

BGA glider data sheet - Pegasus - Centrair 101 & 101A

Data source: Manufacturers' Handbook Date: 1987

Manufacturer: Centrair Web site: Phone: Fax:

UK Agent: Web site: Phone: Fax:

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry) no tanks in wings	363	800
BGA concession non-aerobatic max weight (dry) without tanks [+3%]	374	824
Max weight dry with tanks in wings	368	811
BGA concession non-aerobatic max weight (dry) with tanks [+3%]	379	836
Max weight with water	455	1003
Max weight of non lifting components (everything except wings)	235	518
BGA concession non-aerobatic max weight of non lifting components [+5%]	247	544
Max pilot weight (seat load)	110?	242?

mm Inches

Forward C of G limit (aft of datum)	230	9.06
Aft C of G limit (aft of datum)	375	14.76
Pilot position (forward of datum)	650	25.59

Control deflections in degrees

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	22 ±2	14 ±2		
Elevator	22 ±3.5	18 ±2		
Rudder	Left 30±3	Right 30±3		

Controls mass & moment limits

	Mass Kg	Balance KgCm
Rudder		
Ailerons		
Elevator		

Longitudinal datum: Wing root LE (not the fairing).

Horizontal datum: Rear fuselage top 1000:45 tail down

Maximum speeds

	Kph	Knots
VNE	250	135
Rough air	163	88
Manoeuvre	163	88

	Kph	Knots
Aerotow	163	88
Winch / auto tow	120	65
U/C down	163	88

Max winch weak link: 600 Kg [Blue]

Tyre pressure: 2.6 - 3.4 Bars

Semi aerobatic. Cloud flying permitted.

Notes: -

Each 1Kg lead weight in the nose reduces the min pilot weight by 2 Kg.

Span 15 meters

This sheet compiled by: Tim Macfadyen

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