

KFA Safari XL with STL wing

Description

General

	<u>Metric</u>	<u>Imperial</u>
Certification basis	EASA CS-VLA	EASA CS-VLA
Fuel capacity	132 (L)	35 (gal)
Unusable fuel	5 (L)	1.32 (gal)
Cockpit width - widest point	1,194 (m)	47"
Total length - FRL Level	6,415 (m)	252.6"
Wing Span	9,64 (m)	31.63 (ft)
Wing Area	13,59 (m ²)	146.28 (ft ²)
Wing MAC	1,41 (m)	55.51"
Height - FRL level	2,7 (m)	106.3"
Seats	2 side by side	2 side by side
Wheel track	1,85 (m)	72.83"
Max average pilot	2 (m)	6' 6"
Roof lifted by	25mm	1"
Door opening larger by	25mm	1"
Legroom increased by	35mm	1.4"
Engine mount shortened by	35mm	1.4"

Weights and Loads

Empty Weight (options dependent)	400 – 450 (kg)	881 - 992 (lbs)
MTOW	750 (kg) (800kg soon)	1653.5 (lbs) (1764)
Baggage capacity	50 (kg)	110 (lbs)
Baggage volume	0.18 (m ³)	6.4 (ft ³)
Limit design load factor (g)	+3.8/-1.9	
Ultimate design load factors (g)	+5.7/-2.85	

Powerplant

Engine	Rotax 916 iS	Rotax 916 iS
Hp	160	160
Propeller (FP-Prop, Hydraulic CS)	Inflight Adjustable	Inflight Adjustable

Performance (With STL wing)

Take-off ground roll	50 (m)	150 (ft)
Landing ground roll	60 (m)	180 (ft)
Rate of Climb (ft/m)	1800	1800
Stall Landing config	67 (km/h)	36 (kt)
Stall full flap	56 (km/h)	31 (kt)
Cruise @75% power (kt) @7500ft	176 (km/h)	95 (kt)
VNE (kt)	233 (km/h)	126 (kt)

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VNO (kt)	176 (km/h)	95 (kt)
VA (kt)	148 (km/h)	80 (kt)
Service ceiling (ft)	14000	14000
Fuel consumption (average - cruise)	21 (L/hr)	5.6 (gph)
Demonstrated cross wind (kt)		21

- Only available as an Experimental kit. Various quick build options available including builder assistance programs.
- Various propeller options available including reverse function for floats and skis.
- Kit comes standard with the STL wing.
- Kit comes standard with all carbon options.
- Extended landing gear available as an option.
- All kits come standard with the KFA Buffalo suspension system.
- Can be fitted with floats.
- Can be fitted with skis.

