

## FLIGHT MANUAL SUPPLEMENT 8

### Special Shape F-26 "Heart"

#### 8.1 General Information

In this supplement are introduced the particular characteristics and limitations of the hot air balloon special Shape F-26 "Heart".

It will be kept the same numbering of the different sections with the §8.X to know at which sections correspond of the Main Manual, accepting they are substituted or appended by the indicated in this supplement.

#### 8.2 Limitations of use

F-26 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-26	3 m/s	3 m/s	7 Knots

#### 8.3 Emergency procedures

No change.

#### 8.4 Standard procedures

No change.

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## 8.5 Loading

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

<b>Model</b>	<b>V</b>	<b>Basket</b>	<b>Pv</b>	<b>Lmax</b>
F-26	29.9	C-3	284	950

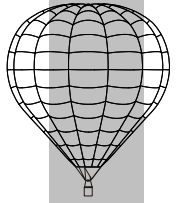
V = volume [m<sup>3</sup>x100]

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

Lmax = Maximum authorised Lift [Kg]

The Standard burners for F-26 special shape envelope are:

- MK-21 Double
- BMK-008 Single / Double

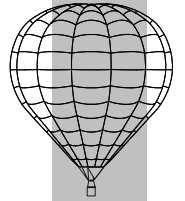


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**8.6 Balloon and Systems Description**

See following table corresponding to mass and dimensions:

	SERIES	F
<b>Type</b>		<b>26</b>
Vol. (m³)		3056
Effective vol. (m³)		2995
Number of gores		24
FAI class		AX8
Total height (m)		30.8
Standard basket		C-3
Weight in Standard configuration (Kg)		284
<b>Envelope</b>		
Height (m)		27.1
Max Length (m)		45.3
Diameter at the mouth (m)		3.8 - 2.0
Weight (Kg)		185
Parachute / FDS Diameter (m)		6.0



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**8.7 Balloon Maintenance, Handling and Care**

Annual Inspection or every 100 hours (Type B)

All revisions will be type C (fabric grab test required). Grab test will be done also on top of the heart (without arms and hands) in both sides.

**8.8 Other manufacturer's equipment**

No change.