





Flight test report: EN 926-2:2013

Manufacturer	Ozone Gliders	Certification number		PG_0879.2014	
Address	2, Queens Drive LA46LN . UK	Date of flight test		21. 08. 2014	
Glider model	Swift 4 XS	Classification		В	
Representative	None	Place of test		Villeneuve	
Trimmer	no				
Test pilot		Light pilot under Air Turquoise supervision		Dupont Philippe	
Harness		Sup' Air - Access M		Sky Paragliders - Reverse 2	S
Harness to risers di	stance (cm)	40		40	
Distance between risers (cm)		40		40	
Total weight in flight (kg)		55		70	
rotal weight in high	t (kg)	55		70	
1. Inflation/Take-off		A			
Rising behaviour		Smooth, easy and constant rising	Α	Smooth, easy and constant rising	Α
Special take off technique	required	No	Α	No	Α
2. Landing		Α			
Special landing technique	required	No	Α	No	Α
3. Speed in straight flight	t en	A			
Trim speed more than 30 km/h		Yes	Α	Yes	Α
Speed range using the con	trols 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			
Max. weight in flight up to	o 80 kg				
Symmetric control pressure	<u>-</u>	Increasing / greater than 55 cm	Α	Increasing / greater than 55 cm	Α
May waight in flight 90 k	a to 100 kg				
Max. weight in flight 80 kg Symmetric control pressure		not available	0	not available	0
Symmetric control pressure	e / llavei	not available	U	not available	U
Max. weight in flight grea	nter 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
flight	g controls during accelerated	A	^	Na	٨
Collapse occurs 7. Roll stability and damp	aina .	No A	Α	No	Α
Oscillations	onig	Reducing	۸	Poducing	Λ
8. Stability in gentle spira	ale	A	Α	Reducing	Α
Tendency to return to straig		Spontaneous exit	Α	Spontaneous exit	Α
9. Behaviour exiting a ful		A		Opontarieous exit	
Initial response of glider (fil		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 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 an along the				
With accelerator	D 1: 1 1 1 4 450		D 1: 1 11 11 15°	
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in 3 s to 5 s	В
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
Cascade occurs	No	Α	No	Α
Cascade occurs 12. High angle of attack recovery	No A	Α	No	Α
		A A	No 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
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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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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 Twist occurs Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B Less than 90° / Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No No 90° to 180° / Dive or roll angle	A A A A A A A A A A A A A A A A A A A	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 No 90° to 180° / Dive or roll angle 15°	A A A A A A A A A A A A A A A A A A A
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В

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	Α	No	Α
	No	Α	No	Α
Folding lines used	NO	А	NO	A
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°	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 asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or	90° to 180° / Dive or roll angle	В	90° to 180° / Dive or roll angle 15°	В
roll angle	15° to 45°	Ь	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 collapse	A			
Able to keep course	Yes	Α	Yes	Α
180° turn away from the collapsed side possible in 10 s	Yes	Α	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the	Α	More than 50 % of the symmetric	A
Amount of control range between turn and stall of spiri	symmetric control travel	^	control travel	^
16. Trim speed spin tendency	Α			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	Α			
Spin occurs	No	Α	No	Α
18. Recovery from a developed spin	Α			
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 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				
Cascade occurs	No	Α	No	Α
20. Big ears	No B	Α	No	Α
20. Big ears		A	No Dedicated controls	A
20. Big ears Entry procedure	B Dedicated controls	Α	Dedicated controls	
20. Big ears	B Dedicated controls Stable flight Recovery through pilot action in			Α
20. Big ears Entry procedure Behaviour during big ears Recovery	B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s	A A B	Dedicated controls Stable flight Spontaneous in 3 s to 5 s	A A B
20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30°	A A	Dedicated controls Stable flight	A A
20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight	B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° B	A A B	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30°	A A B
20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure	B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° B Dedicated controls	A B A	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° Dedicated controls	A B A
20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight	B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° B	A A B	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30°	A A B

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	Α	Stable flight	А
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