

## Supplement 7 – Special Shape F-25 “Futbol”

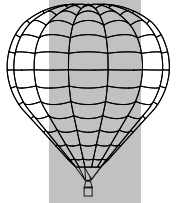
### Introduction

In this supplement are introduced the particular characteristics and limitations of the hot air balloon special Shape F-25 “Futbol”.

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

### 7.1 Mass and Dimensions

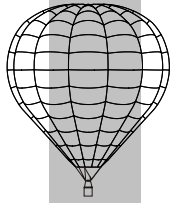
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## SERIES F

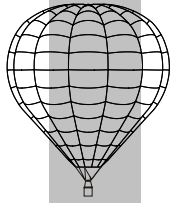
<b>Type</b>	<b>25</b>
Total Volume (m3)	3000
Effective Volume (m3)	2867
Number of gores	24
FAI Class	AX8
Total height in flight (m)	21.0
Basket (standard config.)	C-10
Empty Mass (Kg) (standard config.)	314
<b>Envelope</b>	
Height (m)	17.9
Max. diameter	18.1
Length (m)	
Width (m)	
Diameter at mouth (m)	3.8
Mass (Kg)	170
<b>Parachute/FDS</b>	
Diameter (m)	6.0



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## 7.2 Vertical Speed

The following 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-25	4 m/s	4 m/s	10 Knots

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### 7.3 Load Chart

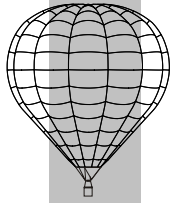
For the calculations in the Load Chart of chapter 5 of the Flight Manual will be used the following characteristics:

Model	V	Basket	Pv	Lmax
F-25	28,7	C-1	260	980
		C-3	284	980
		C-10	288	980
		C-4	293	980

V=volume in hundreds of m<sup>3</sup>

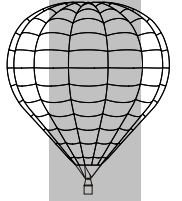
Pv=Empty weight

Lmax=Maximum authorised Lift



**7.4 Annual Inspection or every 100 hours (Type B)**

All revisions will be type C



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