



Explorer

(also known as the Bushbaby Explorer and as the KFA Explorer UL-600)

Available in kit or as a ready to fly aircraft (confirm whether RTF accepted in your country)

Specifications

<u>Description</u>	<u>Metric</u>	<u>Imperial</u>
<u>General</u>		
Certification basis	ASTM F2245-16c LTF UL-2019 SACAA-Part 24	ASTM F2245-16c LTF UL-2019 SACAA-Part 24
Fuel capacity	105 (L)	27.7 (gal)
Cockpit width widest point	1,075 (m)	42.3 (in)
Total length - FRL Level	5,915 (m)	232.87 (in)
Wing Span	9,34 (m)	30.64 ft
Wing Area	12,19 (m ²)	131.2 ft ²
Wing MAC	1,305 (m)	14 ft ²
Height FRL level (6.00 x 6)	2,625 (m)	89 (in)
Seats	2 side by side	2 side by side
Wheel track	1,73 (m)	68 (in)

Available as a nose wheel or tailwheel aircraft.

Weights and Loads

Empty Weight (options dependent) (excluding parachute)	340-365kg	750-805 (lbs)
MTOW	600 (kg)	1323 (lbs)
Baggage capacity	30 (kg)	66 (lbs)
Baggage volume	0.1(m ³)	3.5 (ft ³)
Limit design load factors (g)	+4/-2	+4/-2
Ultimate design load factors (g)	+6/-3	+6/-3

Powerplant **

(Based on a standard Rotax 912 uls engine)

Various engines up to 135hp approved in RTF aircraft

Engine	Rotax 912 ULS	Rotax 912 ULS
Hp	100	100
Propeller (FP-Propeller 3-blade electric variable pitch with warp drive blades)	Full Auto	Full Auto

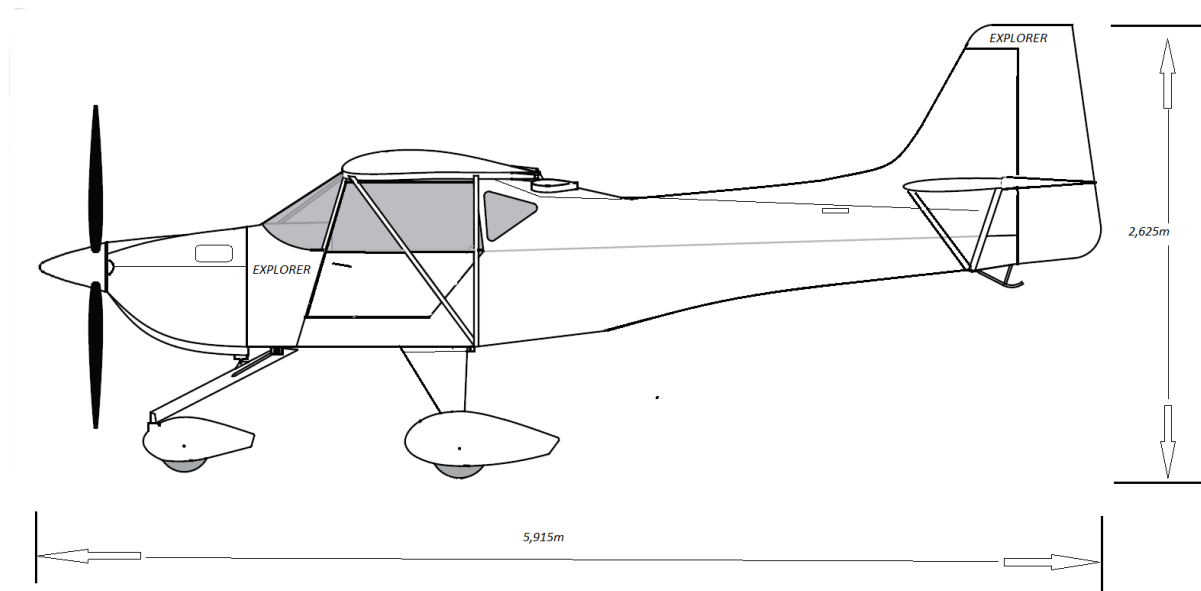
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Performance

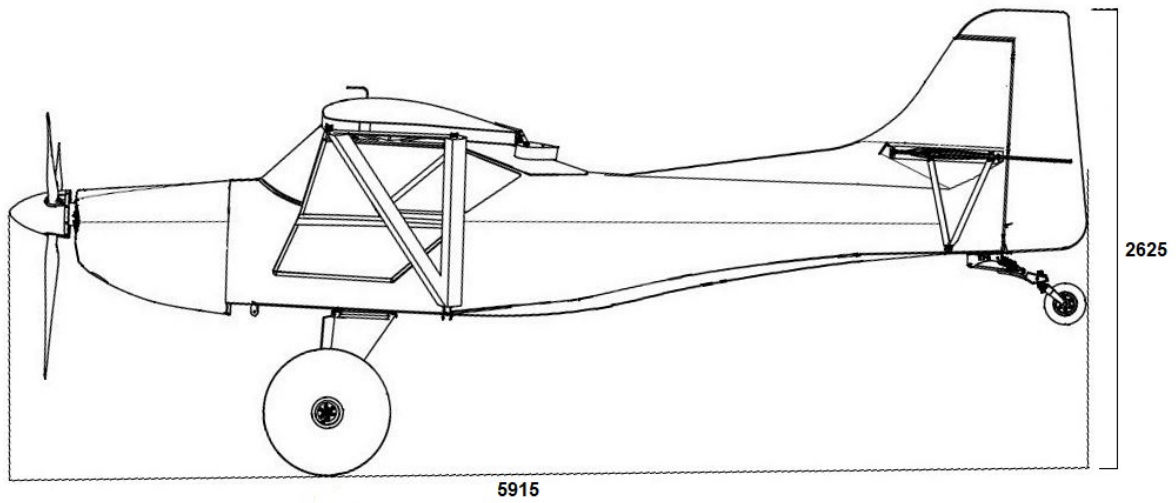
Take-off roll	80 (m)	260 (ft)
Landing roll	90 (m)	295 (ft)
Rate of Climb	800 (ft/min)	800 (ft/min)
Stall, Clean config	42 (kt)	42 (kt)
Stall Landing config (8 degr)	37 (kt)	37 (kt)
Stall full flap (12 degr)	35 (kt)	35 (kt)
Cruise @ 5100rpm @ 7000ft (IAS)	85 (kt)	85 (kt)
VNE	121 (kt)	121 (kt)
VNO	100 (kt)	100 (kt)
VA	90 (kt)	90 (kt)
VH	105 (kt)	105 (kt)
Service ceiling (ft)	14000	14000
Fuel consumption (average-cruise)	18 (L/hr)	4.8 (gal(US)/hr)
Demonstrated cross wind (kt)	20	20

Performance figures based on a sea-level standard day using the powerplant listed and employing average piloting techniques. (Take-off distance, climb rate and cruise figures will significantly improve with the fitment of the approved turbo charged engine versions.)



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