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**IFLY GLIDERS HAVACILIK** 

test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

Manufacturer



Certification number PG\_2563.2025

## Flight test report: EN 926-2:2013+A1:2021 and NfL 2024-2-785

Address	Address ESENTEPE MAH. TALA 34394 KAPI NO: 1 SISL Turkey		Flight test		06.07.2022		
Glider model	GLIDE XS		Classification		Α		
Serial number	CLST-XS45059-PP		Representative		None		
Trimmer	no		Place of test		Villeneuve		
Folding lines used	no						
. c.agcc acca							
Test pilot		Victor Chinen Cirilli			Claude Thurnheer		
Harness		Flugsau GmbH XX-Light			Advance Thun AG Success 4 M		
Harness to risers d	istance [cm]	40			43		
Distance between r		40		44			
	• •						
Total weight in fligl	nt [kg]	60		85			
1. Inflation/Take-off		Α					
Rising behaviour		Smooth, easy and co	onstant rising	Α	Smooth, easy and constant rising	Α	
Special take off technique required		No		Α	No	Α	
2. Landing		Α					
Special landing technique	e required	No		Α	No	Α	
3. Speed in straight flight	h4	Α					
Trim speed more than 30		Yes		Α	Yes	Α	
Thin speed more than 50	NIII/II	. 55		,,		,,	
Speed range using the controls larger than 10 km/h		Yes		Α	Yes	Α	
Speed range using the controls larger than 10 km/n  Minimum speed		Less than 25 km/h		Α	Less than 25 km/h	Α	
Minimum speed		Less than 25 km/m		^	Less than 25 km/n	^	
4. Control movement		Α					
Max. weight in flight up	to 80 kg						
Symmetric control pressure / travel		Increasing / greater t	than 55 cm	Α	not available	0	
Mary susiabt in flight 00	len 4a 400 len						
Max. weight in flight 80 kg to 100 kg		not available		٥	Increasing / greater than 60 cm	۸	
Symmetric control pressure / travel		not available		U	increasing / greater than oo on	^	
Max. weight in flight gre	eater than 100 kg						
Symmetric control pressu	re / travel	not available		0	not available	0	
F. Ditab4-billian military	and a sector of fill orbit	<b>A</b>					
5. Pitch stability exiting		A  Dive forward less that	an 30°	Α	Dive forward less than 30°	Α	
Dive forward angle on exi	l	Dive lorward less the	an 30	^	Dive forward less than 50	Α	
Collapse occurs		No		Α	No	Α	
6. Pitch stability operati accelerated flight	ng controls during	Α					
=		No		Α	No	Α	
Collapse occurs				^		7.	
7. Roll stability and dam	nping	Α					
Oscillations		Reducing		Α	Reducing	Α	
O Chaliffer to		Δ					
8. Stability in gentle spi		A Spontaneous evit		٨	Spontaneous exit	٨	
rendency to return to stra	ncy to return to straight flight Spontaneous exit			Α	Spontalieous exit	Α	

9. Behaviour exiting a fully developed spiral dive	<b>A</b>			
Initial response of glider (first 180°)	Immediate reduction of rate of turn	Α	Immediate reduction of rate of turn	Α
Tendency to return to straight flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	Α	Spontaneous exit (g force decreasing, rate of turn decreasing)	ı A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α
10. Symmetric front collapse Approximately 30 % chord	Α			
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 Yes	٨	Yes	٨
Deep stall achieved	Spontaneous in less than 3 s		Spontaneous in less than 3 s	A A
Recovery	Dive forward 0° to 30°	A		A
Dive forward angle on exit	Changing course less than 45°	A		A
Change of course  Cascade occurs	No		No No	A
	A	,,		^`
12. High angle of attack recovery Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Cascade occurs	No	Α	No	Α
13. Recovery from a developed full stall  Dive forward angle on exit	A Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Collapse	No collapse	Α	No collapse	Α
Cascade occurs (other than collapses)	No	Α	No	Α

