

BGA glider data sheet -M100 S

Data sources: The world's Sailplanes Vol 2, BGA data & FAA data

Date of issue: 1963

Manufacturer: Carman (France) and Morelli (Italy)

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max all up weight	315	695
BGA concession non-aerobatic max weight [+3%]	325	716
Max pilot weight (seat load)	115	253
	mm	Inches
Forward C of G limit (aft of datum)	300	11.8
Aft C of G limit (aft of datum)	440	17.3
Pilot position (forward)	310	12.2

Control deflections in degrees

	Up	Down	Max free play
Ailerons	26 - 30°	26 - 30°	
Elevator	26 - 30°	18 - 22°	
Trim	17° min	17° min	
Rudder	Left & right 26 - 30°		

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage top, just in front of dorsal fin, 4° tail down (70:1000)

Maximum speeds

	Knots	Kph
VNE	108	200
Rough air	76	140
Manoeuvre		

	Knots	Kph
Aerotow	81	150
Winch / auto tow	54	100
Airbrakes open	108	200

Max winch weak link: 600 Kg (Blue)

Tyre pressure: Main 35 - 40 psi (2,5 - 3 kg/cm²)

Semi aerobatic Cloud flying permitted

Span 15 meters

This sheet compiled by: Tim Macfadyen Date: 28 July 2003