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 m²

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) \( V_{NL} \): 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
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

AS-AMM-01-000, Initial issue 22.05.2017 or later approved  
issue

Refer to AMM

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

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<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>AMM</td>
<td>Aircraft maintenance manual</td>
</tr>
<tr>
<td>CS-LSA</td>
<td>Certification specification for light sport aeroplanes</td>
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<tr>
<td>EASA</td>
<td>European aviation safety agency</td>
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<tr>
<td>IPC</td>
<td>Illustrated parts catalogue</td>
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<tr>
<td>KIAS</td>
<td>Indicated airspeed in knots</td>
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<tr>
<td>KTAS</td>
<td>True airspeed in knots</td>
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<tr>
<td>MAC</td>
<td>Mean aerodynamic chord</td>
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<td>MSL</td>
<td>Mean sea level</td>
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<td>MDL</td>
<td>Master document list</td>
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<tr>
<td>POH</td>
<td>Pilot’s operating handbook</td>
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<tr>
<td>RPM</td>
<td>Revolutions per minute</td>
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<td>VFR</td>
<td>Visual flight rules</td>
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II. Type Certificate Holder Record

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

III. Change Record

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<tr>
<th>Issue</th>
<th>Date</th>
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<td>Issue 01</td>
<td>31/08/2017</td>
<td>Initial Issue</td>
<td>31/08/2017</td>
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<tr>
<td>Issue 02</td>
<td>26/07/2019</td>
<td>New propeller KW-31 added. Change of maximum operating altitude for towing configuration FG912T. Note 1 added. Administrative changes.</td>
<td>31/08/2017</td>
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<tr>
<td>Issue 03</td>
<td>30/04/2020</td>
<td>Administrative correction of a designator of Designed Flap Speed Vf</td>
<td>31/08/2017</td>
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<tr>
<td>Issue 04</td>
<td>30/10/2020</td>
<td>Change of airworthiness category from Restricted to Normal in Section A.I.2. Addition of Note A.V.2</td>
<td>30/10/2020</td>
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