

Flight test report: EN 926-2:2013+A1:2021* and NfL 2-565-20

Manufacturer	Ozone Gliders LTD	Certification number	PG_2265.2023	
Address	16 Barnes Green EH54 8PP Livingston United Kingdom	Flight test	28.09.2023	
Glider model	Zeolite 2 GT XS	Classification	D	
Serial number	PR3-Y-28D-027	Representative	Russel	
Trimmer	no	Place of test	Villeneuve	
Folding lines used	yes			
Test pilot	Philippe Dupont		Victor Chinen Cirilli	
Harness	Supair s.a.s. Altiplume S		Advance Thun AG Success 4 M	
Harness to risers distance (cm)	41		43	
Distance between risers (cm)	40		40	
Total weight in flight (kg)	60		75	
1. Inflation/Take-off	C			
Rising behaviour	Overshoots, shall be slowed down to avoid a front collapse	C	Overshoots, shall be slowed down to avoid a front collapse	C
Special take off technique required	No	A	No	A
2. Landing	A			
Special landing technique required	No	A	No	A
3. Speed in straight flight	B			
Trim speed more than 30 km/h	Yes	A	Yes	A
Speed range using the controls larger than 10 km/h	Yes	A	Yes	A
Minimum speed	25 km/h to 30 km/h	B	Less than 25 km/h	A
4. Control movement	C			
Max. weight in flight up to 80 kg				
Symmetric control pressure / travel	Increasing / 40 cm to 55 cm	C	Increasing / 40 cm to 55 cm	C
Max. weight in flight 80 kg to 100 kg				
Symmetric control pressure / travel	not available	0	not available	0
Max. weight in flight greater than 100 kg				
Symmetric control pressure / travel	not available	0	not available	0
5. Pitch stability exiting accelerated flight	A			
Dive forward angle on exit	Dive forward less than 30°	A	Dive forward less than 30°	A
Collapse occurs	No	A	No	A
6. Pitch stability operating controls during accelerated flight	A			
Collapse occurs	No	A	No	A
7. Roll stability and damping	A			
Oscillations	Reducing	A	Reducing	A
8. Stability in gentle spirals	A			
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A

9. Behaviour exiting a fully developed spiral dive			
Initial response of glider (first 180°)	D No immediate reaction	B No immediate reaction	B
Tendency to return to straight flight	Turn remains constant (g force constant, rate of turn constant)	D Turn remains constant (g force constant, rate of turn constant)	D
Turn angle to recover normal flight	With pilot action	D With pilot action	D
10. Symmetric front collapse			
Approximately 30 % chord			
Entry	Rocking back less than 45°	A Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A Spontaneous in less than 3 s	A
Dive forward angle on exit Change of course	Dive forward 0° to 30° / Keeping course	A Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A No	A
Folding lines used	Yes (Only if asked)	D Yes (Only if asked)	D
At least 50% chord			
Entry	Rocking back less than 45°	A Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A Spontaneous in 3 s to 5 s	B
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A No	A
Folding lines used	Yes (Only if asked)	D Yes (Only if asked)	D
With accelerator			
Entry	Rocking back less than 45°	A Rocking back greater than 45°	C
Recovery	Spontaneous in less than 3 s	A Spontaneous in 3 s to 5 s	B
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A No	A
Folding lines used	Yes (Only if asked)	D Yes (Only if asked)	D
11. Exiting deep stall (parachutal stall)			
Deep stall achieved	A Yes	A Yes	A
Recovery	Spontaneous in less than 3 s	A Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A Changing course less than 45°	A
Cascade occurs	No	A No	A
12. High angle of attack recovery			
Recovery	A Spontaneous in less than 3 s	A Spontaneous in less than 3 s	A
Cascade occurs	No	A No	A
13. Recovery from a developed full stall			
Dive forward angle on exit	C Dive forward 0° to 30°	A Dive forward 30° to 60°	B
Collapse	No collapse	A No collapse	A
Cascade occurs (other than collapses)	No	A No	A

Rocking back	Less than 45°	A Greater than 45°	C
Line tension	Most lines tight	A Most lines tight	A

14. Asymmetric collapse

D

Small asymmetric collapse

Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A Spontaneous re-inflation	A
Total change of course	Less than 360°	A Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A No	A
Cascade occurs	No	A No	A
Folding lines used	Yes (Only if asked)	D Yes (Only if asked)	D

Large asymmetric collapse

Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 45° to 60°	C 90° to 180° / Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A Spontaneous re-inflation	A
Total change of course	Less than 360°	A Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A No	A
Cascade occurs	No	A No	A
Folding lines used	Yes (Only if asked)	D Yes (Only if asked)	D

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 15° to 45°	A Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A Spontaneous re-inflation	A
Total change of course	Less than 360°	A Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A No	A
Cascade occurs	No	A No	A
Folding lines used	Yes (Only if asked)	D Yes (Only if asked)	D

Large asymmetric collapse with fully activated accelerator

Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 60° to 90°	D Less than 90° / Dive or roll angle 45° to 60°	C
Re-inflation behaviour	Spontaneous re-inflation	A Spontaneous re-inflation	A
Total change of course	Less than 360°	A Less than 360°	A
Collapse on the opposite side occurs	Yes, no turn reversal	C No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A No	A
Cascade occurs	No	A No	A

Folding lines used	Yes (Only if asked)	D Yes (Only if asked)	D
15. Directional control with a maintained asymmetric collapse	A		
Able to keep course	Yes	A Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency	A		
Spin occurs	No	A No	A
17. Low speed spin tendency	A		
Spin occurs	No	A No	A
18. Recovery from a developed spin	B		
Spin rotation angle after release	Stops spinning in 90° to 180°	B Stops spinning in 90° to 180°	B
Cascade occurs	No	A No	A
19. B-line stall	0		
Change of course before release	not available	0 not available	0
Behaviour before release	not available	0 not available	0
Recovery	not available	0 not available	0
Dive forward angle on exit	not available	0 not available	0
Cascade occurs	not available	0 not available	0
20. Big ears	B		
Entry procedure	Dedicated controls	A Dedicated controls	A
Behaviour during big ears	Stable flight	A Stable flight	A
Recovery	Spontaneous in less than 3 s	A Spontaneous in 3 s to 5 s	B
Dive forward angle on exit	Dive forward 0° to 30°	A Dive forward 0° to 30°	A
21. Big ears in accelerated flight	C		
Entry procedure	Dedicated controls	A Dedicated controls	A
Behaviour during big ears	Stable flight	A Unstable flight	C
Recovery	Spontaneous in less than 3 s	A Spontaneous in 3 s to 5 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A Stable flight	A
22. Alternative means of directional control	A		
180° turn achievable in 20 s	Yes	A Yes	A
Stall or spin occurs	No	A No	A
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

Ears done by B3

Ears done by B3