

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

ŚWIADECTWO UZNANIA ZATWIERDZENIA TYPU  
*Type Approval Recognition Certificate*

NUMER: **UL.A.00 – 007/2023**  
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*

**Ukraine**

Państwo produkcji  
*State of Manufacture*

**Ukraine**

Posiadacz zatwierdzenia typu  
*Type Approval Holder*

**Aeroprakt Ltd.**

Polevaya Str. 24, 03056 Kiev, Ukraine

Wytwórca  
*Manufacturer*

**Aeroprakt Ltd.**

Polevaya Str. 24, 03056 Kiev, Ukraine

**Manufacturing co-operator (Aeroprakt Ltd. letter No 128, 03.10.2022):**

Aeroprakt Manufacturing Sp. z o.o., 32-406 Zakliczyn, ul. Zadziole 10, Polska

Oznaczenie typu produktu  
*Product Type Designation*

**A32**

Numer zatwierdzenia typu  
*Type Approval Number*

**978-21: 978-21 1, 978-21 2**

Arkusze danych do zatwierdzenia typu  
*Type Certificate Data Sheet*

**978-21: 978-21 1, 978-21 2**

Przyjęte wymagania techniczne  
*Type Certification Basis*

**LTF-UL of 15 January 2019 (NFL 2-446-19)**

Uwagi  
*Remarks*

Approved by Deutscher Ultraleichtflugverband e. V. on:

21.05.2021 - 978-21 1, first edition

21.05.2021 - 978-21 2, first edition

EZD ref. LTT-4.5460.11.2022

**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)

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Data ostatniej zmiany: --

*Date of last revision:*

Bundesrepublik Deutschland  
Der Beauftragte



Musterzulassungsschein  
für Luftsportgeräte  
Type Certificate  
Nr.: 978-21 2

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

- Aeroprakt Ltd. -  
- Plevaya str. 24 - 03056 Kiev (UKRAINE) -

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.: 978-21 2  
Bezeichnung des Gerätemusters: A32  
Bezeichnung der Baureihe: Rotax 912 ULS / Neuform CR3-V-70  
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:  
Aeroprakt Ltd.  
Plevaya str. 24 - 03056 Kiev (UKRAINE)

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.: 978-21 2  
description of mark: A32  
description of model: Rotax 912 ULS / Neuform CR3-V-70  
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 21.05.2021

Unterschrift / signature



# LOGO DULV

**Deutscher Ultraleichtflugverband e. V.**

Representative of the Federal Ministry of Transport

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

**Title page**

**Data sheet No.** .....978-21 2  
**Model**..... A32  
**Series**.....Rotax 912 ULS / Neuform CR3-V-70  
**First edition**.....21.05.2021 r.  
**Last update**...

## I. General

Model.....A32  
Series.....Rotax 912 ULS / Neuform CR3-V-70  
Manufacturer.....Aeroprakt Sp. z o.o.  
Polevaya str. 24  
03056 Kijów  
Kraj: UKRAINA  
Type certificate holder.....Aeroprakt Sp. z o.o.  
Polevaya str. 24  
03056 Kijów  
Kraj: UKRAINA

## II. Approval basis

Legal basis.....Due to the comprehensive sample test  
Airworthiness requirements.....Airworthiness Requirements for  
Aerodynamically Controlled  
Ultralight Aircraft LTF-UL of  
15 January 2019 (NfL 2-446-19)  
Noise requirements.....LVL 2019 r.

## III. Technical characteristics and operating limits

### 1. Construction characteristics

Construction.....Aluminum-metal  
Wing arrangement.....high wing, strutted  
Empennage arrangement.....tail  
Empennage shape.....conventional  
Landing gear.....tricycle  
Engine arrangement.....nose, pusher  
Seats.....2

### 2. Dimensions

Wing span.....9,45 m  
Wing surface.....12,83 m<sup>2</sup>  
Length.....6,27 m  
Height.....2,22 m

### 3) Control surfaces deflections

#### a) Ailerons

in neutral position.....profile chord  
Deflection upwards.....15,5 degrees +/- 1 degree  
Deflection downwards.....11,1 degrees +/- 1 degree  
Measuring point distance to control surface axis       mm

#### b) Rudder

to the left.....25 degrees +/- 1 degree  
to the right.....25 degrees +/- 1 degree  
Measuring point distance to control surface axis       mm

#### c) Elevator

upwards.....15 degrees +/- 1 degree  
downwards.....5 degrees +/- 1 degree  
Measuring point distance to control surface axis       mm

#### d) Flaps

upwards till.....0 degrees +/- degree  
downwards till.....10 degrees +/- 1 degree  
Measuring point distance to flap axis.....mm

Note:

Flap deflection limited to 10° (flap stage 1) for the time being

### 4. Power unit

#### a) Engine

Name.....Rotax 912 S, ULS, FR  
Operating method.....4-stroke  
Maximum power.....73,6 kW  
Mixture preparation.....2 constant-pressure carburettors  
Intake silencer.....Airbox Aeroprakt  
Muffler.....Rotax 912 UL  
Additional muffler.....---

#### b) Gearbox

Name.....Rotax  
Type.....gear  
Reduction ratio.....2,43 : 1

#### c) Propeller

Name.....Neuform CR3-V-70-ECS  
Number of blades.....3  
Material of blades.....GRP  
Diameter.....1,70 m  
Adjustability.....in flight adjustable

## 5. Energy storage / fuel quantities

Energy source..... Fuel: Normal, Super, Super Plus, AVGAS  
Capacity..... 2 x 45 litres  
non-usable fuel..... 2 litres

## 6. Rescue system

Junkers Magnum 601

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

Noise value..... 64,58 dBA  
Propeller revs..... 2200 RPM

## 8. Airspeeds (all data IAS)

Never exceed speed  $V_{NE}$ ..... 240 km/h

Maximum speed in level flight  
at maximum continuous power  $V_H$ ..... 215 km/h

Design speed for maximum gust intensity  $V_B$ ... 215 km/h

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

Maximum flap extended speed  $V_{FE}$ ..... 135 km/h

minimum flight speed  
in landing configuration  $V_{SO}$ ..... 55 km/h

Best rate of climb speed  $V_y$ ..... 120 km/h

Rate of climb at  $V_y$ ..... 4,2 m/s

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

### a) Operation

min. payload..... 50 kg

maximum take-off mass..... 600 kg

### Center of gravity range

forward limit..... 1559 mm or 24 % MAC

aft limit..... 1715 mm or 35 % MAC

Safe positive load factor..... 4 g

Safe negative load factor..... 2 g

b) Weighing

Empty mass.....353 kg  
Empty mass – C.G. position (mm).....1553-1649 lub 21-26,7 % MAC  
Datum.....propeller flange  
Aircraft attitude.....Wing underside root rib +4°

Note

To determine the C.G. position, see the manual.

**IV Towing**

Approved with towing clutch type.....  
Maximum towed load [kg] .....  
Braking point [daN].....  
MTOM of the towing UL [kg].....

**V. Operating instructions**

1. operating manuals

Flight and Operations Manual

2. instructions for maintenance and inspection

In accordance with the aircraft type manual and an annual inspection requirement.

**VI. Instrumentation**

## VII. Equipment

## VIII. Additions

Option larger tanks: 2 x 57 liters.

## IX. Restrictions

## X. Remarks

Rudder neutral position 2° right in flight direction, rudder deflections starting from the neutral position.

Luggage compartment max. 15 kg.

Translation from the German original „DULV-Kennblatt-Nr.: 978-21 2”



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For compliance with the original

Janusz Grzywa

Kraków, dnia 23.02.2023