

*Magic
pro-trainer*



SR 01

EURODISPLAY 

MAGIC **UL**
ProTrainer

The **SR-01 MAGIC** is an all metal aircraft in the UL (Ultralight) category. The single engine low winged aircraft has two seats in tandem.

AIRFRAME

Fuselage with tail units

The fuselage is semi-monocoque and has a conventional formed sheet metal bulkhead, with stringers and metal skin. Major structural items are the front and rear carry-through spars, to which the wings are attached. The all metal fuselage carries a fixed steel rod nosewheel and has aluminium main landing gear fitted with differential hydraulic brakes.

The cockpit has two seats in tandem with 4-point seat belts.

The tail assembly consists of a conventional vertical fin, a rudder, and a horizontal stabilizer with an elevator fitted with a trim tab.

Wing

The internally braced wings are constructed with front and rear spars with formed sheet metal ribs, doublers and stringers. The wings carry conventional hinged ailerons and single-slotted flaps attached to the trailing edges. The flaps have an electrical drive system for 20° and 40° deflections. Inside the wings are two 70 litre integral fuel tanks.

Flight controls

The aircraft's flight control system consists of conventional, manually-operated ailerons, and a rudder and elevator, with the trim tab powered electrically.

Powerplant

The engine and propeller are installed to customer's requirements. We offer the aircraft equipped with the Rotax 912 UL (80hp), the Rotax 912 ULS (100hp) or the Rotax 914 UL (115hp). In all cases the propeller is ground adjustable.

Avionics and instruments

According to the customer's preferences we offer the cockpit with either analogue or glass instrumentation.

Rescue system

The Stratos - Magnum 601 parachute system is installed and activated manually from the cockpit.

Interior and exterior

Offered in two trim levels:

- Economy
- Luxury



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STANDARD EQUIPMENT

Engine	Bombardier ROTAX 912 ULS
Propeller	Woodcomp SR200 three-bladed ground adjustable
Avionics	Dynon SkyView

Specifications	Metric	US / Imperial standard
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Maximum empty weight	295 kg	650 lbs
Maximum take off weight (mtow) (with parachute)	450 kg	990 lbs

Dimensions

Wing span:	9 446 mm	31'2"
Height:	2 400 mm	7'3"
Length:	6 860 mm	22'7"
Wing area:	11,732 m ²	126.5 sq/ft
Cabin width:	0,70 m	2'3"

Baggage capacity	10 kg	22 lb
Fuel capacity	140 litres (2x70 l)	36.8 US gal (2x 18.4) 30.64 Imp gal (2x 15.32)
Average fuel consumption	14 – 17 l/h	3.7 – 4.5 US gal/h 3.1 – 3.75 Imp gal/h

Load factors	+6 / -3
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Performance

Never exceed speed Vne	250 km/h	138 kts / 157 mph
Maximum cruise speed Vh	220 km/h	120 kts / 137 mph
Stall speed No Flaps	82 km/h	42 kts / 26 mph
Stall speed Full Flaps	64 km/h	35 kts / 22 mph
Climb rate	5,5 m/s	1,100 feet/minute
Service ceiling	4 500 m	14,750 ft
Cruising range	2 200 km	1,358 nm

