

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.

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

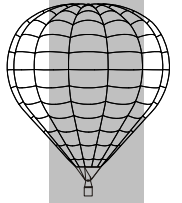
V = volume [m³x100]

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

Lmax = Maximum authorised Lift [Kg]

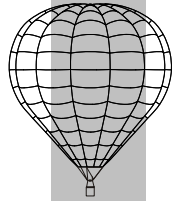
The Standard burners for F-26 special shape envelope are:

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



8.6 Balloon and Systems Description

See following table corresponding to mass and dimensions:

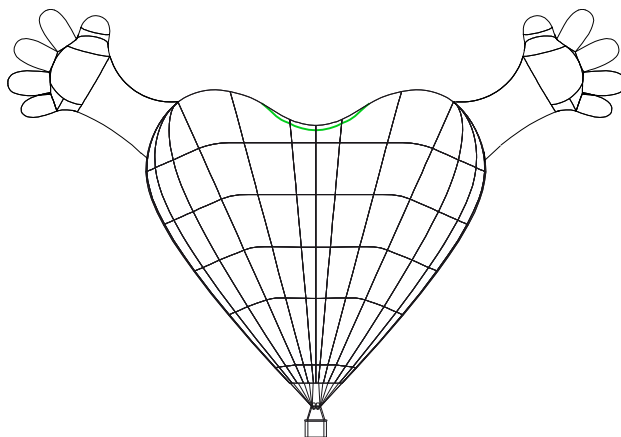


SPECIAL SHAPE F-26 "HEART"

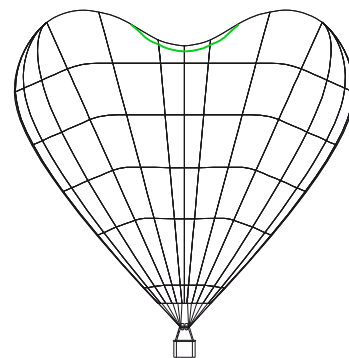
SERIES F

Type	26 w/ Hands	26 w/o Hands
Vol. (m ³)	3056	2995
Effective vol. (m ³)	2995	
Number of gores	24	
FAI class	AX8	
Total height (m)	30.8	24.1
Standard basket	C-3	
Weight in Standard configuration (Kg)	284	
Envelope		
Height (m)	27.1	20.5
Max Length (m)	45.3	24.3
Diameter at the mouth (m)	3.8 - 2.0	
Weight (Kg)	185	
Parachute / FDS Diameter (m)	6.0	

Observe the differences between variants in the figure below:



F-26 w/ Hands



F-26 w/o Hands

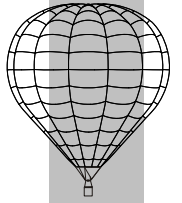
8.7 Balloon Maintenance, Handling and Care

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 (excluding arms and hands, if present) in both sides.

8.8 Other manufacturer's equipment

No change.



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