
discover a new world
ellipse

the best gear for long journeys...



ellipse aero is a producer of an ultralight plane with the unique elliptical wing made famous more than 80 years ago by the iconic Spitfire. It brings safety, speed, comfort and fun.

We believe in aerodynamics to the core. The elliptical wing and the entire airplane – this shape is omnipresent in our company. Likewise, the use of kevlar and aramid fibres in the construction define the quality of all the aircraft parameters.

... it's pure fun

made with love in the heart of Europe...



- comfortable and fast aircraft for long travels
- large luggage compartment ideal for XC journeys
- high level of safety using modern carbon materials
- low operating costs

600 kg
MTOM

1 850 km
range

350 km/h TAS
915 iS, RG, 18 000 ft

12–16 l/hod
consumption 912 iS

up to 15 kg
luggage

...in the Czech Republic

technical details







performance data	Rotax 915 iS	Rotax 912 iS	Rotax 912 ULS
stall speed flaps extended VSO (km/h IAS)	**71**	**71**	**71**
stall speed flaps retracted VS1 (km/h IAS)	**88**	**88**	**88**
max. speed flaps extended (30°) VFE (km/h IAS)	**130**	**130**	**130**
max. horizontal flight airspeed VH (km/h TAS (FG/RG))	**265**	**246/254**	**246/254**
never exceed speed VNE (km/h IAS)	**304**	**304**	**304**
take-off length 15 m obstacle, grass (m)	**320**	**350**	**350**
rate of climb (m/s at 120 km/h)	**7.67**	**4.4**	**4.4**
rough airspeed V_{RA} (km/h IAS)	**241**	**241**	**241**

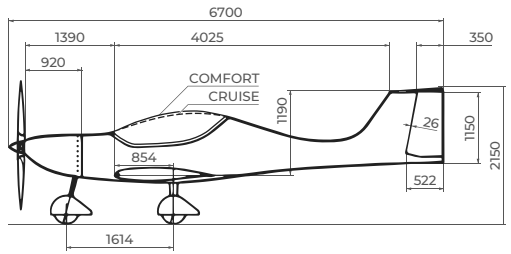
performance under conditions ISA, propeller Mühlbauer MTV-33-1-A/175-200 and MTV-34-1-A/175-200 for 915 iS TAS is measured in 4000 feet ISA

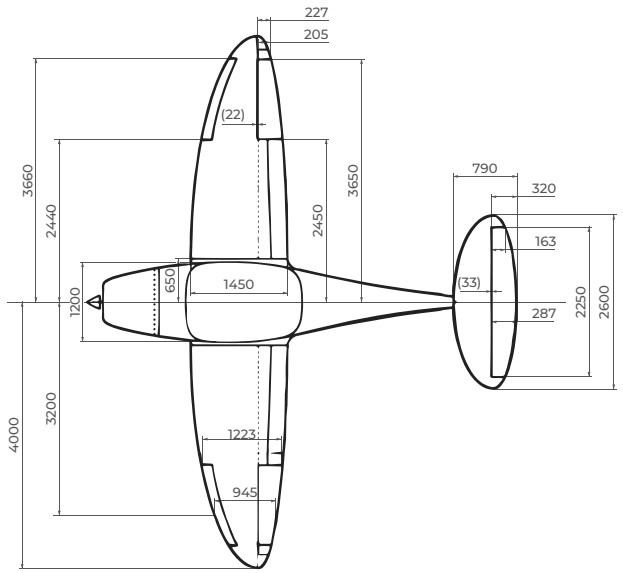
extensive accessories as standard

- GRS 600 rescue system
- elevator and aileron trims
- big luggage compartment
- radio and S transponder
- artificial horizon
- long-range fuel tanks (120 l)
- digital EMS

customise your plane by choosing:

- the right ROTAX engine
- eProps or MT constant speed prop
- fixed or retractable gear
- two sizes of canopy – optimised for cruise speed or comfort (+5 cm higher)
- high standard of analogue (KANARDIA) or glass cockpit (Garmin G3X; NESIS III) instrument panels





aircraft data	METRIC	IMPERIAL
wing span	**8** m	**26.26** ft
length	**6.55** m	**21.49** ft
height	**2.02** m	**6.63** ft
wing surfaces	**9.48** m²	**102** ft²
max. take-off weight	**600** kg	**1 322** lbs
max. luggage weight	**15** kg	**55** lbs
standard fuel capacity	**120** l	**32** US gal

the details that matter



modern instrument panels



comfortable and ergonomic seats



fixed and retractable gear



fixed slots



high-performance elliptical wings



Fowler's flaps

great versatility

- sport & leisure time flying
- travelling & XC flying
- airclubs & training centres
- rent a plane operators

ellipse



discover more

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LKMT / LKFR

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ROTAX · Kanardia · GARMIN · mt-propeller · E-Props · TRIG · Galaxy GRS · The Ray Allen Company · BERINGER