



## **Kitplanes Explorer**

*(also known as the Bushbaby Explorer in South Africa and as the Explorer UL-600 in Germany)*

### **Specifications**

#### **Description**

##### **General**

Certification basis	ASTM F2245-16c
Fuel capacity (L)	100
Unusable fuel (L)	5
Cockpit width widest point (m)	1075
Total length (m) FRL Level	5,915
Wing Span (m)	9,22
Wing Area (m <sup>2</sup> )	12,03
Wing MAC (m)	1,305
Height (m) FRL level	2,625
Seats	2 side by side
Wheel track (m)	1,73

##### **Weights and Loads**

Empty Weight (kg) (options dependent)	330-365kg
MTOW (kg)	600
minTOW (kg)	446
Baggage capacity (kg)	20
Baggage volume (m <sup>3</sup> )	0.1
Limit Positive design load factor (g)	+4
Limit Negative design load factor (g)	-2
Ultimate design load factors	+6/-3

##### **Powerplant \*\***

Engine	Rotax 912 ULS
Hp	100
Propeller (3 blade 72" IVO Medium)	Ground adjustable

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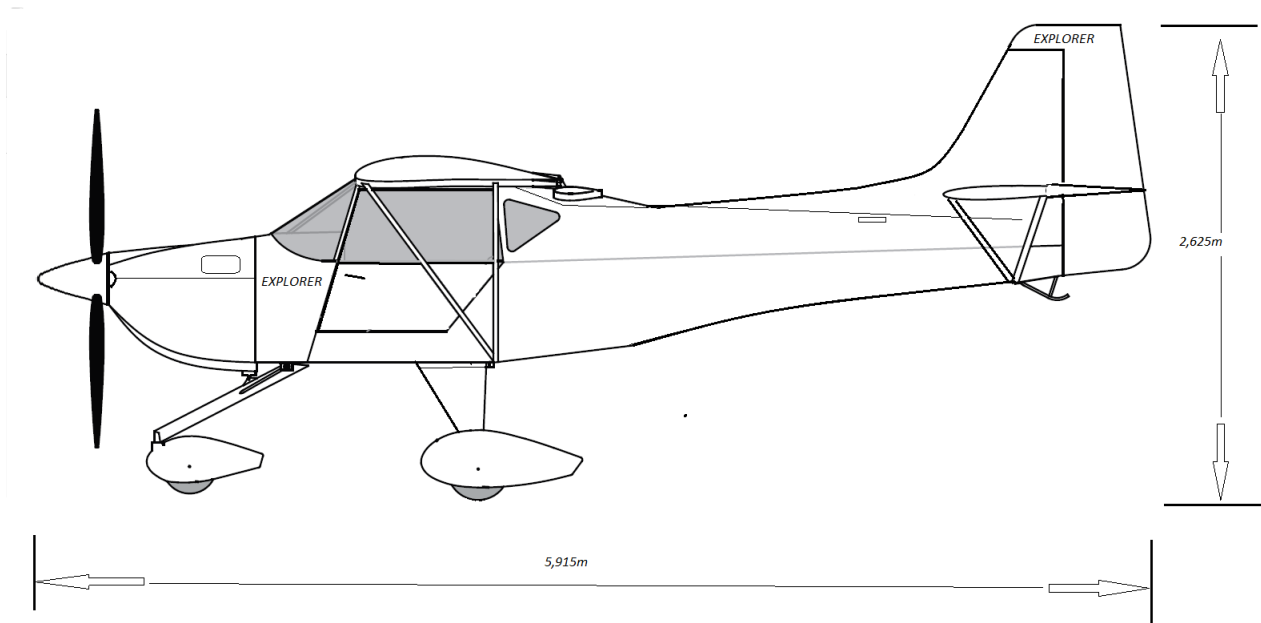
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**Performance**

Take-off roll (m)	80
Landing roll (m)	90
Rate of Climb (ft/m)	1000
Stall, Clean config (kt)	42
Stall Landing config (kt)	37
Stall full flap (kt)	35
Cruise @75% power (kt) @7500ft	105
VNE (kt)	120
VNO (kt)	100
VA (kt)	90
Service ceiling (ft)	14000
Fuel consumption (L/hr)	18
Demonstrated cross wind (kt)	24

*Performance figures based on a sea-level standard day using the powerplant listed without high lift devices and employing average piloting techniques.*



