

BGA glider data sheet - Libelle H 301 & H 301b

Data source Manufacturers' Flight & Service Manuals Date of issue: 1965

Manufacturer: Glasflügel,

Agent: H G Streifeneder, Glasfaser-Flügelzeug-Service, Brühlstrasse 12, 7318-Lenningen 2, Germany

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	300	661
BGA concession non-aerobatic max weight (dry) [+3%]	309	681
Max water	Nil	
Max weight of non lifting components (everything except wings) see table in handbook page 6-4 for details	200	441
BGA concession non-aerobatic max weight of non lifting components [+5%]	210	454
Max pilot weight (seat load)	110	242
	mm	inches
Forward C of G limit (aft of datum)	215	8.48
Aft C of G limit (aft of datum)	354	13.9
Pilot position (forward of datum)		

Control deflections in mm

	Up	Down	Distance - hinge to measuring point					
Ailerons 301	35 ± 4	18 ± 3	115					
Ailerons 301B (Flaps neutral)	42 ± 4	22 ± 3	115					
Rudder 301 301B	Left & Right Max 160 Min 115 Max 178 Min 134		360					
Elevator	44 ± 4	44 ± 4	140					
Aileron & flap deflections in mm ± 3mm with stick central (ailerons neutral) + is down - is up								
Flap pos	+4	+3	+2	+1	-1	-2	-3	-4
Aileron 301	+12	+9	+6	+3	-3	-6	-9	-12
Flap 301	+23	+16	+11	+5,5	-4	-8	-12	-16
Flap 301B	+20							-14

Longitudinal datum: Wing LE 425mm from fuselage centre line

Horizontal datum: Rear fuselage rear top 100:7 rear down

Maximum speeds

	Knots	Kph
Aerotow	76	140
Winch tow	65	120
U/C down	86	160
Flaps +4	76	140
Flaps +3	84	155
Flaps +2	92	170
Flaps +1	100	185
Flaps 0	108	200

Maximum speeds

	Knots	Kph
VNE	108	200
Rough air	95	175

All data applies to the 301 & 301B except where specified.

Max winch weak link: 670 Kg (Blue)

Tyre pressure: main 43 - 50 psi 3 - 3,5 Bar Tail 36 - 50 psi, 2,3 - 3,5 Bar

Semi aerobatic, cloud flying permitted.

This sheet compiled by: Tim Macfadyen Date: 11 September 2002