

07 - AGRO *"The crop duster"*

Technical Data

Engine	Rotax 914 UL Turbo (115 hp)
Empty weight (standard)	305 Kg (675 lb)
Max. take-off weight	500 Kg (1100 lb)
Useful load	195 Kg (425 lb)
Velocity never exceed (VNE)	160 Km/h (100 mph)
Cruise speed (booms folded)	130 Km/h (80 mph)
Fuel capacity	75 litres (20 gal)
Endurance	3,5 - 4,5 hours
Fuel consumption	15 - 20 litres/h (4 - 5,5 gal/h)
Range	400 Km (250 mi)
Take-off distance	180 metres (600 ft)
Landing distance	0 - 20 metres (0 - 65 ft)

* Parameters determined during the flight test campaign in ISA conditions (15°C and sea level).

Standard equipment

- Stainless steel airframe.
- Carbon fiber fairings and tailplane.
- Rotax 914 UL Turbo engine of 115 hp.
- Alu/Comp, 8'5m (28ft) rotor.
- DUC Windspoon three-bladed carbon fiber propeller.
- Powerful automatic pre-rotator.
- Electro-pneumatic pitch trim and rotor brake.
- Mechanical roll trim.
- Hydraulic disc brakes with parking system.
- 75 liters (20 gal) fuel tank.
- High quality upholstered seats.
- Four points harness in front seat.
- Landing light.
- 5v-2A USB or 12v-10A power socket in instrument panel.
- 120 liters (31 gal) product tank.
- Spraying system with booms of 8,25m (27ft).
- Oil thermostat.

Standard instruments

- Digital airspeed ind.
- Digital altimeter and vertical speed ind.
- Vertical card compass.
- Trim pressure ind.
- Rotor tachometer.
- Engine tachometer.
- Oil temp ind.
- Cylinder head temp ind.
- Oil pressure ind.
- Fuel pressure ind.
- Fuel level ind.
- Hour counter.
- Spraying system pressure ind.

ADVANTAGES OF THE ELA-07 AGRO

- Electrical fumigation system, allowing calibration without engine power.
- "Chirurgical" cut at the end of a run (there is no wake).
- The gyroplane does not produce vortices nor distortions.
- Electric driven diaphragm pumps with a nominal pressure of 60 psi (4 bar).
- Pressure regulator valve controlled by the pilot.
- Swath width of 10 metres (33 ft) plus overlap.