Rocking back	Less than 45°	Α	Less than 45°	Α
Line tension	Most lines tight	Α	Most lines tight	Α
14. Asymmetric collapse	A			
Small asymmetric collapse				
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 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				
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
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 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
Able to keep course         Yes         A         Yes         A           180" turn awwy from the collapsed side possible in 10 a         Yes         A         Yes         A           Amount of control range between turn and stall or spin         Mare than 50 % of the symmetric control travel         A         No.         A         No.         A           16. Trim speed spin tendency Spin occurs         A         A         A         No.         A         No.         A           17. Low speed spin tendency Spin rodation angle after release         A         A         No.         A         No.         A           18. Recovery from a developed spin Spin rodation angle after release         A         A         No.         A         No.         A           Cascade occurs         No.         A         No.         A         No.         A           15. B-line stall         A         Change of course before release         Change of course less than 45°         A         Decourse of course less than 45°         A <td></td> <td>A</td> <td></td> <td></td> <td></td>		A			
Amount of control range between turn and stall or spin  16. Trim speed spin tendency No No A No A No A  17. Low speed spin tendency No No A No No A No A  17. Low speed spin tendency Spin occurs No No A No A No A  18. Recovery from a developed spin A Spin rotation angle after release No No A No A No A No A  19. B-line stall Change of course before release Renaise stable with straight spen Behaviour before release Renaise stable with straight spen Dive forward angle on exit Div		Yes	Α	Yes	Α
16. Frim speed spin tendency Spin occurs No No A	180° turn away from the collapsed side possible in 10 s	Yes	Α	Yes	Α
Spin occurs No A No A No A No A No A No A 17. Low speed spin tendency Spin occurs No A No A No A No A No A 18. Recovery from a developed spin A No A 18. Recovery from a developed spin A No A 18. Recovery from a developed spin A No A No A No A No A 18. Recovery from a developed spin A No A N	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
Spin occurs No No A No A No A No A No A Spin occurs No No A Spin occurs No No A Spin occurs No A Spin occurs No A Spin occurs A Spin occurs No A Spin occurs A Spin occurs No A Spin occurs No A Spin occurs No A Spin occurs A Spin occurs No A Spin occurs No A Spin occurs No A Spin occurs A Spin occurs No A Spin o	16. Trim speed spin tendency	A			
Spin occurs  No A No A No A  18. Recovery from a developed spin Spin rotation angle after release  Stops spinning in less than 90° A No A  19. B-line stall A Change of course before release  Change of course before release  Changing course less than 45° A Changing course less than 45° A Changing course less than 45° A Behaviour before release  Recovery Spintineous in less than 3 s A Dive forward of to 30° A No A N	Spin occurs	No	Α	No	Α
Spin rotation angle after release  Stops spinning in less than 90" A Stops			Α	No	Α
Cascade occurs  No A 19. B-line stall A 19. Dive forward or to 30° A 19. B-line stall A 19. B-li	18. Recovery from a developed spin	A			
A Change of course before release Remains stable with straight span A Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward or lo 30° A Dedicated controls A Dedicated controls A Dedicated controls A Stable flight A Stable flight A Dedicated controls A Dive forward or lo 30° A Dedicated controls A Stable flight	Spin rotation angle after release	Stops spinning in less than 90°	Α	Stops spinning in less than 90°	Α
Change of course before release  Change of course before release  Remains stable with straight span  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 Dive forward 0° to 30°  A Dedicated controls  A Dedicated controls  A Dedicated controls  A Stable flight  A Stable flight  A Dive forward 0° to 30°  A Dedicated controls  A Dedicated controls  A Dive forward on to 30°  A Dive forward on to 30°  A Dive forward on to 30°  A Dive forward on the straight span  A Stable flight  A Dive forward on to 30°  A Dedicated controls  A Dedicated controls  A Dedicated controls  A Dive forward on to 30°  A Dive forward on to 30°  A Dive forward on the straight span  A Dive forward on to 30°  A Dedicated controls  A De	Cascade occurs	No	Α	No	Α
Behaviour before release Remains stable with straight span A Remains stable with straight span A Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A Dedicated controls A Dedicated controls A Dedicated controls A Stable flight A Stable flight A Dive forward 0° to 30° A Di				0	
Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A Dedicated controls A Dedicated controls A Dedicated controls A Dedicated controls A Stable flight A Stable flight A Dive forward 0° to 30° A Dive forw	Change of course before release	Changing course less than 45°	Α	Changing course less than 45°	Α
Dive forward angle on exit  Dive forward 0° to 30°  A Dive forward 0° to 30°  A No	Behaviour before release	Remains stable with straight span	Α	Remains stable with straight span	Α
