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: Restricted

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)
    $V_{NE}: 142$ 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)
    $V_{FE}: 83$ 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.

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

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<th>Issue</th>
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<th>TC Issue No. &amp; Date</th>
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<tr>
<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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