

# BGA glider data sheet - Woodstock

Permit to fly only - a BGA C of A may not be issued for this type

Data source: Design Drawings

Date of issue: 1988

Manufacturer: Home-built Designer: Jim Maupin (deceased) USA

UK Agent: none Richard Harvey Tel 01692 650740 has built one

Link to mandatory mods:

## Weighing Data:

|  | Kg  | Pounds |
|--|-----|--------|
| Max weight   | 229 | 505    |
| Max weight of non lifting components (everything except wings) | 160 | 354    |
| Max pilot weight (seat load)                                   | 94  | 208    |
|  | mm  | Inches |
| Forward C of G limit (aft of datum)                            | 273 | 10.75  |
| Aft C of G limit (aft of datum)                                | 355 | 14.0   |
| Pilot position (forward)                                       |     |        |

## Control deflections

|          | Up                    | Down  | Measuring point | Max free play |
|----------|-----------------------|-------|-----------------|---------------|
| Ailerons | 32°                   | 8°    | Inboard TE      |               |
| Elevator | 111 mm                | 71 mm | Centre TE       |               |
| Rudder   | Left and right 216 mm |       | Rear TE         |               |
|          |                       |       |                 |               |

Longitudinal datum: Wing root LE at rib 1

Horizontal datum: Rear fuselage top corner

## Maximum speeds

|           | Knots | Kph |
|-----------|-------|-----|
| VNE       | 86    | 159 |
| Rough air | 67    | 124 |
| Manoeuvre | 67    | 124 |

|                  | Knots         | Kph |
|------------------|---------------|-----|
| Aerotow          | 73            | 135 |
| Spoilers open    | 67            | 124 |
| Winch / auto tow | Not permitted |     |

## Number of 1.9 pound ballast weights required in the nose.

| Cockpit load             | 160 | 165 | 170 | 175 | 180 | 185 | 190 | 195 | 200 | 205 | 208 |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ballast weights required | 10  | 9   | 8   | 7   | 6   | 5   | 4   | 3   | 2   | 1   | 0   |

Max winch/auto tow weak link:- Winch launching is not permitted.

Tyre pressure: 35 psi (2.5 Bar)

Non aerobatic, non cloud flying

Span 11.89 meters

This sheet compiled by: Tim Macfadyen with data supplied by Richard Harvey Date: 29 May 2003