

Approved by CAA under approval number UK.MAJ.00459 on 07 February 2025

8.57 NEW ENVELOPES

8.57.1 GENERAL INFORMATION

This supplement shall be inserted in the Flight Manual, in Section 8: 'Supplements' with the revisions record sheet amended accordingly.

Information contained herein supplements, or in the case of conflict supersedes that contained in the basic Flight Manual. For Limitations, Procedures, and Performance Data not contained in this supplement, consult the basic Hot Air Balloon Flight Manual.

Issue 7 of this supplement consists of 2 pages.

8.57.1.2 Certification Basis

The model of balloon for which this supplement is applicable have been approved under the following Type Certificates.

Model	Type Certificate
O-38	UK.TC.BA.00002
Z-300	UK.TC.BA.00002

8.57.2 LIMITATIONS

Table 2 (additional): Envelope Weight Limits and Volumes

Variant	Volume		Standard MTOM		Reduced MTOM		MLM		FAI Class AX
	ft³	m²	kg	lb	kg	lb	kg	lb	
38	38 000	1076	344	760	344	760	172	380	5
300	300 000	8496	2721	6000	2699	5951	1361	3001	11

8.57.3 EMERGENCY PROCEDURES

No change.

8.57.4 NORMAL PROCEDURES

No change.

8.57.5 WEIGHT CALCULATIONS

Table 3 (additional): Total Permitted Lift (kg)

Balloon Size	Lift (lb) Per 1000 cu.ft										
	10	11	12	13	14	15	16	17	18	19	20
38	172	190	207	224	241	259	276	293	310	327	344
300	1361	1497	1633	1769	1905	2041	2177	2313	2449	2585	2721

Table 4 (additional): Total Permitted Lift (lb)

Balloon Size	Lift (lb) Per 1000 cu.ft										
	10	11	12	13	14	15	16	17	18	19	20
38	380	418	456	494	532	570	608	646	684	722	760
300	3000	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000

8.57.6 BALLOON AND SYSTEMS DESCRIPTION

No change.

8.57.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

8.57.9 EQUIPMENT LIST

Table 5 (additional): Envelopes

Envelope Type	Drawing Number	Applicable Burners	Applicable Baskets
O-38	CB1838	A	A, B, C, D
Z-300	CB1857	C, D	K, L, M, N, O, P, Q