



DESIGN AUTHORIZATION DATA SHEET Nº ERPAS-9427013

Authorization Holder:

RODOPARANA IMPLEMENTOS RODOVIÁRIOS
Avenida Juscelino Kubitscheck de Oliveira 3545
Curitiba/PR
81270-200
Brazil

ERPAS-9427013-00

Sheet 01

RODOPARANA
XAG V40

11 Dec 2023

This data sheet, which is part of Design Authorization Process No. 00066.012540/2023-76, prescribes conditions and limitations under which the product, for which the Design Authorization was issued, meets the requirements of the Brazilian Civil Aviation Special Regulation RBAC-E No. 94, Amdt. 03, Subpart E.

I - Model XAG V40, authorized in December 2023.

RPAS This is a Remotely Piloted Aircraft System (RPAS) that is comprised of a Remote Piloted Aircraft (RPA), a ground station modem and a Remote Pilot Station (RPS).

RPA

Type:	Multicopter
Wingspan:	2,795 mm (110 in).
Length:	828 mm (32 in).
Height:	731 mm (28 in).
Empty weight:	29.8 kg.
MTOW:	48 kg.
Maximum payload weight:	16 kg.
Maximum operating height:	30 m.
Maximum operational airspeed:	7 m/s
Maximum range:	800 m

C2 LINK ANATEL Homologation Certificate: 11556-23-13000

RPS

- Portable controller and application installed on COTS device.
- XAG One App v3.10.16
- XRTK4 Base Station v3.2.1.42
- ACS2 Control Stick v3.2.1.42
- Local Network Terminal (LNT) v1.0.0.31

**FLIGHT
LIMITATIONS**

1. Visual Meteorological Conditions (VMC), airspace approved by DECEA Flight Authorization.
2. Visual line of sight (VLOS) or Extended visual line of sight (EVLOS)
3. Wind resistance: up to 5 m/s
4. Simultaneous operation of multiple RPA by a single remote pilot from a single remote pilot station is prohibited.
5. Flights allowed only during the application of pesticides and similar, adjuvants, fertilizers, inoculants, correctives, and seeds on uninhabited areas
6. Operation with any inoperative (or missing) instruments or equipment is prohibited.
7. Do not fly near or above water, people, or animals.
8. Do not operate the aircraft indoors.

**ELIGIBLE SERIAL
NUMBERS**

All serial numbers eligible for VLOS/EVLOS authorization.

**AUTHORIZATION
BASIS**

Brazilian Civil Aviation Special Regulation RBAC-E No. 94, Amdt 03, Subpart E, dated 31 March 2023.

MANUAL

Flight Manual: Timber-XAG Unmanned Aircraft Manual (TMB-XAG-RPA-OPS) Review 1, May 2023

CHANGE RECORD

Revision
Rev.00

Changes
Original Issue

Date
11 Dec 2023

END

This DADS é available at ANAC website: <https://www.gov.br/anac/pt-br/assuntos/drones/projetos-autorizado>