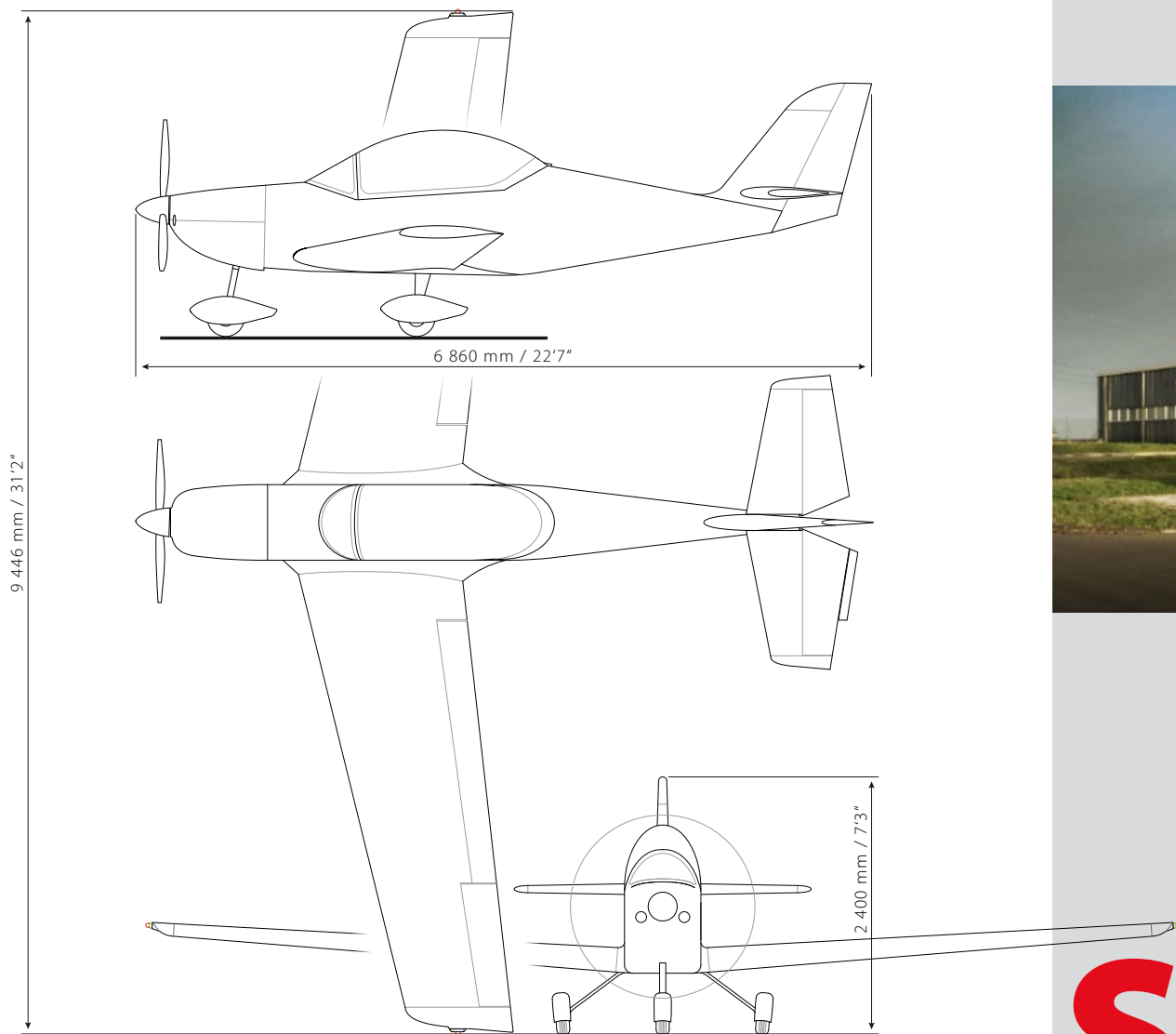
Take-off distance over 50ft obstacle	250 m	820 ft
Landing distance over 50ft obstacle	280 m	920 ft



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DIMENSIONS SR 01 – MAGIC UL ProTrainer



Manufacturer

Eurodisplay s.r.o.
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Czech Republic

