

BGA glider data sheet - ASW 28-18 & ASW 28-18E

See separate sheet for ASW28

Data source: EASA data

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Weighing Data:

	Kg	Pounds
Max weight with water 15m	525	1157
Max weight with water 18m	575	1268
Max wt aerobatics & cloud 15m	409	902
Max wt aerobatics & cloud 18m	419	923
Max weight of non lifting components (everything except wings)	285	628
BGA concession non-aerobatic max weight of non lifting components [+5%]	299	660
Max pilot weight (seat load)		
Baggage compartment	12	26.5

mm Inches

Forward C of G limit (aft of datum) 15m	227	8.94
Forward C of G limit (aft of datum) 18m	233	9.17
Aft C of G limit (aft of datum)	406	13.58

Control deflections in degrees

	Up	Down	Controls mass & moments
Ailerons	20° - 25°	12° - 15°	
Elevator	18° - 22°	18° - 22°	
Rudder	left and right 29° - 33°		
Controls max free play (controls central)			

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage sloping rear down 49: 1000

Maximum speeds

	Knots	Kph
VNE	146	270
Rough air	108	200
Winch / auto tow	75	140

	Knots	Kph
Manoeuvre	108	200
Wheel operating	108	200
Aerotow	92	170
Airbrakes open	146	270

VNE at altitude

Height in feet	Meters	Knots	Kph
20 000 - 26 000	6 - 8 000	127	236
26 000-33 000	8 - 10 000	113	209

Max winch weak link: - 825 daN (red)

Tyre pressure: Main psi (bar), rear psi (bar)

Semi aerobatic without water. Cloud flying permitted, without water.

LBA Type certificate No 423

Span optional 15 or 18 meters

A self sustaining engine is an option ("E" version).

This sheet compiled by: Tim Macfadyen

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