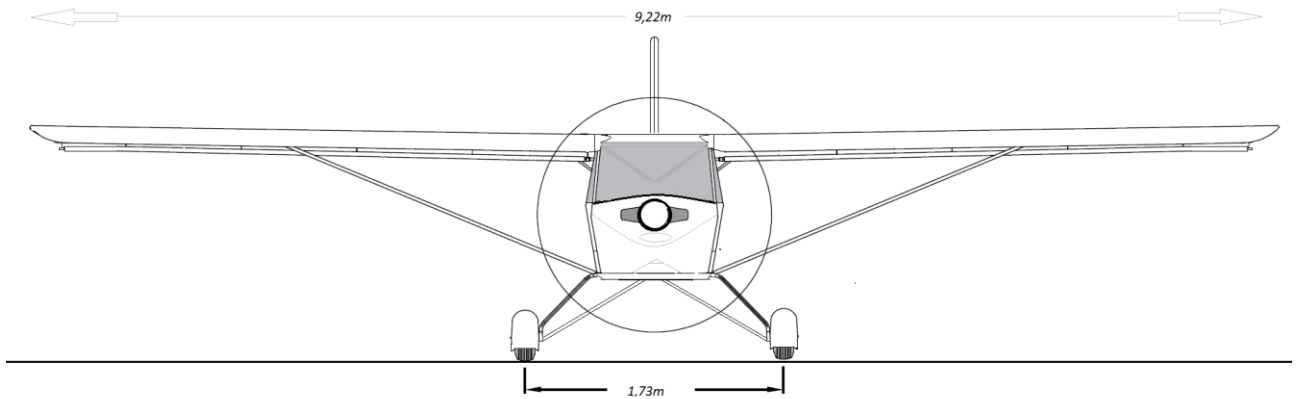
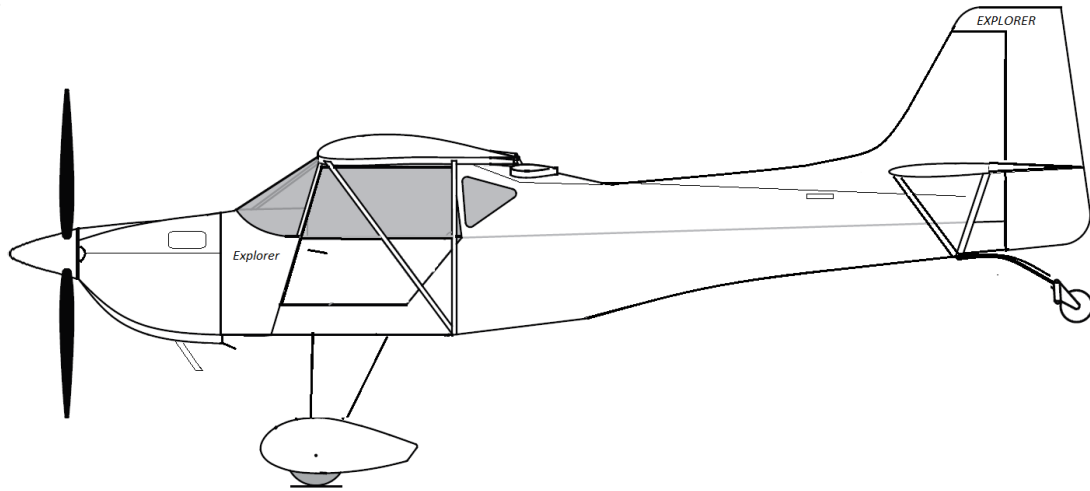
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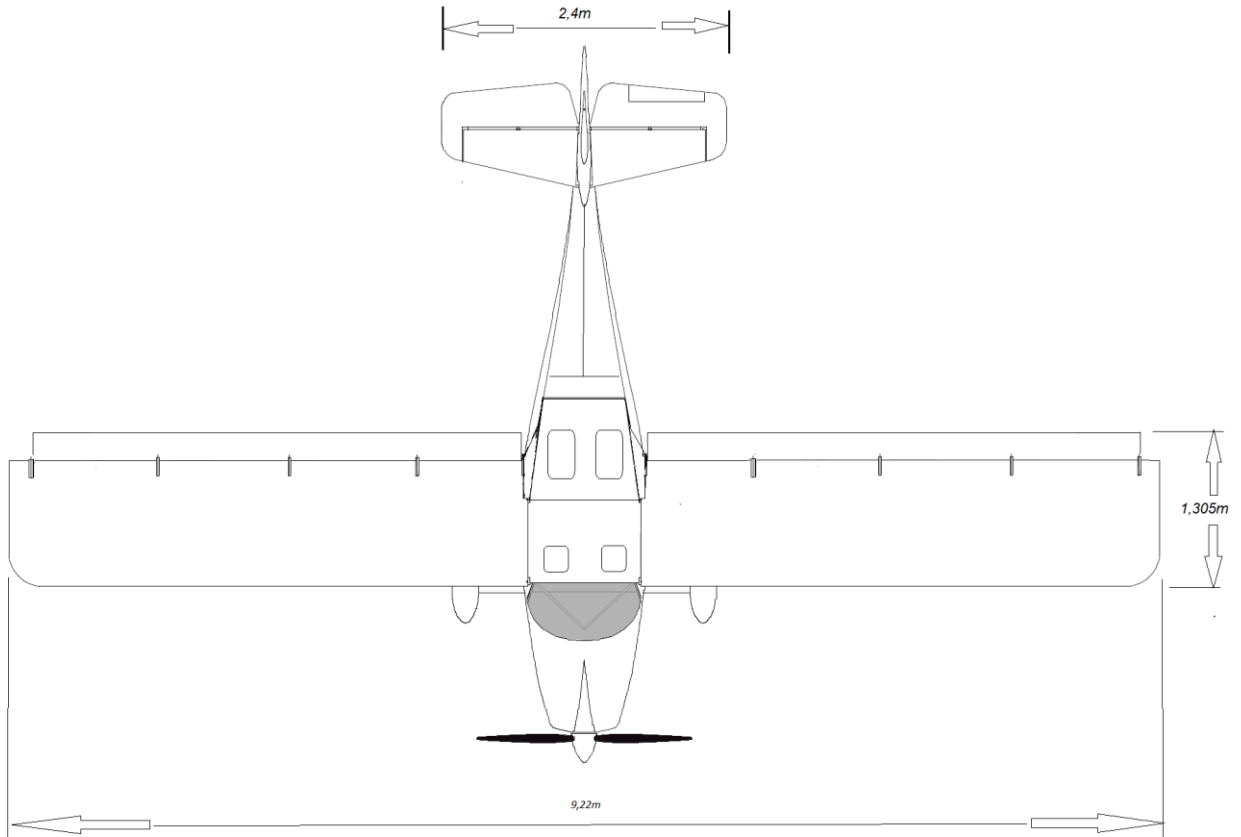
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