

Issued on behalf of the UK CAA by the BMAA, UK CAA organisation approval ref. DAI/8909/84

TYPE:	Stampe SV4-RS	
(1)	MANUFACTURER:	Airmasters UK Ltd Airfield Farm Sulby Northampton NN6 6EZ Approval Ref: DAI/9972/21
(2)	UK IMPORTER:	MICRO LEASING UK LTD
(3)	CERTIFICATION:	BCAR Section S Issue 8
(4)	DEFINITION OF BASIC STANDARD:	Airmasters SV4 Build Standards Issue 1.0
(5)	COMPLIANCE WITH THE MICROLIGHT DEFINITION	
	(a) MTOW	600 kg
	(b) No. Seats	2
	(c) Maximum Wing Loading	33.2 kg/m ²
	(d) V _{so}	34 knots CAS
	(e) Permitted range of pilot weights	0-110 kg (each) (min cockpit load 55kg ¹)
	(f) Typical Empty Weight (ZFW)	350 ² kg
	(g) ZFW + 200 kg crew + 1 hr fuel	563 kg
	(h) Max ZFW at initial permit issue	382 kg

¹ Depending on the exact empty weight and centre of gravity position, the aircraft may require the carriage of ballast in the rear baggage bay for rear seat pilot weights below 70kg, down to the minimum weight of 55kg.

² Excluding any required ballast.

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(6) POWER PLANTS

Designation	Stampe SV4-RS
Model	N/A
Engine Type	Rotax 912 ULS-01*
Engine Type	4 cylinder 4 stroke horizontally opposed
Reduction Gear	2.43:1
Exhaust System	ULTRALIGHT CONCEPT SRL
Intake System	Rotax
Propeller Type	Aerobat SV4-RS 912ULS
Propeller Dia x Pitch	1.98m x 1.3m @75% rad.
Maximum static rpm	5250 rpm
Noise Type Cert No.	N/A
AAN approving configuration	AAN BMAA-1146

*Non-01 engines also accepted.

(7) MANDATORY LIMITATIONS:

- (a) Max Take-Off Weight 600 kg
- (b) CG Limits
 Aft limit 490 mm aft of datum
 Fwd Limit 370 mm aft of datum
- (c) CG datum Lower wing leading edge at wing root
- (d) Cockpit Loadings
 Total
 Min (occupant 55 kg³
 only)Max (occupants 110 kg each (individual seat loading)
 only) 210 kg
 Max Cockpit Load
- (e) Never Exceed Speed, V_{NE} 92 knots IAS
- (f) Manoeuvring Speed, V_A 69 knots IAS
- (g) Flap Limiting Speed V_{FE} N/A
- (h) Permitted Manoeuvres
 Maximum bank angle 60°
 Non Aerobatic
 Normal acceleration limits, +4g / -2g
- (i) Fuel Contents (Max Usable) 83 litres 80 litres (Max Usable)

³ Depending on the exact empty weight and centre of gravity position, the aircraft may require the carriage of ballast in the rear baggage bay for rear seat pilot weights below 70kg, down to the minimum weight of 55kg

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(I) Power Plant See Table

Engine	Rotax 912 ULS - 01
Max RPM	5800 (5 min)
Max Continuous RPM	5500 (continuous)
MAX Coolant	120°C
MAX EGT	880°C
Fuel Spec	95 RON minimum unleaded to EN 228 Super or Super Plus, AVGAS 100LL, UL91, UL94. (Unleaded preferred – see engine manual)
Engine Oil Spec	RON 424, SAE 10 W-40 (See engine manual)
Oil Pressure	Normal 2-5 bar above 3500rpm Min 0.8 bar below 3500rpm Max 7 bar
Oil Temperature	50°C - 130°C
Fuel Pressure	0.15 - 0.5bar with fuel pump S/N 11.0036 or later

(8) INSTRUMENTS REQUIRED:

ASI	Altimeter	RPM	Coolant Temp	Oil temp	Oil Pressure	Slip Ball	Fuel Quantity
0 to 100 knots (min)	Required	0-6000 rpm min	Required	Required	Required	Required	Required

Audible AoA Stall Warner must be fitted.

A compass and fuel pressure gauge are recommended.

A Manifold Pressure gauge is required if a variable pitch propeller is fitted.

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(9) CONTROL DEFLECTIONS

Ailerons UP ⁴	92 mm $\pm$ 8 mm	Elevator Up ⁵	196 mm $\pm$ 15 mm
Ailerons Down ¹	88 mm $\pm$ 8 mm	Elevator Down ²	255 mm $\pm$ 15 mm
Rudder Left ⁶	230 mm $\pm$ 20 mm	Elevator Trim Up	42 mm $\pm$ 3 mm
Rudder Right	230 mm $\pm$ 20 mm	Elevator Trim Down	42 mm $\pm$ 3 mm

(10) PILOT'S NOTES, MAINTENANCE MANUALS REFERENCES:

10.1 Manuals approved for use with this aircraft.

- (a) Pilot's Operating Handbook: Stampe SV4-RS Pilot Operating Handbook POH/SV4/001 Issue 1.0 or later issue.
- (b) Maintenance Manual Stampe SV4-RS Maintenance Manual MM/SV4/001 Issue 1.0 or later issue.

