

# BGA glider data sheet - Glasflügel 304C, CZ & CZ-17

Data source: FAA Web site

Date of issue: 13 Jan 2003

Manufacturer: HPH s.r.o. Karlov 197, PO Box 112, 284 01 Kutná Hora, Czech Republic

Web site

Link to mandatory mods:

## Weighing Data:

	Kg	Pounds
Max weight with water	450	992
Max weight of non lifting components (everything except wings)		
BGA concession non-aerobatic max weight of non lifting components [+5%]		
Max in baggage compartment		
Max water		
Max pilot weight (seat load)	110	242
	mm	Inches
Forward C of G limit (aft of datum)	200	7.87
Aft C of G limit (aft) 15 M span	325	12.79
Aft C of G limit (aft) 17 M span	318	12.52

## Control deflections in degrees

Glasflügel 304C			Controls max free play
	Up	Down	
Ailerons	34° ± 2°	13° ± 2°	
Elevator	32° ± 2°	27° ± 1°	
Rudder	Left & Right 29° ± 1°		

Glasflügel 304 CZ & CZ-17			
	Up	Down	
Ailerons	23° ± 2°	10° ± 2°	
Elevator	17° ± 2°	17° ± 1°	
Rudder	Left & Right 25° ± 2°		
Flaps	8° ± 1.5°	12° ± 1.5°	

Longitudinal datum: Wing root LE.

Horizontal datum: Top of rear fuselage 1000:52 rear down

## Maximum speeds

	15 meter span Glasflügel 301CZ		17 meter span Glasflügel 301CZ-17	
	Knots	Kph	Knots	Kph
VNE	135	250	135	250
Rough air	108	200	97	180
Manoeuvre	108	200	97	180
Aerotow	81	150	81	150
Flaps down	108	200	97	180
Winch / auto tow	81	150	81	150

VNE at altitude meters	VNE at altitude feet	Knots	Kph
0 - 4 000	0-13 000 feet	135	250
4 000 - 5 000	13 000 - 16 400	130	240
5 000 - 6 000	16 400 - 19 700	122	226
6 000 - 7 000	19 700 - 23 000	116	214
7 000 - 8 000	23 000 - 26 000	109	202
8 000 - 9 000	26 000 - 29 500	103	191
9 000 - 10 000	29 500 - 32 000	97	179
10 000 - 12 000	32 000 - 39 000	86	159

Notes: -

Max winch weak link: 650 Kg (Blue)

Tyre pressure: Main psi (bar), rear psi (bar)

Semi aerobatic without water. Cloud flying permitted.

Span 15 meters for 304B, 304C & 304CZ. The 304CZ-17 is 17.43 meters span.

The original Glasflügel 304B had LBA Type certificate number 335/88 and was produced by Glasflügel. The following types are produced in The Czech Republic by HPH s.r.o. -

The 304CZ is very similar to the 304B, it has flaps and trailing edge brakes. The 304CZ-17 is a 304CZ with the span extended to 17.43 meters. The 304C has no flaps, conventional brakes & 15M span.

This sheet compiled by: Tim Macfadyen Date: 21 July 2003