

# BGA glider data sheet - Janus C

Data source: Flight Manual

Date of issue: June 1980

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## Weighing Data:

## Control deflections in mm

	Kg	Pounds
Max weight (with water)	700	1543
Max landing weight	700	1543
Max pilot weight (seat load)	110	242
Max weight of non lifting components (everything except wings)	400	882
BGA concession non-aerobatic max weight of non lifting components [+5%]	420	926
	mm	Inches
Forward C of G limit (aft of datum)	40	1.58
Aft C of G limit (aft)	270	10.63
Front pilot (forward of datum)	1300	51.2
Rear pilot (forward of datum)	190	7.5
Max non fixed baggage 5 Kg.		
Max fixed equipment in centre section 25 Kg.		

	Up	Down	Distance - hinge to measuring point
Ailerons	80	40 +7 -5	193
Flaps 0	+10 -7		
Elevator	55 ±6	55 ±6	182
Rudder	Left & right 255 ± 20		450

The above are as per Mod SB No 295-21

Longitudinal datum: Wing root LE root rib.

Horizontal datum: Rear fuselage top 1000:45 tail down

## Maximum speeds

	Knots	Kph
VNE	135	250
Rough air	97	180
Manoeuvre	97	180
U/C down	97	180
Winch / auto tow	81	150
Aerotow	97	180
Flaps "L"	76	140

VNE at altitude			
Height in Meters	Height in feet	Knots	Kph
3 000	10 000	129	240
4 000	13 000	122	227
5 000	16 500	116	215
6 000	20 000	111	205
7 000	23 000	104	193
8 000	26 000	98	182
9 000	29 500	93	172
10 000	33 000	87	161
12 000	39 500	76	140

Max winch weak link: 825 daN (BGA Brown) Tyre pressures: Main 64 psi (4.5 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 20 meters

This sheet compiled by: Tim Macfadyen

Date: 17 Sept 2002