UNITED KINGDOM
CIVIL AVIATION AUTHORITY

BA 17
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Slingsby Aviation Ltd
FIREFLY SERIES
T67A, T67B, T67C, T67M,
T67M MkII, T67M200,
T67M260, T67M260-T3A

TYPE CERTIFICATE DATA SHEET No. BA17

This data sheet which is part of CAA Type Certificate No. BA17 prescribes conditions and limitations under which the product, for which the type certificate was issued, meets the airworthiness requirements of the Civil Aviation Authority.

TYPE CERTIFICATE HOLDER:
Slingsby Aviation Ltd
Kirkbymoorside
Yorkshire
YO62 6EZ

MANUFACTURER:
Slingsby Aviation Ltd
Kirkbymoorside
Yorkshire
YO62 6EZ

AIRCRAFT TYPE/
MODEL NUMBER(S):
T67 Firefly
T67A, T67B, T67C, T67M, T67M Mk II, T67M200, T67M260, T67M260-T3A

TYPE DESIGN DEFINITION:

T67A	SEL DON 010 (Modification Mod.MO)
T67B	SAL DON 150 (Modification Mod. M110)
T67C	SAL Modification No. M130
	SAL DON 190
T67M	SAL DON 110 SAL Mod. No. 100
T67M MkII	SAL DON 205
T67M200	SAL Modification No. M150 SAL Don.225
T67M260	Drawing No. T67G-00-001
	(Doc. no. T67G-900-022) SAL Mod. M700
T67M260-T3A	Drawing No. T67G-00-001
	(Doc.No. T67G-900-006) SAL Mod. M500

CERTIFICATION BASIS:

The following requirements are the basis for the certification of the T67 Firefly Series:-

T67A

CAA Airworthiness Notice No. 15 Issue 3 dated 15 February 1981.

Slingsby Modifications - Current Provisions of FAR 23.

T67B, T67C, T67M, T67M Mark II and T67M200:

Requirements based on US CFR 14 Part 23 at Amendment 23-27 and BCAR Section K, Chapters 2-2 to 2-5 and requirements for certification of composite structures as detailed in CAA letter to Slingsby Aviation Ltd, reference 9/30/GSL2408 dated 2 December 1982.

T67M260:

JAR 23 Light Aeroplanes at Draft Issue 4.
Features and characteristics not directly related to increased power and weight over that of the T67M200 meet the certification basis specified above for the T67B through T67M200.

Requirements for which compliance was not required as under the derivative principle they relate to features not affected by increased power or weight over that of previous models:-

JAR 23.1091(b)(4) & (5)	Air induction system
JAR 23.1143 (g)	Auxiliary power unit controls
JAR 23.1553	Fuel quantity indication

T67M260-T3A:

14 CFR Part 23 dated February 1st 1965 amended through amendment 23-42 effective February 4th 1991 and those paragraphs in Subpart C, Emergency Landing Conditions, as amended through amendment 23-35, effective October 11th 1988.

T67M260 and T67M260- T3A:

Airworthiness Notice No. 76 Electrical power supplies for aircraft radio systems.

Airworthiness Notice No. 88 Electrical generation systems bus-bar low voltage warning. Special Conditions relating to high intensity radiation fields, (HIRF), and the direct and indirect effects of lightning.

Item of Equivalent Safety

* FAR/JAR 23.961 requires that the fuel systems must be free from vapour lock when using fuel at a temperature of 110ºF.

* This is approved on the basis of equivalent safety from tests conducted using fuel at 106ºF, satisfactory experience with the similar T67M200 and the high fuel flow margin provided by the fuel pump.

*SAL FTR 042 cleared the T67M260 and T67M260-T3A variants to 110°F (43.3 °C)) this showing compliance with FAR/JAR 23.961.

CERTIFICATION CATEGORY: Transport Category (Passenger)

CERTIFICATION DATE:

T67A	1 October 1981
T67B	18 September 1984
T67C	15 December 1987
T67C (for Canada)	16 June 1992
T67M	2 August 1983
T67M MkII	20 December 1985
T67M200	19 June 1987
T67M260	11 November 1993
T67M260 T-3A	15 December 1993

PERFORMANCE CATEGORY: Performance Group E

FLIGHT MANUAL:

The CAA approved Flight Manuals incorporating the required limitations, recommended procedures and information, are contained in the following Pilots Operating Handbooks:

T67A:	Doc. No. TP.67A/FM
T67B:	Doc. No. TP.T67B/FM
T67C:	Doc. No. TP.T67C/FM and Doc. No. TP.T67C3/FM
T67M:	Doc. No. TP.T67M
T67M Mark II, Firefly:	Doc. No. TP.T67M Mk II/FM
T67M200:	Doc. No. TP. T67M200/FM
T67M200 Club Sport Pro	Doc. No. T67M200/CS/POH
T67M260	Doc No. T67M260 POH
T67M260 (T-3A):	Doc. T.O. 1T-3A-1 for the T-3A (USAF) Designation) version only has been approved by the CAA on behalf of the FAA, for military operation only.

AIRFRAME:

Composite construction except for the T67A which is of wood construction

ENGINES & PROPELLERS

T67A

One Avco Lycoming 0-235-L2A engine Pre Mod M219, Pre Mod M406A, Pre Mod M406B or One Avco Lycoming 0-235-N2A engine Post Mod M219 or One Avco Lycoming 0-235-L2C Post Mod M406A or One Avco Lycoming 0-235-N2C Post Mod M406B. One Hoffmann HO-14-178-120 propeller.

