

BGA glider data sheet - Calif A 21S Caproni

Data source Flight manual revision 3

Manufacturer: Caproni Vizzola Italy (Closed 1983)

Weighing Data:

	Kg	Pounds
Max weight	644	1420
BGA concession non-aerobatic max weight (dry) [+3%]	663	1463
Max weight of non-lifting components (everything except wings)		
BGA concession non-aerobatic max weight of non-lifting components [+5%]		
Max pilot weight (seat load)		
Max luggage compartment load		
	mm	
Forward C of G limit (aft of datum)	2212	
Aft C of G limit (aft of datum)	2489	
Pilots position (aft of datum)	1433	

Control deflections in degrees

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	45±3	24±3		1,8
Elevator	30±3	25±3		
Flaps Landing	8±1	12±2 74±8		
Rudder	Left & right 26±2			

Longitudinal datum: 2 meters forward of the wing root LE (not the fairing).

Horizontal datum: 36,9:1000 rear fuselage top, tail down

Maximum speeds

	Knots	Kph
VNE	136	252
Rough air	91	169
Manoeuvre		
Winch / auto tow	70	130

	Knots	Kph
Aerotow	75	140
U/C down	86	160
Flaps positive	85	158

Height feet	Height meters	VNE knots	VNE Kph
10 000 - 16 400	3 - 5 000		
16 400 - 23 000	5 - 7 000		
23 000 - 29 500	7 - 9 000		
29 500 - 36 000	9 - 11 000		
36 000 - 43 000	11 - 13 000		

Winch launching and auto-towing permitted if a Tost G72 or G73 winch hook is fitted. Weak link 600 Kg max, Tost blue. Note, this is a very light weak link for a glider of this weight and will be very easily broken. Tost recommend a link 1.5 times the weight of the glider, 1.5 x 644 Kg is 966 kg. (Tost brown is 850 Kg, black is 1000 Kg). These stronger weak links are not cleared for this glider.

Tyre pressure: Main 3,5 Bar 50 psi. Tail 1,4 bar 20 psi.

Semi aerobatic. Cloud flying is permitted.

Side by side two seater, span 20.38 meters. Approximately 150 Calif A21S's were produced in the 1970's and early 1980's. Aluminium construction apart from the glass fibre nose. This is an EASA glider (not annex 1).