

BGA glider data sheet - AC-5t - Not a BGA certified type

This glider has a self sustaining SOLO 210cc (15 HP) engine

Data source: Manufacturer's data

Date of issue:

Manufacturer: Avia Stroitel Ltd

UK Agent:

Web site:

Phone:

Fax:

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	300	662
Max pilot weight (seat load)		
mm Inches		
Forward C of G limit (aft of datum)	127	5.00
Aft C of G limit (aft of datum)	267	10.51
Tall pilot position (forward)*	380	15.0
Short pilot position (forward)*	440	17.3

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons				
Elevator				
Rudder				

*It is strongly recommended that the glider is weighed with the pilot in due to the large effect that the pilot size and weight has on the C of G position of this small and light glider.

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage top 1000:90 tail down

The 2 nose weights weigh 3.6 kg (8 lb) each and are 1200 mm forward of datum.

Maximum speeds

	Knots	Kph
VNE**	**119	220
Rough air	87	161
Manoeuvre	87	161
Aerotow	87	161

	Knots	Kph
Winch / auto tow	60	111
Airbrakes open	97	180
U/C operation	87	161
Engine operation	45 - 55	83 - 102

Altitude feet	VNE knots
6500 - 9800	112**
9800 - 13100	106**
13100 - 16400	100**
16400 - 19600	95**

**VNE is presently limited to 87 Knots by BGA Mod 035/02/2003

Max winch weak link: 500 Kg (White)

Tyre pressure: Main 29 psi (2 Bar), rear 22 psi (1.5 bar)

Aerobatics and cloud flying are prohibited

Span 12.6 meters

Fuel tank capacity 10 litres, mixture 50:1 Unleaded fuel, min 91 octane, synthetic 2 stroke oil

Max RPM 5500 for 5 minutes, 5000 continuous. Max cylinder head temp 500°F

This sheet compiled by: Tim Macfadyen Date: 7 Feb 2003