BRITISH MICROLIGHT AIRCRAFT ASSOCIATION (BMAA)

MICROLIGHT TYPE APPROVAL DATA SHEET (TADS)

NO: BM-105 ISSUE: 1

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

TYPE: **Savannah SR**

(1)	MANUFACTURER:	I.C.P. Srl - DAI/9985/24 Strada Provinciale 16, Castelnuovo Don Bosco, Asti, 14022, Italy
(2)	UK IMPORTER:	FunFly Aerosports Ltd
(3)	CERTIFICATION:	BCAR Section S Issue 8
(4)	DEFINITION OF BASIC STANDARD:	Savannah SR Specification Code S0313 (Master Drawing List)

(5) COMPLIANCE WITH THE MICROLIGHT DEFINITION

(a)	MTOW	600 kg
(b)	No. Seats	2
(c)	Maximum Wing Loading	50.5 kg/m²
(d)	Vso	34 knots **CAS**
(e)	Permitted range of pilot weights	0-110 kg (each) (min cockpit load 55kg)
(f)	Typical Empty Weight (ZFW)	325 kg
(g)	ZFW + 200 kg crew + 1 hr fuel	548 kg
(h)	ZFW + 100 kg pilot + full fuel (80 litres / 72 kg)	457.6 kg
(i)	Max ZFW at initial permit issue	382 kg

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(6) POWER PLANTS

Designation	**Savannah SR**	**Savannah SR**
Engine Type	Rotax 912ULS	Rotax 912ULS
Reduction Gear	2.43:1	2.43:1
Exhaust System	ICP Exhaust	ICP Exhaust
Intake System	ICP Airbox	ICP Airbox
Propeller Type	E-Props DUR-3-175-C4-T Ground-adjustable 3-blade	DUC Flash-3-L Ground-adjustable 3-blade
Propeller Dia x Pitch	1750mm	1750mm
Maximum static rpm	5300-5400 rpm	5300-5400 rpm
Noise Type Cert No.	N/A	N/A
AAN approving configuration	AAN BMAA-1147	AAN BMAA-1147

(7) MANDATORY LIMITATIONS:

(a) Max Take-Off Weight — 600 kg

(b) CG Limits — Aft limit: 0.508 m aft of datum
FWD Limit: 0.343 m aft of datum @ 600 kg
0.257 m aft of datum @ 406 kg
(Linear interpolation between 406 – 600 kg)

(c) CG datum — Wing leading edge root

(d) Cockpit Loadings — Total
Min (occupant only): 55 kg
Max (occupants only): 110 kg each
Max Cockpit Load: 220kg

(e) Never Exceed Speed, V_{NE} — 128 kt IAS

(f) Manoeuvring Speed, V_A — 80 kt IAS

(g) Flap Limiting Speed V_{FE} — 55 kt IAS (Stage 2)

(g) Permitted Manoeuvres — Maximum bank angle 60º
Non Aerobatic
Normal acceleration limits, +4g / -2g
Normal acceleration limits with flaps +2g/-0g

(h) Fuel Contents (Max Usable) — 80 litres (78 litres Max. Usable, incl. 6-litre header tank)
162 litres (160 litres Max. Usable, incl. 18-litre header tank)

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(I) Power Plant See Table

Engine	Rotax 912 ULS
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 Normal, Super or Super Plus, AVGAS 100LL, UL91. (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	Stall Warner
0 to 135 knots (min)	Required	0-6000 rpm min	50 - 120ºC	50 - 150ºC	0 – 7 bar	Required	Required	Required

An electronic carbon monoxide detector must be fitted or carried in accordance with the CAA requirements for Carbon Monoxide Detectors (SD2024/001v3 or later).
ICP AoA Stall Warner.
If a LiFePO4 battery is fitted, a voltmeter must be fitted or displayed on EFIS.
A voltmeter, compass and fuel pressure gauge are recommended.

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(9) CONTROL DEFLECTIONS

Ailerons UP	15° ± 2°	Rudder Left	30° ± 2°
Ailerons Down	15° ± 2°	Rudder Right	30° ± 2°
Flap ½ (Take-off)	13.5° ± 2°	Anti-bal tab Range	50°
Flap Full (Landing)	27° ± 2°		
Elevator Up	25° ± 2°		
Elevator Down	25° ± 2°		

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

10.1 Manuals approved for use with this aircraft.

(a) Pilot's Operating Handbook: POH-SVSR-UK Rev.00 (or later approved issue)

(b) Maintenance Manual MM-SVSR-EN Rev. 02 (or later approved issue)

Engine, propeller, parachute system, autopilot (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 Operator's Manual.

