



Flight test report: EN 926-2:2013

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Manufacturer	Ozone Gliders	Certification number		PG_1010.2015	
Address	2, Queens Drive	Date of flight test		26. 02. 2016	
	LA46LN .				
	UK				
	D 75 VO	Olacaification		Б	
Glider model	Buzz Z5 XS	Classification		В	
Serial number	PR12-Q-50C-014	Representative		None	
Trimmer	no	Place of test		Villeneuve	
Test pilot		Light pilot under Air Turquoise supervision		Thurnheer Claude	
Harness		·		Elugacu VV Lita	
		Flugsau - XX-Lite		Flugsau - XX-Lite	
Harness to risers distance (cm)		40		40	
Distance between risers (cm)		40		42	
Total weight in flight (kg)		55		72	
4 Inflation/Tales off					
1. Inflation/Take-off		A Smooth agay and constant riging	٨	Smooth apply and constant visits	Λ
Rising behaviour	roquirod			Smooth, easy and constant rising	A
Special take off technique	required	No	А	No	Α
2. Landing	and the second	A No.		Nie	
Special landing technique		No	A	No	Α
3. Speed in straight flight		A		W	
Trim speed more than 30 k		Yes	A	Yes	A
Speed range using the controls larger than 10 km/h		Yes	A	Yes	A
Minimum speed		Less than 25 km/h	А	Less than 25 km/h	Α
4. Control movement		A			
Max. weight in flight up to	o 80 kg				
Symmetric control pressure	e / travel	Increasing / greater than 55 cm	Α	Increasing / greater than 55 cm	Α
Max. weight in flight 80 k					
Symmetric control pressure	e / travel	not available	0	not available	0
Max. weight in flight grea	ter than 100 kg				
Symmetric control pressure	e / travel	not available	0	not available	0
5. Pitch stability exiting a	ccelerated flight	Α			
Dive forward angle on exit		Dive forward less than 30°	Α	Dive forward less than 30°	Α
Collapse occurs		No	Α	No	Α
6. Pitch stability operatin flight	g controls during accelerated	Α			
Collapse occurs		No	Α	No	Α
7. Roll stability and damp	oing	Α			
Oscillations		Reducing	Α	Reducing	Α
8. Stability in gentle spira	als	Α			
Tendency to return to straig	ght flight	Spontaneous exit	Α	Spontaneous exit	Α
9. Behaviour exiting a ful	ly developed spiral dive	A			
Initial response of glider (fi	rst 180°)	Immediate reduction of rate of turn	Α	Immediate reduction of rate of turn	Α
Tendency to return to straig	ght flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	Α	Spontaneous exit (g force decreasing, rate of turn decreasing)	Α
Turn angle to recover norm	nal flight	Less than 720°, spontaneous	Α	Less than 720°, spontaneous	Α
		recovery		recovery	

Approximately 30 % chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Α	Dive forward 0° to 30° Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
•				
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
With an along the				
With accelerator	Dealing beat less than 450		Dealing healther than 45°	•
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	Α.	Spontaneous in less than 3 s	Α.
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
11. Exiting deep stall (parachutal stall)	A			
Deep stall achieved	Yes	Α	Yes	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Change of course	Changing course less than 45°	Α	Changing course less than 45°	Α
			N1	
Cascade occurs	No	Α	No	Α
12. High angle of attack recovery	A A	Α	No	А
		A	Spontaneous in less than 3 s	A
12. High angle of attack recovery	Α			
12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall	A Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
12. High angle of attack recovery Recovery Cascade occurs	A Spontaneous in less than 3 s No	Α	Spontaneous in less than 3 s	Α
12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall	A Spontaneous in less than 3 s No A	A A	Spontaneous in less than 3 s No	A A
12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit	A Spontaneous in less than 3 s No A Dive forward 0° to 30°	A A	Spontaneous in less than 3 s No Dive forward 0° to 30°	A A
12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse	A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse	A A A	Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse	A A A
12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses)	A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No	A A A A	Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No	A A A A
12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back	A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45°	A A A A	Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45°	A A A A
12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension 14. Asymmetric collapse	A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight	A A A A	Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45°	A A A A
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Α

10. Symmetric front collapse

Callanae on the annesite side accura	No (or only a small number of	٨	No (or only a small number of	۸
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
•				
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	Α	Less than 90° / Dive or roll angle 15° to 45°	Α
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
Large commetric colleges with fully activated appelarator				
Large asymmetric collapse with fully activated accelerator	00° to 180° / Divo or roll angle	D	90° to 180° / Divo or roll angle 15°	В
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	Ь
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
15. Directional control with a maintained asymmetric	A			
collapse				
Able to keep course	Yes	Α	Yes	Α
180° turn away from the collapsed side possible in 10 s	Yes	Α	Yes	Α
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	Α	More than 50 % of the symmetric control travel	Α
16. Trim speed spin tendency	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	A			
Spin occurs	No	Α	No	Α
18. Recovery from a developed spin	A			
Spin rotation angle after release	Stops spinning in less than 90°	Α	Stops spinning in less than 90°	Α
Cascade occurs	No	Α	No	Α
19. B-line stall	A			
Change of course before release	Changing course less than 45°	Α	Changing course less than 45°	Α
Behaviour before release	Remains stable with straight span	Α	Remains stable with straight span	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Cascade occurs	No	Α	No	Α
20. Big ears	A			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
21. Big ears in accelerated flight	Α			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α

Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	А	Stable flight	Α
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	Α	Yes	Α
Stall or spin occurs	No	Α	No	Α
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0

24. Comments of test pilot

Comments