



Prezes Urzędu Lotnictwa Cywilnego
President of the Civil Aviation Authority

ŚWIADECTWO UZNANIA ZATWIERDZENIA TYPU
Type Approval Recognition Certificate

NUMER: UL-A.00 – 017/2023
Reference:

Niniejsze świadectwo uznania zatwierdzenia typu zaświadcza, że określony typ/model ultralekkiego statku powietrznego został uznany za akceptowalny w Rzeczypospolitej Polskiej zgodnie z obowiązującymi przepisami polskiego lotnictwa cywilnego i pozostaje w mocy przez czas nieokreślony, chyba że zatwierdzenie zostanie zrzucone, zawieszono lub cofnięte oraz że został wpisany na listę typów zatwierdzonych prowadzoną przez Prezesa Urzędu Lotnictwa Cywilnego, o której mowa w przepisach wydanych na podstawie art. 33 ust. 2 i 4 ustawy – Prawo lotnicze (Dz. U. z 2022 r. poz. 1235, 1715, 1846, 2185, 2642, z 2023 r. poz. 1720, 1489 i 1688).

This Type Approval Recognition Certificate certifies that the ultralight aircraft type/model specified has been found acceptable in Republic of Poland in accordance with the applicable Polish Civil Aviation regulations and shall remain as such for an unlimited duration unless the approval is surrendered, suspended or revoked and has been entered on the list of approved flying device types managed by the President of the Civil Aviation Authority, referred to in the regulations issued on the basis of Art. 33 para 2 and 4 of the Aviation Law Act dated July 3rd, 2002 (JL. 2022, item 1235, 1715, 1846, 2185, 2642, JL. 2023, item 1720, 1489 i 1688).

Państwo projektu
State of Design

Federal Republic of Germany

Państwo produkcji
State of Manufacture

Slovak Republic

Posiadacz zatwierdzenia typu
Type Approval Holder

ISS-Aviation GmbH & Co.KG

Bachwiesenweg 9, 73529 Schwäbisch Gmünd, Germany

Wytwórca
Manufacturer

Aerospool s.r.o.

Letisková 10, 97101 Prievidza, Slovakia

Oznaczenie typu produktu
Product Type Designation

WT 9 600 NG RG

Numer zatwierdzenia typu
Type Approval Number

994-22 1

Arkusze danych do zatwierdzenia typu
Type Certificate Data Sheet

994-22 1

Przyjęte wymagania techniczne
Type Certification Basis

LTF-UL from 15 January 2019 (NfL 2-446-19)

Uwagi
Remarks

Approved by Deutscher Ultraleichtflugverband e. V. on:

10.11.2022 for MTOM 600 kg – first edition

23.11.2022 for MTOM 600 kg – last update

EZD ref. LTT-3.5460.22.2023

Z upoważnienia Prezesa Urzędu Lotnictwa Cywilnego
On behalf of President of the Civil Aviation Authority

Marcin Perkowski

Zastępca Dyrektora Departamentu Techniki Lotniczej
Deputy Director, Aviation Technical Department

(pismo zostało wydane w postaci elektronicznej

i opatrzone kwalifikowanym podpisem elektronicznym)

(the letter was published in electronic form and signed with a qualified electronic signature)

Data pierwszego wydania: **11.09.2023**

Date of original issue:

Data ostatniej zmiany: --

Date of last revision:

Bundesrepublik Deutschland
Der Beauftragte



Musterzulassungsschein
für Luftsportgeräte
Type Certificate
Nr.: 994-22 1

Das nachstehend bezeichnete Luftfahrtgerät wurde als Muster zugelassen auf Antrag von:

- ISS-Aviation GmbH & Co.KG -
- Bachwiesenweg 9 - 73529 Schwäbisch Gmünd (D) -

Dieser Musterzulassungsschein wurde auf Grund der die Musterzulassung betreffenden Bestimmungen des Luftverkehrsgesetzes und der Luftverkehrs-Zulassungs-Ordnung in der am Tage der Ausstellung geltenden Fassung erteilt.

Die Musterzulassung gilt gemäß
zugehörigem Geräte-Kennblatt-Nr.: 994-22 1
Bezeichnung des Gerätemusters: WT 9 600 NG RG
Bezeichnung der Baureihe: 915 iS / KW-30
Geräteart: Dreiachs

Die Musterzulassung kann in den in § 4 Abs. 3 der Luftverkehrs-Zulassungs-Ordnung vorgesehenen Fällen widerrufen werden.

This type certificate has been issued on application of:

ISS-Aviation GmbH & Co.KG
Bachwiesenweg 9 - 73529 Schwäbisch Gmünd (D)

This type certificate has been issued in accordance with the German Certification Regulations as in force on the day of first issue.

The type certification is effective in accordance with

the appropriate data sheet No.: 994-22 1
description of mark: WT 9 600 NG RG
description of model: 915 iS / KW-30
device type: Dreiachs

The type certification may be revoked by the Deutscher Ultraleichtflugverband e. V. in cases provided in the German Certification Regulations.

