



DESIGN AUTHORIZATION DATA SHEET Nº ERPAS-9427078

Authorization Holder:

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

ERPAS- 9427078-00
Sheet 01

RODOPARANA
XAG P100

14 Dec 2023

This data sheet, which is part of Design Authorization Process No. 00066.012558/2023-78, 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, Subpart E.

I - Model XAG P100, authorized in December 2023.

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

RPA	Type:	Multirotor
	Wingspan:	2,487 mm (98 in).
	Length:	2,486 mm (98 in).
	Height:	685 mm (27 in).
	Empty weight:	48 kg (Spraying system) 51.5 kg (Spreading system)
	MTOW:	91.5 kg
	Maximum payload weight:	40 kg
	Maximum operating height:	30 m
	Maximum operational airspeed:	13.8 m/s
	Maximum range:	800 m

C2 LINK ANATEL Homologation Certificate: 11554-23-13000

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**

Daylight Visual Flight Rules (VFR) in visual meteorological conditions (VMC).

2. Visual line of sight (VLOS) or Extended visual line of sight (EVLOS)

3. Wind resistance: up to 5 m/s

4. during the application of pesticides and similar, adjuvants, fertilizers, inoculants, correctives, and seeds on uninhabited areas

5. Operation with any inoperative (or missing) instruments or equipment is prohibited.

**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

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

CHANGE RECORD

Revision
Rev.00

Changes
Original Issue

Date
14 Dec 2023

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