(b) Engine Limitations Placard (to be located near to engine instruments)
A placard showing the limitations for all indicated engine parameters is to be mounted close to the engine instruments. Also, main limitations are to be shown as coloured markers (red for danger, amber for caution) on the instrument displays. See Operator's Manual.

(c) Occupant Warning Placard (to be visible to both occupants)
See Operator's 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 Operator's Manual.

(e) Fuel Load Vs Cockpit Load (to be visible to both occupants)
If MTOW can be exceeded with full fuel and 200kg cockpit weight, the fuel loads at MTOW for cockpit weights of 200kg, 190kg, 180kg etc. at 10kg intervals down to the maximum fuel load. See Operator's Manual.

(f) Parachute Warning Placards (to be located on the exterior of the aircraft)
If an Airframe Mounted Total Recovery Parachute System (AMTRPS) is fitted, placards complying with BCAR Section S Issue 8 must be fitted. See Operator's Manual.

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(g) Secondary Control Markings
Choke, cabin heat, trim, flaps, fuel shut-off: see Operator's Manual. Other secondary controls are to be placarded as per the associated Operator's Manual or normal aviation practice (if not detailed in associated Operator's Manual).

(h) ASI Markings
See Operator's 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.

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

See Annex A for required modifications.

(12) MINIMUM PERFORMANCE AT MAX TAKE-OFF WEIGHT

Rate of Climb: 814 fpm at 58 kt **IAS**. Rotax 912ULS

Stall or Minimum Flying Speed: 28 kt **IAS** at MTOW / idle / full flap.

Issue History

Issue	Date	Reason and Signatory
1	29 APRIL 2026	Initial issue. Approved for issue by R. S. Mott BMAA Chief Technical Officer

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Illustration of Aircraft - 3 View

