

# BGA glider data sheet - Pik 20B

Data source: Flight Manual

Manufacturer: Eiriavion Oy, 38800 Jämijärvi, Finland

In 2013 the Finnish CAA moved the drawings, library and AD information to the following web sites:-

General info including manuals [http://www.trafi.fi/en/aviation/airworthiness/pik-20\\_support](http://www.trafi.fi/en/aviation/airworthiness/pik-20_support)

Drawings [http://www.trafi.fi/en/aviation/airworthiness/pik-20\\_support/pik-20\\_and\\_pik-20b\\_list\\_of\\_drawings](http://www.trafi.fi/en/aviation/airworthiness/pik-20_support/pik-20_and_pik-20b_list_of_drawings)

ADs [http://www.trafi.fi/en/aviation/airworthiness/gliders\\_and\\_powered\\_gliders\\_ad\\_s](http://www.trafi.fi/en/aviation/airworthiness/gliders_and_powered_gliders_ad_s)

## Weighing Data:

	Kg	Pounds
Max weight with water	450	992
Max weight dry (& max landing weight)	400	880
BGA concession non-aerobatic max weight (dry) [+3%]	412	908
Max water	140	309
Max weight of non-lifting components		
Max pilot weight (seat load)	110	242
	mm	Inches

Forward C of G limit (aft of datum)	2085	82.1
Aft C of G limit (aft of datum)	2225	87.6
Short pilot position (aft of datum)	1400	55.2
Tall pilot position (aft of datum)	1460	57.5

## Control deflections in degrees

	Up	Down
Flaps	8° ± 1°	80° +10° -5°
Elevator	20° ± 1°	20° ± 1°
Ailerons	21° - 24°	17° - 21°
Rudder	Left & Right 27° ± 2°	

Ailerons move 8° ± 1° with flaps

Longitudinal datum: Nose of fuselage. This is 1900 mm (74.80 inches) forward of the wing LE at the root rib.

Horizontal datum: Rear fuselage top 1000:28 tail down

The main wheel is 79.6 inches (2022 mm) aft of datum, the tail wheel is 229.2 inches (5822 mm) aft of datum.

## Maximum speeds (IAS)

	Knots	Kph
VNE	142	263
Rough air at max weight	131	242
Winch / auto tow	67	125
More than 45° flap deflection	108	200

	Knots	Kph
Flaps down	108	200
Aerotow	100	185
Manoeuvre	100	185

Max winch weak link 500 Kg (BGA Blue 600 Kg)

Tyre pressures: Main 35 psi (2.5 Bar) Tail 28 psi (2 Bar)

Semi aerobatic (without water & less than 45° flap deflection), cloud flying permitted

## Notes: -

This sheet compiled by: Tim Macfadyen

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Address for Finnish CAA data added 17 April 2014 Web site addresses changed 18 May 2016