



9.10 EX-70, EX-77 and EX-90 Envelopes

9.10.1 Approval details

Approved By



Approval Date

9.10.1.1 General Information

This supplement covers the Kavanagh EX-70, EX-77 and EX-90 Envelopes.

This supplement should be inserted in the Flight Manual and the List of Supplements updated accordingly.

Information in this supplement, or in the case of conflict, supersedes information in the Flight Manual. Consult the Flight Manual for any and all limitations, procedures or performance data not contained in this supplement.

Issue 2 of this supplement has 2 pages

9.10.1.2 Certification Basis

The types of balloon to which this manual is applicable have been approved by the Civil Aviation Safety Authority of Australia, in accordance with CASR Part 31, under the following Type Certificates:

Table 1 - Type Certificates and applicable models

Type Certificate	Model	From serial No.
VL507	EX-70	567
VL507	EX-77	574
VL507	EX-90	566

This page CASA approved



9.10.2 Limitations

9.10.2.1 Gross Certificated Weight

Table 2 - Active Volume and GCW for each model

Model	Active Volume		GCW(KG)
	Ft ³	m ³	
EX-70	70,000	1983	680
EX-77	77,000	2180	760
EX-90	90,000	2549	902

9.10.7 Balloon System and Description

9.10.7.12.1 Envelope list

Table 3 - Envelopes

Model	Burner	Basket	Load Frame	GCW (Kg)
EX-70	B, C, G	A, A2, B	A,B	680
EX-77	B, C, G	A, A2, B	A, B	760
EX-90	B, C, G	A2, B	A,B	902

NOTE: *The above basket options may be of a lower GCW than the envelope. This is allowable provided the GCW is reduced to that of the basket. Always refer to section 5.3 of the Flight Manual, loading system.*