Engine, propeller, parachute system (if fitted) and other fitted equipment manufacturer's Operating and Maintenance Manuals as appropriate to fitted powerplant and equipment, at their current issues.

10.2 The following placards are to be fitted:

- (a) Flight Limitations Placard (to be visible to pilot)
Contains airspeed, manoeuvring and loading limitations. See Maintenance Manual.
- (b) Engine Limitations Placard (to be located near to engine instruments)
The limitations of all indicated engine parameters are to be shown as coloured markers or arcs (red for danger, amber for caution) on the instrument displays. See Maintenance Manual.
- (c) Occupant Warning Placards (to be visible to both occupants)
See Maintenance Manual.
- (d) Fuel Filler Placard (to be located adjacent to the fuel filler cap)
A placard is to be fitted showing fuel capacity and fuel types. See Maintenance Manual.
- (e) Fuel Load Vs Cockpit Load (to be visible to both occupants)
The allowable fuel loads at MTOW for cockpit weights from the maximum cockpit load down to the maximum fuel load, at appropriate cockpit load intervals. See Maintenance Manual.

⁴ Trailing edge of the inboard end of the aileron against the wing trailing edge.

⁵ Trailing edge at the inboard rib (465mm from hinge axis)

⁶ Leading edge of the balance horn against the leading edge of the fin.

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- (f) Parachute Warning Placards (to be located on the exterior of the aircraft)
An Airframe Mounted Total Recovery Parachute System (AMTRPS) is fitted as required equipment, therefore placards complying with BCAR Section S Issue 8 must be fitted. See Maintenance Manual.
- (g) Secondary Control Markings
Choke, cabin heat, trim, flaps, fuel shut-off: see Maintenance Manual. Other secondary controls are to be placarded as per the associated Maintenance Manual or normal aviation practice (if not detailed in associated Maintenance Manual).
- (h) ASI Markings
See Maintenance Manual.
- (i) Switches
All switches are to be marked with function and sense (up=on, down=off).
- (j) Fuses and Circuit Breakers
All fuses and circuit breakers are to be marked with function and rating.
- (k) Fireproof Metal Plate
Showing the aircraft nationality and registration marks (e.g. G-ABCD) to be mounted in a prominent position on the engine side firewall.
- (l) LiFePO4 Battery
If fitted, placards warning of fitment of LiFePO4 battery and use of only charger suitable for LiFePO4 battery to be fitted next to battery terminals.

NOTE: LiFePO4 Batteries are not permitted to be fitted in the usual position due to the proximity of the exhaust.

(11) MANDATORY MODIFICATIONS / SERVICE BULLETINS / AIRWORTHINESS DIRECTIVES ETC:

See Annex A for required modifications.

BRITISH MICROLIGHT AIRCRAFT ASSOCIATION (BMAA)

MICROLIGHT TYPE APPROVAL DATA SHEET (TADS)

