BGA glider data sheet - Mosquito A & B

Data source Manufacturers' Handbook Date of issue:

Manufacturer: Glasflügel Web site: Phone: Fax:

Agent: H G Streifeneder, Glasfaser-Flügzeug-Service, Brühlstrasse 12, 7318-Lenningen 2, Germany

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	380	838
BGA concession non-aerobatic max weight (dry) [+3%]	391	863
Max weight with water	450	992
Max landing weight	380	838
Max weight of non lifting components (everything except wings)	240	529
BGA concession non-aerobatic max weight of non lifting components [+5%]	252	556
Max pilot weight (seat load)	110	242

C of G limits (aft of datum) mm inches

Forward C of G limit Mosquito A	235	9.25
Aft C of G limit Mosquito A	360	14.17
Forward C of G limit Mosquito B	200	7.87
Aft C of G limit Mosquito B	325	12.80
Pilot position (forward of datum)	440	17.32

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	33 ±3	14 ±2	81 (tip) Flaps neutral	±3 At root
Elevator	41±5	41±5	138	±2 at centre
Airbrakes	60° ±3°		120±5	±2 fully open
Rudder	117 ± 9 Left & Right		270	±5 at bottom
Flaps	28 ±3,5	42 ±3,5	220	±3 at 141 rad

Longitudinal datum: Wing root LE (425mm from fuselage centre).

Horizontal datum: Rear fuselage top 1000:52 tail down

Minimum gap between flaps and ailerons 4,5mm

Maximum speeds

	Knots	Kph
VNE	135	250
Rough air	108	200
Manoeuvre		

	Knots	Kph
Aerotow	81	150
Winch / auto tow	81	150
Flaps +1 & +2	108	200

Max winch weak link: 650 Kg [Blue]

Tyre pressure: Main wheel 36/50 psi [2,5/3,5 bar] without water ballast/with water ballast
Tail wheel 22 psi [1,5 bar]

Semi aerobatic. Cloud flying permitted.

Brake/flap gas strut - With the flaps set to -2 the torque to move the flap down is 23-26 Nm [17-19 ft-lb].

Rig the glider with the flaps set to -2, the brake handle in the middle and the flaps lifted.

CAIR Aviation "Ottfur" hook(s) may be fitted in place of the original hooks.

This sheet compiled by: Tim Macfadyen Last update: 27 April 2009 (CAIR Aviation hooks added)