

BGA glider data sheet - Pik 20D

Data source: Flight Manual & EASA SAS A.024 Pik 20D

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

Drawings http://www.trafi.fi/en/aviation/airworthiness/pik-20_support/pik-20d_list_of_drawings

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 water (nil for landing)	140	309
Max weight of non-lifting components	220	485
BGA concession non-aerobatic max weight of non-lifting components [+5%]	231	509
Max pilot weight (seat load)	110	242

mm

Forward C of G limit (aft of datum)	185	
Aft C of G limit (aft of datum)	325	
Pilot position (forward of datum) with seat in forward position	500	
Pilot position (forward of datum) with seat in aft position	440	

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage top 1000:28 tail down

Maximum speeds (IAS)

	Knots	Kph
VNE	158	292
Rough air at max weight	130	240
Rough air without water	108	200
Winch / auto tow	67	125

	Knots	Kph
Flaps down	81	150
Aerotow	103	190
Manoeuvre	103	190

Max winch weak link: BGA figure Blue 600 Kg

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

Originally semi aerobatic (without water), made fully aerobatic 2016 see TCDS and SAS

Cloud flying permitted

EASA have issued a Specific Airworthiness Specification – SAS A.024 Pik 20D which is the authoritative document defining weights, speeds etc.

This sheet compiled by: Tim Macfadyen

Update: 8 Feb 2008 (pilot positions changed).

Address for Finnish CAA data added 17 April 2014

Address changed 18 May 2016

Control deflections in degrees

	Up	Down	
Flaps	12±1	16±1	
Elevator	20±1	20±1	
Ailerons	12 - 15	11.5 - 14.5	Flaps +16
	11 - 14	10 - 13	Flaps 0
	10 - 13	8.5 - 11.5	Flaps -12
	With ailerons neutral the aileron position must be the same as the flap position ±1.		
Rudder	Left & Right 33±2		

Control surfaces max free play

Elevator ±3mm with stick locked & ±1mm with push rod in fin locked.

± 2.5mm between ailerons and flaps

± 5mm between flaps

± 2.5mm both flaps moving together