

Air Turquoise SA Rte du Pré-au-Comte 8 | CH-1844 Villeneuve tel. +41 21 965 65 65 | mobile +41 79 202 52 30 info@para-test.com

Flight test report: EN 926-2:2013

Manufacturer Address	Ozone Gliders 2, Queens Drive LA46LN . UK	Certification number Date of flight test		PG_0985.2015 29. 09. 2015	
Glider model	Mojo PWR XS	Classification		A	
Serial number	PR1-R-11E-011	Representative		Russel Ogden	
Trimmer	yes: closed	Place of test		Villeneuve	
Test pilot		Light pilot under Air Turquoise supervision		Thurnheer Claude	
Harness		Flugsau - XX-Lite		Flugsau - XX-Lite	
Harness to risers d	listance (cm)	41		41	
Distance between risers (cm)		40		40	
Total weight in flight (kg)		55		71	
rotal worght in mg	in (ng)			, ,	
1. Inflation/Take-off		Α			
Rising behaviour		Smooth, easy and constant rising	Α	Smooth, easy and constant rising	Α
Special take off technique	e required	No	Α	No	Α
2. Landing		Α			
Special landing technique	e required	No	Α	No	Α
3. Speed in straight flight	ht	Α			
Trim speed more than 30 km/h		Yes	Α	Yes	Α
Speed range using the controls larger than 10 km/h		Yes	Α	Yes	Α
Minimum speed		Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement		A			
Man mainte in flinks on	40 00 km				
Max. weight in flight up Symmetric control pressu		Increasing / greater than 55 cm	Α	Increasing / greater than 55 cm	Α
May waight in flight 90	ka to 100 ka				
Max. weight in flight 80		net eveileble	0	not available	0
Symmetric control pressu	ire / traver	not available	0	not available	0
Max. weight in flight gre					
Symmetric control pressu		not available	0	not available	0
5. Pitch stability exiting		A			
Dive forward angle on exi	it	Dive forward less than 30°	Α	Dive forward less than 30°	Α
Collapse occurs		No	Α	No	Α
flight	ng controls during accelerated	Α			
Collapse occurs		No	Α	No	Α
7. Roll stability and dam	nping	Α			
Oscillations		Reducing	Α	Reducing	Α
8. Stability in gentle spi		Α			
Tendency to return to stra	<u> </u>	Spontaneous exit	Α	Spontaneous exit	Α
	ully developed spiral dive	A		language disease and south and the first	
Initial response of glider (Immediate reduction of rate of turn	Α .	Immediate reduction of rate of turn	A
Tendency to return to stra	aight 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 nor	mal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α

, ,				
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 accelerator				
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
11. Exiting deep stall (parachutal stall)	A			
Deep stall achieved	Yes	Α	Yes	Α
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°	Α	Changing course less than 45°	Α
Cascade occurs	No	Α	No	Α
Cascade occurs 12. High angle of attack recovery	No A		No	
Cascade occurs 12. High angle of attack recovery Recovery	No A Spontaneous in less than 3 s	Α	No Spontaneous in less than 3 s	Α
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs	No A Spontaneous in less than 3 s No		No	
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall	No A Spontaneous in less than 3 s No A	A A	No Spontaneous in less than 3 s No	A A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit	No A Spontaneous in less than 3 s No A Dive forward 0° to 30°	A A	No Spontaneous in less than 3 s No Dive forward 0° to 30°	A A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse	A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse	A A A
Cascade occurs 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)	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No	A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No	A A A A
Cascade occurs 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45°	A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45°	A A A A
Cascade occurs 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	No 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	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No	A A A A
Cascade occurs 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45°	A A A A	No 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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Cascade occurs 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	No 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 A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight	A A A A
Cascade occurs 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 Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A Less than 90° / Dive or roll angle	A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0°	A A A A A
Cascade occurs 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 Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour Total change of course	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A Less than 90° / Dive or roll angle 0° to 15°	A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15°	A A A A A A
Cascade occurs 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 Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation	A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation	A A A A A A A
Cascade occurs 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 Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour Total change of course	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous	A A A A A A A A
Cascade occurs 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 Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation)	A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation)	A A A A A A A A A A A A A A A A A A A
Cascade occurs 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 Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No	A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No	A A A A A A A A A
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Cascade occurs 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 Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No Less than 90° / Dive or roll angle	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No Less than 90° / Dive or roll angle	A A A A A A A A A A A A A A A A A A A

Α

10. Symmetric front collapse

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	A	No	A
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 0° to 15°	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 asymmetric collapse with fully activated accelerator				
		^	Loop than 00° / Divo or roll angle	۸
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	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
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	Α	More than 50 % of the symmetric	Α
, and the stange between tank and talk of opin	symmetric control travel	,,	control travel	, ,
16. Trim speed spin tendency	Α			
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	Α			
Change of course before release	Changing course less than 45°	Α	Changing course less than 45°	Α
Behaviour before release	Remains stable with straight	Α	Remains stable with straight span	Α
	span			
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				
	A			
Entry procedure		Α	Dedicated controls	Α
Entry procedure Behaviour during big ears	Dedicated controls	A A	Dedicated controls Stable flight	A A
Behaviour during big ears	Dedicated controls Stable flight	Α	Stable flight	Α
	Dedicated controls			

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