



TYPE-CERTIFICATE DATA SHEET

NO. EASA.A.644

for
WT9 Dynamic LSA

Type Certificate Holder
Aerospool, spol. s r. o.
Letisková 10, 971 03 Prievidza
Slovak Republic

For models: Club



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SECTION A: MODEL A DESIGNATION

A.I. General

1. Type/ Model/ Variant

1.1 Type:

WT9 Dynamic LSA

1.2 Model:

Club

2. Airworthiness Category:

Normal (see Note 2)

3. Manufacturer:

Aerospool, spol. s r. o.
Letisková 10, 971 03 Prievidza
Slovak Republic

4. EASA Type Certification Application Date:

21.12.2010

5. EASA Type Certification Date:

31.08.2017

A.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements: 31.12.2014

2. Airworthiness Requirements:

Certification Specifications and
Acceptable Means of Compliance
for Light Sport Aeroplanes CS-LSA,
Amendment 1 from 29 July 2013.
For detailed information see CRI-
A01

3. Special Conditions: none

4. Exemptions: none

5. (Reserved) Deviations: none

6. Equivalent Safety Findings: ELOS-BLSA.0221-01 - Spinning (CRI B-54),

7. Environmental Protection: CS-36, Amendment 3 (CRI N-01)



A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Type Design Definition, AS-RTC-15-001.A1 revision 12 or later approved issue
2. Description: Single engine, two-seat, low wing composite construction aircraft with conventional empennage configuration and fixed tricycle landing gear.
3. Equipment: Minimum equipment, see Pilot's Operating Handbook, AS-POH-01-000, Initial issue 15.05.2017 or later approved issue, Section 2.13.3
4. Dimensions
- | | |
|-----------|---------------------|
| Length | 6,46 m |
| Span | 8,926 m |
| Height | 1,85 m |
| Wing Area | 10,5 m ² |
5. Engine
- 5.1. Model: Rotax 912 ULS2
- 5.2 Type Certificate: Certified as part of the aircraft
- 5.3 Limitations: Maximum Power Rating: 73.5 kW / 5800 RPM max. 5 min
Maximum Continuous Power: 69 kW / 5500 RPM
6. Load factors: +4G/-2G
7. Propeller
- Option 1:
- | | |
|---------------------|-------------------------------------|
| Model: | EVRA Performance Line 175/xxx/805.5 |
| Type Certificate: | Certified as part of the aircraft |
| Number of blades: | 3 |
| Diameter: | 1750 ±3 mm |
| Rotation direction: | Clockwise (in flight direction) |
- Option 2 (configuration FG912T, see Note 1):
- | | |
|---------------------|---------------------------------|
| Model: | Aleš Křemen / KW-31 |
| Type Certificate: | EASA.P.177 |
| Number of blades: | 3 |
| Diameter: | 1726 ±4 mm |
| Rotation direction: | Clockwise (in flight direction) |
8. Fluids
- 8.1 Fuel
Refer to Pilot Operating Handbook AS-POH-01-000, Initial issue 15.05.2017 or later approved issue, Section 2
- 8.2 Oil



Refer to Pilot Operating Handbook AS-POH-01-000, Initial issue 15.05.2017 or later approved issue, Section 2

8.3 Coolant

Refer to Pilot Operating Handbook AS-POH-01-000, Initial issue 15.05.2017 or later approved issue, Section 2

9. Fluid capacities

9.1 Fuel

Total: 126 liters

Usable: 119 liters

9.2 Oil

Maximum oil capacity: 3.5 liters

Minimum oil required: marked on dipstick

9.3 Coolant system

2.5 liters (approximately)

10. Air Speeds (CAS)

V_{NE} : 142 kts (263 km/h)

V_C : 113 kts (210 km/h)

V_C : 119 kts (220 km/h) (configuration FG912T, see Note 1)

V_A : 96 kts (177 km/h)