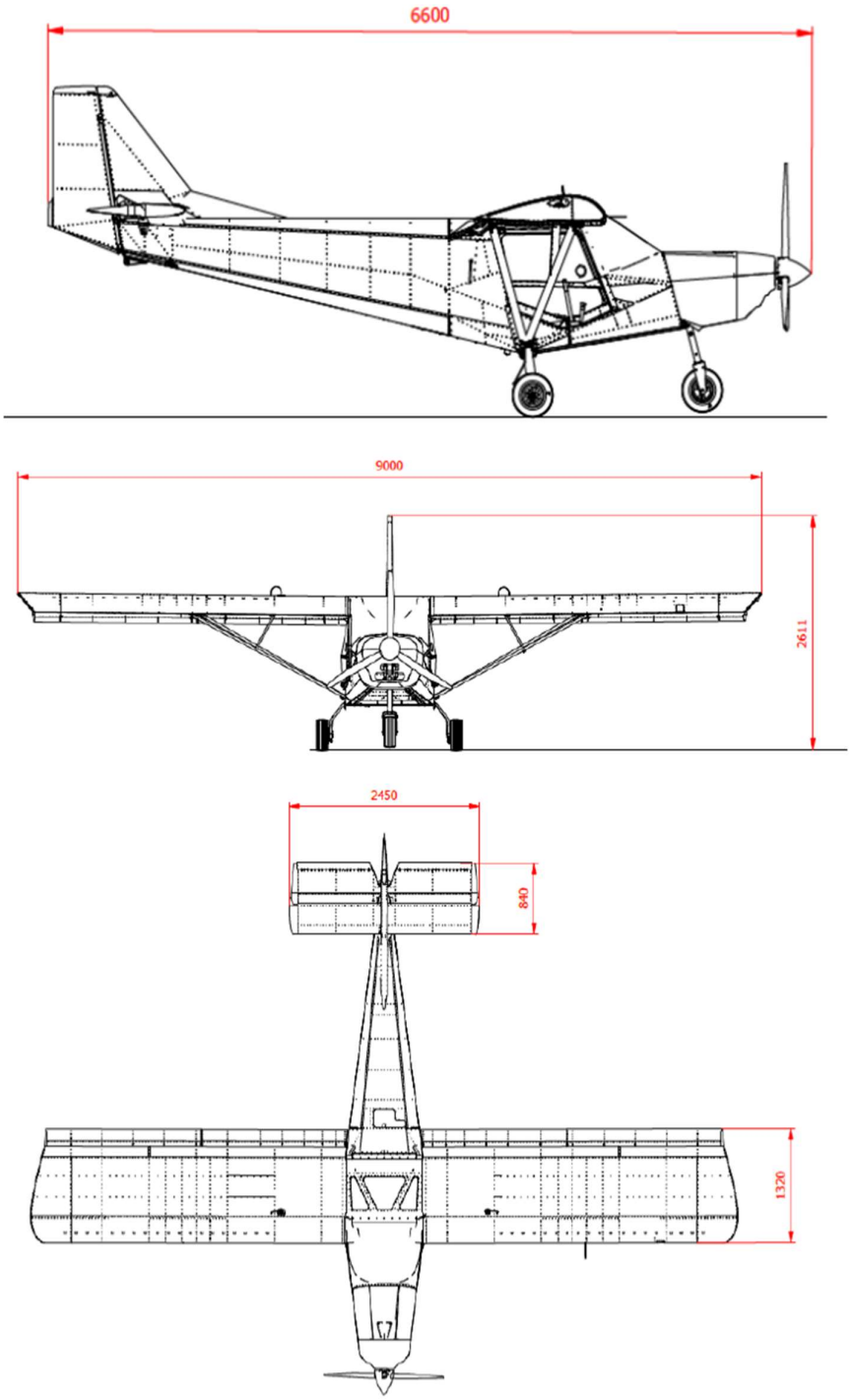

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Illustration of Aircraft – Photograph

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

Mandatory Options

ICP AoA Stall Warner
Elevator anti-balance tab (modified)
Elevator cable protection
Baggage constraint
Pitot and static systems drain

For Latest Bulletins

https://my.icp.it/auth/login

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	Electric flaps
2	Dual control sticks
3	Parking brake
4	Wingtip strobes
5	Data logger
6	Mocal oil and water thermostat
7	Dual brakes
8	Cabin upholstery
9	Emergency Locator Beacon (ACK Technologies Inc.E-04)
10	Generic radio
11	Generic transponder
12	Generic EFIS avionics
13	Cabin heater + Electronic Carbon Monoxide Detector
14	Extended wing tanks (additional 2 x 36-litre tanks per wing, giving a total of 160 litres), including optional 18-litre header tank
15	Adjustable seats
16	2-Axis Garmin, Dynon or Flybox autopilot
17	Extended baggage bay or Ballistic Recovery System (BRS) – only one option is permissible
18	a) 4”x 6” tyres b) 8” tundra tyres

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ANNEX C - WEIGHING INFORMATION

1.	CG Datum:	Wing leading edge root
2.	Weighing attitude:	Fuselage upper skin, immediately aft of wing
3.	Main wheel moment arm:	0.65 m aft of datum (typical)*
4.	Nose wheel moment arm:	(-)0.831 m forward of datum (typical) *
5.	Fuel moment arm (72 or 144 litres total):	0.605 m aft of datum
6.	Collector Tank moment arm (6 or 18 litres):	0.988 m aft of datum
7.	Crew moment arm:	0.514 m aft of datum (standard fixed seat)
		0.500 - 0.514 m AoD (optional adjustable seat)
8.	Baggage moment arm	1.271 m aft of datum (standard 20 kg)
		1.448 m aft of datum (extended 20 kg)
9.	Crew weights:	Minimum 55 kg / maximum 110 kg per seat
10.	Max baggage weight:	20 kg
11.	Fwd CG Limit:	0.343 m aft of datum at 600kg
		0.257 m aft of datum at 406kg (Linear interpolation 406 – 600kg)
12.	Aft CG Limit:	0.508 m aft of datum

** To be established on individual aircraft.*

ANNEX D – POINTS FOR SPECIAL ATTENTION

Baggage Allowance
20kg using the approved restraint.

Maximum crosswind component
For take-off and landing, 20 knots

Recommended operating ceiling
4200 m, 14000 ft pressure altitude