

BGA glider data sheet - Janus B

Data source: Manufacturer's Manuals

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Manufacturer: Schempp Hirth, Flugzeugbau GmbH, Postfach 1443, D-73222 Kirchheim/Teck, Germany
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Weighing Data:

	Kg	Pounds
Max weight (with or without water)	620	1367
BGA concession non-aerobatic max weight [+3%]	639	1408
Max pilot weight (seat load)	110	242
Max weight of non-lifting components (everything except wings)	440	970
BGA concession non-aerobatic max weight of non-lifting components [+5%]	462	1019
	mm	
Forward C of G limit (aft of datum)	70	
Aft C of G limit (aft)	300	
Front pilot (forward of datum)	1300	
Rear pilot (forward of datum)	190	
Max non-fixed baggage 5 Kg.		
Max fixed equipment in centre section 25 Kg.		

Control deflections in mm

	Up	Down	Distance - hinge to measuring point
Ailerons	73-90	35-47	193
Flaps 0	21-27	55-69	201
Elevator	49-61	49-61	182
Rudder	235-275 left & right		450

Longitudinal datum: Wing root LE root rib.

Horizontal datum: Rear fuselage top 1000:45 tail down

Maximum speeds

	Knots	Kph
VNE	119	220
Rough air	92	220
Manoeuvre	92	170
Winch / auto tow	65	120
Aerotow	92	170
Flaps +8, 0, -4, -7	119	220
Flaps "L"	76	140

Max winch weak link: 825 daN (BGA approved increase to 850 Kg, Tost brown)

Tyre pressures: Main 50 psi (3.5 Bar) Nose 35 psi (2.5 bar)

Semi aerobatic. Cloud flying is permitted without water.

Brake fluid SAE - J 1703 or US specification FMVVS 116, DOT 3 resp. DOT 4

Span 18.2 meters

This sheet compiled by: Tim Macfadyen 17 Sept 2002

Extensively updated with info from Manuals 28 May 2025