V_F : 83 kts (153 km/h)

11. Flight Envelope

Maximum operating altitude: 15,000 ft MSL

(17,800 ft MSL for configuration FG912T, see Note 1)

12. Approved Operations Capability

VFR day operations only

13. Maximum Masses

Maximum takeoff: 600 kg

Maximum landing: 600 kg

Maximum empty: 410,8 kg

Maximum fuel: 90,7 kg

14. Centre of Gravity Range

Forward CG limit: 18,3% MAC / 2704 mm aft of datum

Aft CG limit: 28.5% MAC / 2824 mm aft of datum

15. Reference datum

1975 mm forward of firewall (surface from cockpit)

16. Control surface deflections

Refer to AMM



17. Levelling Means	AS-POH-01-000, Initial issue 15.05.2017 or later approved issue, Section 6 AS-AMM-01-000, Initial issue 22. 05. 2017 or later approved issue, ATA Chapter 08
18. Minimum Flight Crew	One (1) pilot
19. Maximum Passenger Seating Capacity	One (1) passenger
20. Baggage/ Cargo Compartments	Forward compartment: divided in 2 sections Maximum load: 20 kg (10 kg in each section) Rear compartment: behind backrest, divided in 2 sections Maximum load: 40 kg (20 kg in each section)
21. Wheels and Tyres	Main wheel Tyre Size 15x6.00-6 Nose wheel Tyre Size 13x5.00-6
22. Lifetime limitations	Refer to AMM, AS-AMM-01-000, Initial issue 22.05.2017 or later approved issue, Section 05

A.IV. Operating and Service Instructions

1. Flight Manual	AS-POH-01-000, Initial issue 15.05.2017 or later approved issue
2. Maintenance Manual	AS-AMM-01-000, Initial issue 22.05.2017 or later approved issue
3. Structural Repair Manual	Refer to AMM
4. Weight and Balance Manual	Refer to POH
5. Wiring Manual	AS-AWM-01-000, Initial issue 07.08.2017 or later approved issue
6. Illustrated Parts Catalogue	AS-IPC-01-000, Initial issue 07.08.2017 or later approved issue



A.V. Notes

- 1) Configuration FG912T is equipped with Aleš Křemen KW-31 propeller and the tow equipment, consisting of tow release, rear camera and rear mirror. EASA Noise Record C14067 is applicable.
- 2) Serial numbers produced before 30 October 2020 are eligible for Restricted Certificate of Airworthiness in accordance with TCDS EASA.A.644 issue 03 and previous. Serial number produced after 30 October 2020 are eligible for normal Certificate of Airworthiness in accordance with this TCDS EASA.A.644 issue 04.

SECTION ADMINISTRATIVE

I. Acronyms & Abbreviations

AMM	Aircraft maintenance manual
CS-LSA	Certification specification for light sport aeroplanes
EASA	European aviation safety agency
IPC	Illustrated parts catalogue
KIAS	Indicated airspeed in knots
KTAS	True airspeed in knots
MAC	Mean aerodynamic chord
MSL	Mean sea level
MDL	Master document list
POH	Pilot's operating handbook
RPM	Revolutions per minute
VFR	Visual flight rules

II. Type Certificate Holder Record

Aerospool, spol. s r. o.
Letisková 10, 971 03 Prievidza
Slovak Republic

III. Change Record

Issue	Date	Changes	TC Issue No. & Date
Issue 01	31/08/2017	Initial Issue	31/08/2017
Issue 02	26/07/2019	New propeller KW-31 added. Change of maximum operating altitude for towing configuration FG912T. Note 1 added. Administrative changes.	31/08/2017
Issue 03	30/04/2020	Administrative correction of a designator of Designed Flap Speed V_F	31/08/2017
Issue 04	30/10/2020	Change of airworthiness category from Restricted to Normal in Section A.I.2. Addition of Note A.V.2	30/10/2020

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