



Special Shape "Heart"

8.1 General Information

In this supplement are introduced the particular characteristics and limitations of the hot air balloons special Shapes F-26 "Heart" and F-39 "Heart XL".

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 and F-39 Special Shapes 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 | |
| F-39 | 3 m/s | 3 m/s | 7 Knots | |

8.3 Emergency procedures

No change.

8.4 Standard procedures

No change.

8.5 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-26 | 29.9 | C-3 | 284 | 950 |
| | | C-1 | 275 | 950 |
| | | C-10 | 303 | 950 |
| | | C-4 | 308 | 950 |
| F-39 | 41 | C-2 | 332 | 1088 |
| | | C-1 | 337 | 1369 |
| | | C-3 | 349 | 1400 |
| | | C-10 | 365 | 1365 |
| | | C-4 | 370 | 1400 |
| | | C-6 | 411 | 1400 |
| | | C-7 | 444 | 1400 |

 $V = volume [m^3x100]$

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 Simple or Double

The Standard burners for F-39 special shape envelope are:

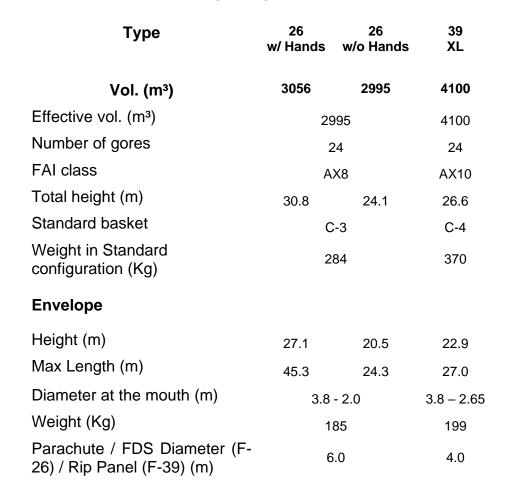
- MK-10 Double
- MK-21 Double
- MK-32 Double

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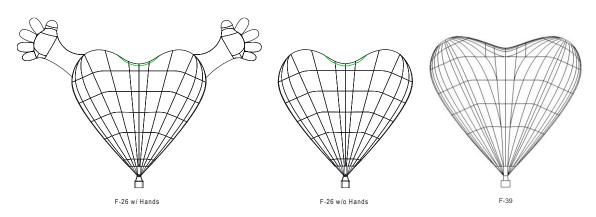
8.6 Balloon and Systems Description

See following table corresponding to mass and dimensions:

SERIES F

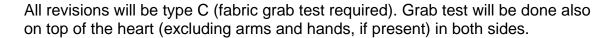


Observe the differences between variants in the figure below:



8.7 Balloon Maintenance, Handling and Care

Annual Inspection or every 100 hours (Type B)





No change.

