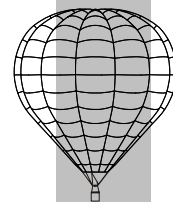


ULTRAMAGIC FLIGHT MANUAL SUPPLEMENT 52

G – Series Envelopes



52.1 General Information

In this supplement are introduced the particular characteristics, instructions and limitations necessary to ensure the safe operation, maintenance and continued airworthiness of the Ultramagic G-Series Envelopes.

This supplement is specific to the following Envelopes and equipment:

Envelope: G-90 (2,550 m³)

The section indexes on this supplement are preceded with the §52.X, and the suffix is kept in line with the Ultramagic Flight Manual. The content of this supplement replaces or appends the information contained on the Flight Manual for the balloon or parts to which this supplement is intended.

52.2 Limitations of use

No change.

52.3 Emergency procedures

No change.

52.4 Standard procedures

No change.

52.5 Loading

52.5.2 Table of Empty Weight and Maximum Lift

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
G-90	2550	CT-02	185	835
		CT-03	174	662
		C-1	203	878
		C-2	198	878
		C-3	215	878
		C-4	236	878
		C-10	231	878

V = Volume [m³]

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

Lmax = Maximum authorised Lift [Kg]

52.5.4 Table of Compatibility

SIZE	G-90
BURNERS	
MK-10 Double	x
BMK-008 Single	*
BMK-008 Double	x
MK-21 Single	x
MK-21 Double	x
MK-32 Double	x
BASKETS	
CT-02	x
CT-03	x
C-1	x
C-2	x
C-3	*
C-4	x
C-10	x
MIN.CYL.	2
- Standard configuration =	*
- Compatible configuration =	x

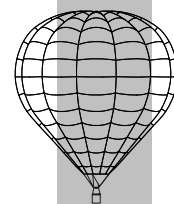
52.5.6 Reduced Maximum Take Off Mass Operation

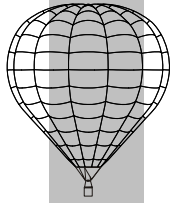
The Reduced MTOM for G-90 is of 855 kg.

52.6 Balloon and Systems Description**52.6.3 Dimensions and Weights**

See following table corresponding to mass and dimensions:

SERIES G	
Type	G-90
Vol. (m ³)	2550
Number of gores	8
FAI class	AX-8
Total height (m)	21.11
Standard basket	C-3
Weight in Standard configuration (Kg)	*287





Envelope

Height (m)	17.14
Max Diameter (m)	18.34
Diameter at the mouth (m)	3.80
Weight (kg)	112
Min. Karabiner strength (kg)	3000

Parachute

Diameter (m)	6.00
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* incl. 2 M-20D cylinders at 100%, C-3 Basket, BMK-008 Simple burner/frame, envelope and minimum equipment

52.7 Balloon Maintenance, Handling and Care

No change.

52.8 Other manufacturer's equipment

No change.