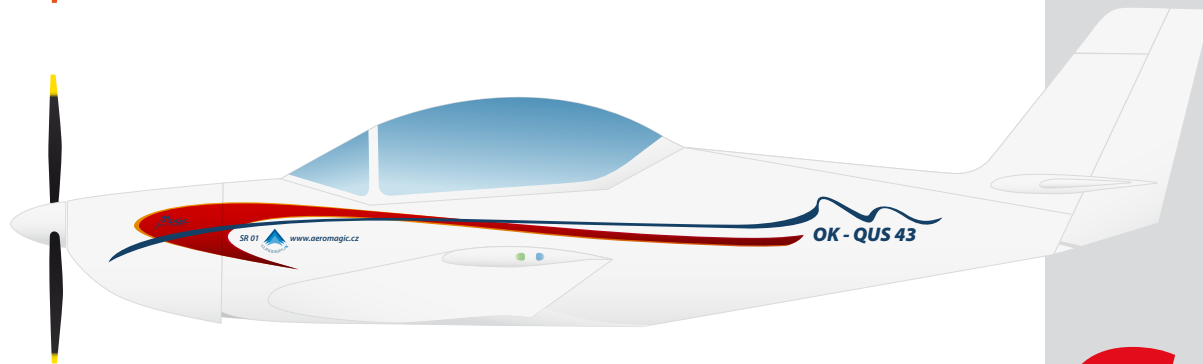
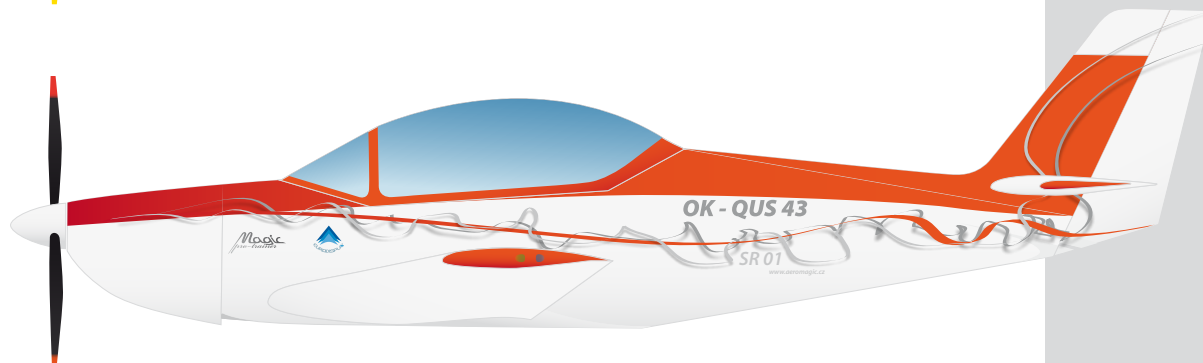
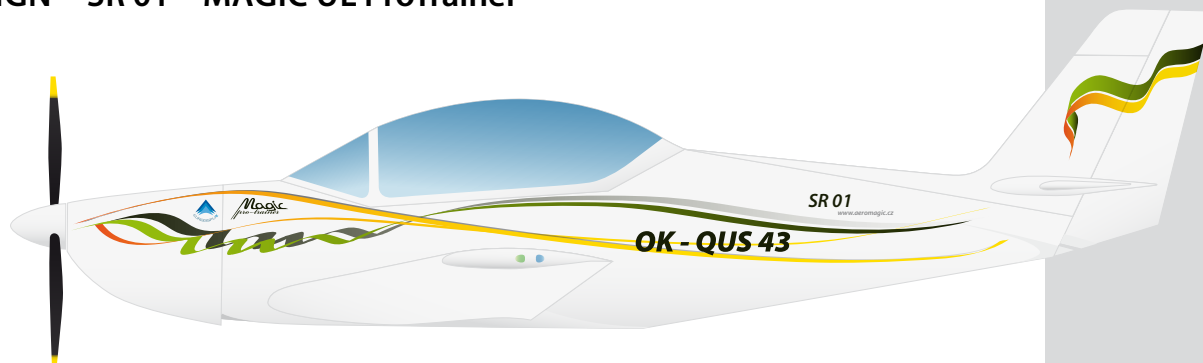
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DESIGN SR 01 – MAGIC UL ProTrainer



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