Cascade occurs  No  A  20. Big ears Entry procedure  Dedicated controls  A  Stable flight  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  Dedicated controls  A  Dive forward 0° to 30°  A  Dive forward 0° to 30°  A  Dedicated controls  A  Dive forward 0° to 30°  A  Dedicated controls  A  Stable flight  A  Recovery  Spontaneous in less than 3 s  A  Stable flight  A  Recovery  Spontaneous in less than 3 s  A  Stable flight  A  Stable flight  A  Dive forward 0° to 30°  A  Stable flight  A  Stable flight  A  Stable flight  A  Stable flight  A  Poice forward 0° to 30°  A  Dive forward 0° to 30°  A	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
20. Big ears Entry procedure Dedicated controls A Dedicated controls A Stable flight A Dive forward or to 30° A Dedicated controls A Stable flight A Stable flight A Stable flight A Dive forward or to 30° A D	Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Entry procedure  Dedicated controls  A Dedicated controls  A Stable flight  A Dive forward on the stable flight  A Dive forward on the stable flight  A Dedicated controls  A	Cascade occurs	No	Α	No	Α
Behaviour during big ears  Stable flight A Stable flight A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A Dedicated controls A Dedicated controls A Dedicated controls A Dive forward 0° to 30° A Dive forward	_				
Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward or to 30° A Dive forward 0° to 30° A Dive forward 0° to 30° A Dive forward 0° to 30° A Dedicated controls A Dedicated controls A Dedicated controls A Stable flight A Stable flight A Stable flight A Spontaneous in less than 3 s A Dive forward 0° to 30° A Dive for	Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Dive forward angle on exit  Dive forward 0° to 30°  A Dive forward 0° to 30°  A Dive forward 0° to 30°  A Dedicated controls  A Stable flight  A Stable flight  A Stable flight  A Dive forward on to 30°  A D	Behaviour during big ears	Stable flight	Α	Stable flight	Α
21. Big ears in accelerated flight Entry procedure Dedicated controls A Stable flight A Stable flight A Spontaneous in less than 3 s A Dive forward angle on exit Dive forward 0° to 30° A Dive forward angle on exit Dive forward 0° to 30° A Stable flight A Dedicated controls A Dive forward 0° to 30° A Dive	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Entry procedure  Dedicated controls A Dedicated controls A Stable flight A Sta	Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Behaviour during big ears  Stable flight  A Stable flight  A Stable flight  A Spontaneous in less than 3 s  A Spontaneous in less than 3 s  A Spontaneous in less than 3 s  A Dive forward angle on exit  Dive forward on to 30 s  A Stable flight  A Pres  A Pres  A Pres  A Pres  A No  A No  A Procedure suitable for novice pilots  Not available  O not available  O not available  O not available  O not available					
Recovery  Spontaneous in less than 3 s  A Spontaneous in less than 3 s  A Dive forward 0° to 30°  A Stable flight  A Stabl	Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Dive forward angle on exit  Dive forward 0° to 30°  A Dive forward 0° to 30°  A Dive forward 0° to 30°  A Behaviour immediately after releasing the accelerator while maintaining big ears  22. Alternative means of directional control  180° turn achievable in 20 s  Yes  A Yes  A Stable flight  A Stable flight  A Stable flight  A Yes  A Pes  A Pes  A Pes  A Pes  Procedure works as described  No  A No  A No  A No  A No  A No  Procedure works as described  Not available  O not available  O not available  O not available	Behaviour during big ears	Stable flight	Α	Stable flight	Α
Behaviour immediately after releasing the accelerator while maintaining big ears  22. Alternative means of directional control 180° turn achievable in 20 s  No A  Stall or spin occurs  No A  No A  No A  A  Stable flight A  Yes A  A  Yes A  Procedure works as described  Not available	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
while maintaining big ears  22. Alternative means of directional control A  180° turn achievable in 20 s Yes A  Stall or spin occurs No A  No A  23. Any other flight procedure and/or configuration described in the user's manual Procedure works as described not available 0 not available 0 not available 0 not available 0	Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
180° turn achievable in 20 s  Yes  A Yes  A Stall or spin occurs  No  No  A No  A  23. Any other flight procedure and/or configuration described in the user's manual  Procedure works as described  not available  0		Stable flight	Α	Stable flight	Α
Stall or spin occurs  No A No A No A  23. Any other flight procedure and/or configuration described in the user's manual Procedure works as described  not available  0 not available 0 not available 0 not available 0			^	Voc	٨
23. Any other flight procedure and/or configuration described in the user's manual  Procedure works as described not available 0 not available 0 not available 0  Procedure suitable for novice pilots not available 0 not available 0	180° turn achievable in 20 s	1 to	А	169	А
configuration described in the user's manual  Procedure works as described not available 0 not available 0  Procedure suitable for novice pilots not available 0 not available 0  O not available 0	Stall or spin occurs	No	Α	No	Α
Procedure suitable for novice pilots not available 0 not available 0	23. Any other flight procedure and/or configuration described in the user's manual	0			
Troccadio callabio for horizo piloto	Procedure works as described	not available	0	not available	0
Cascade occurs 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