

BGA glider data sheet - Blanik (Super) L-23

Data source: BGA data sheet & Flight manual Do-L23.1012.5 Dated: 1.1 1993

Manufacturer: Letecke Zavody, 68604 Kunovice, Czech Republic (Previously OLET. The Czech Republic)

Weighing Data:

	Kg	Pounds
Max weight (Serial Nos to 29003)	510	1124
BGA concession non-aerobatic max weight (dry) [+3%]	525	1158
Max weight (Serial Nos 29004 on)	530	1168
BGA concession non-aerobatic max weight (dry) [+3%]	545	1203
Maximum baggage	10	22
Max pilot weight (seat load)	110	242

mm Inches

Forward C of G limit (aft of datum)	112	4.4
Aft C of G limit (aft of datum)	325	12.8
Front pilot position (aft of datum)	1234	48.6
Rear pilot position (aft of datum)	170	6.7

Control deflections in degrees

	Up	Down		
Ailerons	34±2	13±2		
Elevator	32±2	25±1		
Trim				
Rudder	30±1 Left & right			

Longitudinal datum: Wing LE at root

Horizontal datum: Rear fuselage top 1000:51 rear down (points marked on fuselage side).

Maximum speeds

	Knots	Kph
Rough air	81*	150*
Manoeuvre	81	150
Aerotow	81	150
Winch / auto tow	65	120

VNE at altitude (feet)

	Serial Nos up to 938100		Serial Nos from 938101 onwards	
	Knots	Kph	Knots	Kph
Height feet				
0 - 13 780	135	250	124	230
13 780 - 20 000	124	230	114	211
20 000 - 25 000	116	215	105	195
25 000 - 30 000	108	200	97	180
30 000 - 35 000	100	185	89	165

*Serial No 938101 and subsequent the Max rough air speed is 86 knots, 160 Kph.

Max winch weak link: 662 kg (Blue)

Tyre pressure: Main 37 psi (2,5 Bar)

Semi aerobatic @ 510 Kg AUW. Fully aerobatic @ 420 Kg AUW (16,2 M span). Cloud flying permitted.

Span 16.2 meters Wing extensions to 18,2 M are an optional modification from Serial No 938101 onwards.

This sheet compiled by: Tim Macfadyen Date: 3 July 2003

Additions as per the flight manual 4 April 2020