T67B

One Avco Lycoming 0-235-N2A Pre Mod M406B or One Avco Lycoming 0-235-N2C Post Mod M406B.
One Sensenich 72 CK-0-56 propeller.

T67C

One AVCO Lycoming O-320-D2A engine.
One Sensenich 74 DM6-0-64 propeller.

T67M and T67M Mark II

One AVCO Lycoming AEIO-320-D1B engine.
One Hoffmann HO-V-72L-V/V180CB propeller.

T67M200

One AVCO Lycoming AEIO-360-A1E engine.

One Hoffmann HO-V-123K-V/180R propeller (Pre mod M333) or One Hoffmann HO-V-123K-V/180DT propeller (Post mod M333). (Pre Mod. M822).
or One Hoffmann HO-V123K-KV/ 180DT M200 Propeller (Post Mod M822).

T67M260 and T67M260-T3A

One Textron Lycoming AEIO-540-D4A5 engine, CAA validated 8 Nov 1993.
One Hoffmann HO-V123K-KV/180DT propeller.

MAXIMUM WEIGHTS:

Type	Maximum take-off weight	Maximum landing weight	Maximum weight for aerobatics
T67A	1653 lb (750 kg)	1653 lb (750 kg)	1587 lb (720 kg)
T67B	1900 lb (862 kg)	1900 lb (862 kg)	1900 lb (862 kg)
T67C Pre Mod. M357	2000 lb (907 kg)	2000 lb (907 kg)	2000 lb (907 kg)
T67C Post Mod. M357	2100 lb (953 kg)	2100 lb (953 kg)	2100 lb (953 kg)
T67M200	2150 lb (975 kg)	2150 lb (975 kg)	2150 lb (975 kg)
T67M200 Post Mod. M358	2250 lb (1020 kg)	2150 lb (975 kg)	2150 lb (975 kg)
T67M200 Post Mod. M914	2250 lb (1020 kg)	2250 lb (1020 kg)	2250 lb (1020 kg)
T67M	2000 lb (907 kg)	2000 lb (907 kg)	2000 lb (907 kg)
T67M Mk II Pre Mod. M321	2000 lb (907 kg)	2000 lb (907 kg)	2000 lb (907 kg)
T67M Mk II Post Mod. M321	2100 lb (953 kg)	2100 lb (953 kg)	2100 lb (953 kg)
T67M260 & T3A	2525 lb (1146 kg)	2525 lb (1146 kg)	2525 lb (1146 kg)
T67M260 & T3A (Mod M605)	2550 lb (1157 kg)	2550 lb (1157 kg)	2550 lb (1157 kg)

DIMENSIONS:

		M	FT
T67A	Wing Span	10.60 m	34' 9¼"
	Length	7.37 m	24' 2"
	Height	2.37 m	7' 9¼"
	Wing Area	12.60 m^2	135.63ft^2
T67B	Wing Span	10.60 m	34' 9¼"
	Length	7.32 m	24' 1"
	Height	2.36 m	7' 9"
	Wing Area	12.60 m^2	135.63 ft^2
T67C	Wing Span	10.60 m	34' 9¼"
	Length	7.32 m	24' 1"
	Height	2.36 m	7' 9"
	Wing Area	12.60 m^2	135.63 ft^2
T67M	Wing Span	10.60 m	34' 9¼
	Length	7. 29 m	23' 11"
	Height	2.36 m	7' 9"
	Wing Area	12.60 m^2	135.63 ft^2

T67M Mk II	Wing Span Length Height Wing Area	10.60 m 7.29 m 2.36 m 12.60 m^2	34' 9¼ 23' 11" 7' 9" 135.63 ft^2
T67M200	Wing Span Length Height Wing Area	10.60 m 7.323 m 2.36 m 12.60 m^2	34' 9¼ 24' 2" 7' 9" 135.63 ft^2
T67M260 and T67M260-T3A	Wing Span Length Height Wing Area	10.60 m 7.54 m 2.29 m 12.60 m^2	34' 9¼" 24' 9" 7' 6" 135.63ft^2

MINIMUM CREW: One Pilot.

MAXIMUM OCCUPANTS/PASSENGERS: Two, including one pilot.
This number is limited by the space available in the cabin.

OPERATING LIMITATIONS: Refer to the appropriate Flight Manual.

MANDATORY MAINTENANCE INSTRUCTIONS:

T67A	Maintenance Manual TPT67A/MM-A (Incorporates Maintenance Schedule as Part of Section 2)
T67B	Maintenance Manual T67B/MM (Incorporates Maintenance Schedule as Part of Section 2)
T67C	Maintenance Manual T67C/MM (Incorporates Maintenance Schedule as Part of Section 2)
T67M	Maintenance Manual T67M/MM (Incorporates Maintenance Schedule as Part of Section 2)
T67M MkII	Maintenance Manual T67M MkII/MM (Incorporates Maintenance Schedule as Part of Section 2)
T67M200	Maintenance Manual T67M200/MM (Incorporates Maintenance Schedule as Part of Section 2)
T67M260	Maintenance Manual T67M260/MM (Incorporates Maintenance Schedule as Part of Section 2)
T67M260-T3A	Maintenance Manual T-3A/MM (Incorporates Maintenance Schedule as Part of Section 2)

NOISE: Noise Type Certificate No.43, 112 and 171.

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