Datum der Ausstellung / date of new issue
Großerlach, den 10.11.2022

Unterschrift / signature

LOGO DULF

Deutscher Ultraleichtflugverband e. V.
Representative of the Federal Ministry of Transport

**Equipment data sheet for
Aerodynamically controlled ultralight aeroplanes**

Title page

Data sheet No 994-22 1
Model.....WT 9 600 NG RG
Series 915 iS / KW-30
First edition..... 10. 11. 2022
Last update23. 11. 2022

I. General

Model. WT 9 600 NG RG
Series..... 915 iS / KW-30
Manufacturer..... Aerospool s.r.o.
Letisková 10
97101 Prievidza
Country: SLOVAKIA
Type-certificate holder..... ISS-Aviation GmbH & Co.KG
Bachwiesenweg 9
73529 Swabian Gmünd
Country: D

II. Approval basis

Legal basis. §1 LuftVZO in conjunction with §10 LuftGerPV

Airworthiness requirements.....Airworthiness claims for
aerodynamically controlled aircraft
Ultralight aircraft LTF-UL of 15 January 2019
(NfL 2-446-19)

Noise requirements.....Law 2004 of 1 August 2004 (NfL II-70/04),
as amended
by Bek. of 1 June 2017 (NfL 2-349-17)
and 7 June 2017 2019 (NfL 2-480-19)

III. Technical characteristics and operating limits

1. Construction characteristics

ConstructionCFK / GFK composite sandwich construction
Wing arrangement.....Low wing
Empennage arrangement..... tail
Empennage shape conventional
Landing gear. Nose gear, retractable
Engine arrangement.....nose (pull)
Seats..... 2

2. Dimensions

Wing span 8,90 m
Wing surface 10.5 m²
Length 6.72 m
Amount..... 2.0 m

3. Control surface deflections

(a) Ailerons

in neutral position flush with airfoil degree
deflection upwards. 25 Degree +/- 2 degrees
deflection downward..... 15 Degree +/- 2 degrees
Measuring point distance to control surface axis - mm

(b) Rudder

to the left 25 degrees +/- 2 degrees
to the right. 25 Degree +/- 2 degrees
Measuring point distance to control surface axis - mm

(c) Elevator

upwards..... 26.5 degrees +/- 2 degrees
downwards. 16 degrees +/- 2 degrees
Measuring point distance to control surface axis - mm

d) Flaps

Upwards till 0 Degree +/- 2 degrees
Downwards till 35 Degree +/- 2 degrees
Measuring point distance to control surface axis - mm

Note:

Flap position 0: 0°
Flap position 1: 15°
Flap position 2: 24°
Flap position 3: 35°

Tolerance: +/- 2°

4. Power unit

(a) Engine

Name..... Rotax 915 iS / iSC
Operating methods 4 bar
Maximum power. 104 kW
Mixture preparation Injection

Intake silencers / Rotax Airbox
Silencer / Rotax
After-suppressors..... ---

(b) Gearbox

Name..... Rotax
Type Gear - Reducing Gear
Reduction ratio 2,54 : 1

(c) Propeller

Name..... Creams KW-30
Number of blades 3
Material of the blades Wood/fibre composite material
Diameter..... 1.75 m
Adjustability in flight adjustable

5. Energy storage / fuel quantities

Fuel type Normal, Super, Super Plus, AVGAS
Capacity 74-126 litres
Non-usable fuel. 2 litres

6. Rescue system

Junkers Magnum 601 (Fact No R10/18-1)

7. Noise (at maximum take-off mass)

Noise level.....58.1 dBA
Propeller RPM..... 2246 RPM

8. Airspeeds (all data in IAS)

Never exceed speed V_{NE} 336
km/h
Maximum speed in level flight Engine continuous power V_H301 km/h
Design speed for maximum gusts V_B 275 km/h
Design manoeuvring speed V_A 180 km/h

Maximum flaps extended speed V_{FE} 140 km/h

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Layout version: 2 from 25. 11. 2020

minimum flight speed in landing configuration V_{SO}68 km/h

Best rate of climb speed V_y136 km/h

Rate of climb at V_y 9.8 m/s

9. Weights / centres of gravity / load factors

(a) Operation

min. Payload.....70 kg

max. Take-off mass.....600 kg

Center of gravity range

Forward limit.....2689 mm or 17 % MAC

Aft limit.2847 mm or 30,5 % MAC

Safe positive load factor 4 g

Safe negative load factor.....2 g

(b) Weighting

Empty mass.....max.385 kg

Empty masses - centre of gravity 2625 - 2642 mm or 11.5 - 13 % MAC

Datum..... 1975 mm in front of fire bulkhead

Aircraft position..... Flat cabin frame in longitudinal and
transverse direction

IV. Towing

Approved with towing releases type Tost E85 TOST 309000

Maximum towed load [kg]..... 850 850

Breaking point [daN].....400 400

Maximum take-off mass of the towing UL [kg] 600 600

V. Operating instructions

1. Operating manuals

In accordance with the manual of the model in the current version.

2. Instructions for maintenance and inspection

In accordance with the Manual of the Model in its current version and an annual Obligation to check.

VI. Instrumentation

Magnetic compass:

AIRPATH C 2400
SIRS NAVIGATOR

Altimeter:

Winter

Airspeed indicator:

Winter EBF

Or

EFIS Dynon Skyview (replaces analog instrumentation)

EFIS Garmin (replaces analog instrumentation)

VII. Equipment

According to the associated equipment list.

VIII. Additions

Towing of non-steered trailers:

- Max. Nominal breaking strength of the target breaking point: 400 daN
- max weight of the trailer: 20 kg
- Max. Size of the trailer: 200 m² single-seater; 120 m² twenty

IX. Restrictions

X. Comments

Translation from the German original „DULV-Kennenblatt-Nr. : 994-22 1”

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For compliance with the original

Jarosław Teresiński

Leszno, 12.07.2023