

# BGA glider data sheet - Janus A

Data source: BGA data & FAA data

Date of issue: 1976

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## Weighing Data:

	Kg	Pounds
Max weight (with water)	620	1367
Max landing weight	620	1367
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	Inches
Forward C of G limit (aft of datum)	30	1.18
Aft C of G limit (aft)	300	11.81
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.		

## Control deflections in mm

	Up	Down	Measuring point
Ailerons (Flaps 0)	90 - 72	48 - 35	Root rib
Elevator	57 - 42	82 - 67	Root rib
Rudder	Left & right 274 - 234		Root rib
Flaps	27 - 21	65 - 59	Root rib

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	119	220
U/C down	119	220
Winch / auto tow	65	120

	Knots	Kph
Manoeuvre	92	170
Aerotow	92	170
Flaps "L" & +10	92	170

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

Tyre pressures: Main 64 psi (4.5 Bar) Nose 35 psi (2.5 bar)

Semi aerobatic. Cloud flying is permitted without water.

Span 18.2 meters

This sheet compiled by: Tim Macfadyen

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