

BGA glider data sheet - Libelle Standard (Glasflügel 201)

See separate sheet for Standard Libelle 201B

Data source : Manufacturers' handbook

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Manufacturer: Glasflügel Agent: Hansjorg Streifeneder, Glasfaser-Flüzeug-Service, Hofner Weg, D-72582 Grabbenstetten, Germany Web: www.streifly.de Tel 0049 7382 1032 and Fax 0048 7382 1629 and email: streifly@aol.com

Weighing Data:

	Kg	Pounds
Max weight (dry)	290	640
BGA concession non-aerobatic max weight (dry) [+3%]	299	659
Max weight of instrument panel	10	22
Max pilot weight (seat load)	110	242

mm Inches

Forward C of G limit (aft of datum)		245	9.6
Aft C of G limit (aft of datum)		350	13.7
Pilot position (forward of datum)	Max	400	15.75
	Min	300	11.81

Longitudinal datum: Wing LE, 425mm from fuselage centre line

Horizontal datum: Rear fuselage top 1000:70 tail down

Distance of main wheel behind datum ("a") 120mm. Distance from main wheel to tail wheel ("b") 3820mm.

Control deflections in degrees

	Up	Down		Max free play
Ailerons	20° ±1°	11° ±1°		
Elevator	18° ±1°	18° ±1°		
Rudder	Left 25° ±1°	Right 25° ±1°		

Maximum speeds

	Knots	Kph
VNE	119	220
Rough air	81	150
Aerotow	81	150

	Knots	Kph
Manoeuvre	81	150
Winch / auto tow	65	120
Airbrakes out	119	220

Control surface mass and mass balance must remain within 2% of their original values.

Max winch weak link: Tost white (BGA approved Mod 600 Kg, Tost blue)

Tyre pressures: Main & tail wheel 36 psi (2,5 Bar)

BGA classification - Semi aerobatic (without water-ballast), cloud flying permitted.

Notes: -

There is no provision for water ballast on the Standard Libelle 201. The 201B has higher weights, speeds and can carry water ballast.

This sheet compiled by: Tim Macfadyen Last update: 29 July 2005