

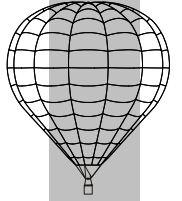
27.3 Emergency procedures

No change.

27.4 Standard procedures

Additionally check that all Velcro rips indicated in fig. 1 are closed before hot inflation.





27.5 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-31	3.400	C-1	363	990
		C-3	383	990
		C-10	392	990

V = volume [m³]

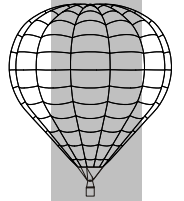
Pv = Empty weight (without any cylinder) [Kg]

Lmax = Maximum authorised Lift [Kg]

F-31 envelope must be flight using one of the following burners:

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

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27.6 Balloon and Systems Description

See following table corresponding to mass and dimensions:

SERIES F

Type	F-31
Vol. (m ³)	4.744
Effective vol. (m ³)	3.400
Number of gores	24
FAI class	AX-10
Total height (m)	24,30
Standard basket	C-1
Weight in Standard configuration (Kg)	363
Envelope	
Height (m)	20,52
Max width (m)	24.62
Diameter at the Mouth (m)	3.80
Weight (Kg)	255
Parachute	
Diameter (m)	6,5

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27.7 Balloon Maintenance, Handling and Care

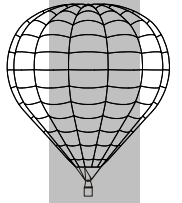
Annual Inspection or every 100 hours (Type B)

All revisions will be type C and will be chosen additionally the following areas for the Grab Test prescribed:

- Upper area on corncob appendix.
- Upper area on the wings.

27.8 Other manufacturer's equipment

No change.



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