NO: BM-104 ISSUE: 1



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(12) MINIMUM PERFORMANCE AT MAX TAKE-OFF WEIGHT

Rate of Climb: 700 fpm at 49 knots **IAS**

Stall or Minimum Flying Speed: 35 knots **IAS** at MTOW / idle

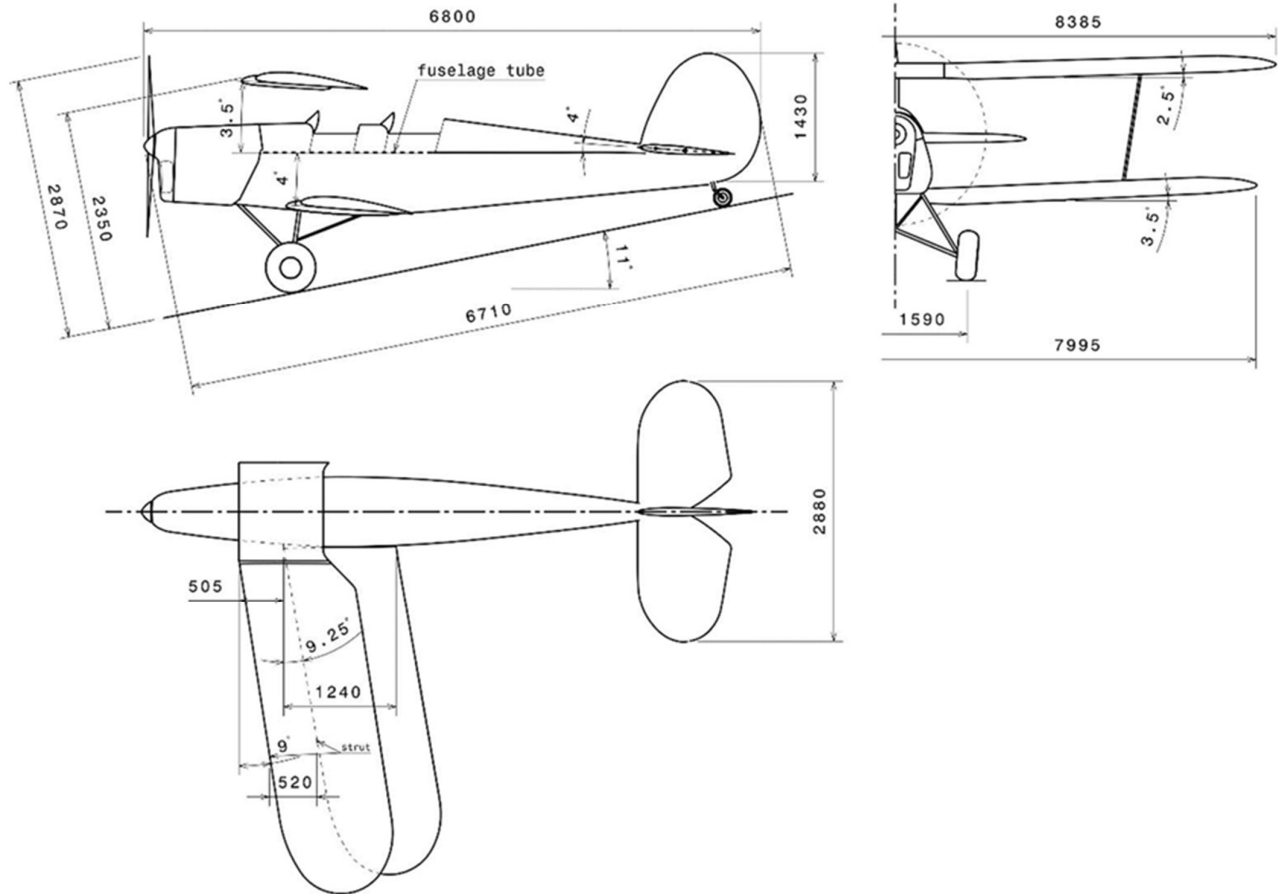
Issue History

<u>Issue</u>	<u>Date</u>	<u>Reason and Signatory</u>
1	13 August 2026	Initial issue.
		Approved for issue by R S Mott BMAA CTO.

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Illustration of Aircraft - 3 View



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Illustration of Aircraft – Photograph



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ANNEX A – MANDATORY MODIFICATIONS/SERVICE BULLETINS/AIRWORTHINESS DIRECTIVES ETC.

Mandatory Options

- Leading edge stall strips lower wings
- AoA Stall warner with audio alarm
- Nose plate ballast (if pilot less than 70 kg)
- Placards - pitot static drain, solo from rear seat only, fuel cut off, Maximum crosswind (11 knots)
- The mandatory use of helmets

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ANNEX B - APPROVED OPTIONAL MODIFICATIONS

The installation of all optional modifications is to be inspected by an inspector from an Organisation approved by the CAA for the purpose and an entry made in the appropriate logbook(s). Note that other approved modifications may exist which are not listed here.

Modification No. Description:

1	Pilot and passenger cockpit heating (Not Yet Approved).
2	Beringer co-pilot brake handle
3	Co-pilot's instruments
4	Generic wingtip strobes
5	Emergency Locator Beacon (ACK Technologies Inc.E-04)
6	Generic transceiver (CAA/EASA Approved Type)
7	Generic transponder (CAA/EASA Approved Type)
8	Generic EFIS avionics
9	Air traffic - Air Avionics AT-1
10	Quad-lock with induction charging

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ANNEX C - WEIGHING INFORMATION

- | | |
|------------------------------|--|
| 1. CG Datum: | Lower Wing Leading Edge at root |
| 2. Weighing attitude: | Upper fuselage longeron horizontal |
| 3. Main wheel moment arm: | 50 mm aft of datum, typical* |
| 4. Tail wheel moment arm: | 4810 mm aft of datum, typical* |
| 5. Fuel moment arm: | -2 mm fwd of datum |
| 6. Crew moment arm: | Front seat (passenger) 503 mm aft of datum
Rear seat (pilot) 1346 mm aft of datum |
| 7. Front Baggage moment arm: | 0 mm aft of datum (max 20 kg) |
| Rear Baggage moment arm: | 1992 mm aft of datum (max 10 kg) |
| 8. Crew weights: | Minimum 55 kg ⁷ / maximum 110 kg per seat |
| 9. Aft CG Limit: | 490 mm aft of datum |
| 10. Fwd CG Limit: | 370 mm aft of datum |

*See factory measurement for actual aircraft figure when new.

ANNEX D – POINTS FOR SPECIAL ATTENTION

Tyre Pressures

Main wheels 0.5 bar (7 psi)

Tail wheel 2.1 bar (30 psi)

Max crosswind limit

11 knots

Baggage

Must be securely stowed

LiFePO₄ batteries

Are not permitted to be fitted in the usual position due to the proximity of the exhaust.

Helmets

Must be worn at all times (pilot and passenger)

⁷ Depending on the exact empty weight and centre of gravity position, the aircraft may require the carriage of ballast in the rear baggage bay for rear seat pilot weights below 70kg, down to the minimum weight of 55kg.