

**Prezes Urzędu Lotnictwa Cywilnego**  
*President of the Civil Aviation Authority*

**ŚWIADECTWO UZNANIA ZATWIERDZENIA TYPU**  
*Type Approval Recognition Certificate*

**NUMER:** UL.A.00 – 012/2023  
*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 zrzeczone, 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 i 2642).

*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 3<sup>rd</sup>, 2002 (JL. 2022, item 1235, 1715, 1846, 2185 and 2642).*

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 FG**

Numer zatwierdzenia typu  
*Type Approval Number*

**993-22 1**

Arkusze danych do zatwierdzenia typu  
*Type Certificate Data Sheet*

**993-22 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-3.5460.13.2023

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

**Andrzej Lanchole**

**wz. Zastępca Dyrektora Departamentu Techniki Lotniczej**

*p.p. 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: **05.06.2023**

*Date of original issue:*

Data ostatniej zmiany: --

*Date of last revision:*

Bundesrepublik Deutschland  
Der Beauftragte



Musterzulassungsschein  
für Luftsportgeräte  
Type Certificate  
Nr.: 993-22 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.: 993-22 1  
Bezeichnung des Gerätemusters: WT 9 600 NG FG  
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.: 993-22 1  
description of mark: WT 9 600 NG FG  
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  
Großlarch, den 10.11.2022

Unterschrift / signature

Yob...

LOGO DULV

**Deutscher Ultraleichtflugverband e. V.**

Representative of the Federal Ministry of Transport

**Equipment data sheet for  
aerodynamically controlled microlight aircraft**

**Title page**

<b>Data sheet No.</b> .....	993-22 1
<b>Model</b> .....	WT 9 600 NG FG
<b>Series</b> .....	915 iS / KW-30
<b>First edition</b> .....	10.11.2022
<b>Last update</b> .....	23.11.2022

## I. General

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

## II. Approval basis

Legal basis.....§1 LuftVZO in conjunction with  
§10 LuftGerPV  
  
Airworthiness requirements.....Airworthiness Requirements for  
Aerodynamically Controlled  
Ultralight Aircraft LTF-UL from 15.  
January 2019 (NfL 2-446-19)  
  
Noise requirements.....LVL 2004 from the 1. August 2004 (NfL II-  
70/04), sent notification from 1. June 2017  
(NfL 2-349-17) and  
7. June 2019 (NfL 2-480-19)

## III. Technical characteristics and operating limits

### 1. Construction characteristics

Construction .....CFK/GFK Composite sandwich  
construction  
Wing arrangement.....low wing  
Empennage arrangement.....tail  
Empennage shape .....conventional  
Landing gear .....Nose gear, fixed  
Engine arrangement.....nose (pusher)  
Seats .....2

### 2. Dimensions

Wing span .....8.90 m  
Wing surface .....10.5 m<sup>2</sup>  
Length .....6.72 m  
Height.....2,0 m

### 3) Control surfaces deflections

#### a) Ailerons

in neutral position..... flush with airfoil degree  
Deflection upwards.....25 degrees +/- 2 degrees  
Deflection downwards.....13 degrees +/- 2 degrees  
Measuring point distance to control surface axis.....- mm

#### b) Rudder

to the left.....25 degrees +/- 2 degrees  
to the right.....25 degrees +/- 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 degrees +/- 2 degrees  
downwards till.....35 degrees +/- 2 degrees  
Measuring point distance to flap axis.....- mm

#### Note:

Flaps positions 0: 0°  
Flaps positions 1: 15°  
Flaps positions 2: 24°  
Flaps positions 3: 35°

Tolerance: +/- 2°

### 4. Power unit

#### a) Engine

Name.....Rotax 915 iS / iSC  
Operating method.....4-stroke  
Maximum power.....104 kW  
Mixture preparation.....injection  
Intake silencer.....1 / Rotax Airbox  
Muffler.....1 / Rotax  
Additional muffler.....---

#### b) Gearbox

Name.....Rotax  
Type.....reduction gear  
Reduction ratio.....2,54 : 1

#### c) Propeller

Name.....Kremen KW-30  
Number of blades.....3  
Material of blades.....wood/fiber composite material  
Diameter.....1,75 m  
Adjustability.....in flight adjustable

## 5. Energy storage / fuel quantities

Energy source ..... Fuel: Normal, Super, Super Plus, AVGAS  
Capacity ..... 74-126 liters  
non-usable fuel ..... 2 liters

## 6. Rescue system

Junkers Magnum 601 (ID card. R10/18-1)

## 7) Noise (at maximum take-off mass)

Noise value ..... 58.1 dBA  
Propeller revs ..... 2246 RPM

## 8. Airspeeds (all data IAS)

Never exceed speed  $V_{NE}$  ..... 336 km/h

Maximum speed in level flight  
at maximum continuous power  $V_H$  ..... 270 km/h

Design speed for maximum gust intensity  $V_B$  ..... 275 km/h

Design maneuvering speed  $V_A$  ..... 180 km/h

Maximum flap extended speed  $V_{FE}$  ..... 140 km/h

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

Best rate of climb speed  $V_y$  ..... 136 km/h  
Rate of climb at  $V_y$  ..... 8.8 m/s

## 9. Weights / centers of gravity / load factors

### a) Operation

min. payload ..... 70 kg  
maximum 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) Weighing

Empty mass.....max. 385 kg  
Empty mass – C.G. position (mm) .....2625-2642 or 11,5 - 13 % MAC  
Datum.....1975 in front firewall  
Aircraft attitude .....Flat cabin frame in length and width direction

Note:

**IV Towing**

Approved with towing clutch type.....Tost E85	TOST 309000
Maximum towed load [kg] .....850	850
Braking point [daN] .....400	400
MTOM of the towing UL [kg] .....600	600

**V. Operating instructions**

1. operating manuals

According to the manual of the sample in the manual of the sample in the currently valid version

2. instructions for maintenance and inspection

According to the manual of the sample in the currently valid version as well as annual inspection obligations

**VI. Instrumentation**

Magnetic compass:  
AIRPATH C 2400  
SIRS NAVIGATOR

Altimeter:  
Winter

Airspeed indicator:  
Winter EBF

Others

EFIS Dynon Skyview ( replacing analog instruments )  
EFIS Garmin ( replacing analog instruments )

**VII. Equipment**

According to the associated equipment list

### **VIII. Additions**

#### **Towing non-steered trailers**

- max. breaking strength of the predetermined breaking point: 400 daN
- maximum trailer weight: 20 kg
- max size of the trailer: 200 m<sup>2</sup> single seater; 120 m<sup>2</sup> double seater

### **IX. Restrictions**

### **X. Remarks**

Translation from the German original „DULV-Kennblatt-Nr.: 993-22 1”

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For compliance with the original

Jarosław Teresiński

Leszno, 25.04.2023