

07 - COUGAR

“A gyroplane of records”

Technical Data

Engine	Rotax 912 ULS (100 hp)	Rotax 914 UL Turbo (115 hp)
Empty weight (standard)	260 Kg (575 lb)	265 Kg (585 lb)
Max. take-off weight	500 Kg (1100 lb)	500 Kg (1100 lb)
Useful load	240 Kg (530 lb)	235 Kg (520 lb)
Velocity never exceed (VNE)	160 Km/h (100 mph)	
Cruise speed	120 - 145 Km/h (75 - 90 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	120 metres (400 ft)	100 metres (330 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 912 ULS of 100 hp or 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.
- Wide range of plain colors.
- Slipping clutch in Rotax 912 ULS engine gear-box.
- 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.

