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Route du Pré-au-Comte 8 🔺 CH-1844 Villeneuve 🔺 +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



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

Manufacturer Advance Thun AG Certification number PG_2176.2023 Address Utigenstrasse 87 3600 Thun Switzerland Flight test 07.02.2023 Gilder model OMEGA XA 5 ULS 22 Classification D Serial number 97109 Representative None Trimmer no Place of test Villeneuve Folding lines used yes Villeneuve Flugsau - XX-Lite Harness Villeneuve None Flugsau - XX-Lite Harness to risers distance (cm) 43 40 Distance between risers (cm) 44 44 Total weight in flight (kg) 75 90 1. Inflation/Take-off C Overshoots, shall be slowed own to avoid a front collepse C Overshoots, shall be slowed own to avoid a front collepse Special lake off technique required No A No A 2. Landing A Yes A Yes Special lake off technique required No A No A 3. Special instraight flight B Tim special using the controls larger than 10 km/h Yes A Yes Symmetric control pressure / travel not available Increasing / greater than 55 cm A not available <td< th=""><th></th></td<>	
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*This standard is NOT covered by accreditation D-IS-19457-01 Test Report generated automatically by AIR TURQUOISE SA, valid without signature Rev 07 | 04.03.2022 // ISO | 91.22 // Page 1 of 4

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 roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs	Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes 90° to 180° / 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	A A A A D B A A A A A A	Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes 90° to 180° / 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	A A A D B A A A A A
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	D			
	Most lines tight	А	Most lines tight	А
	Greater than 45°	С	Less than 45°	A
	No	A	No	A
	No collapse	A	No collapse	A
õ	Dive forward 30° to 60°	B	Dive forward 0° to 30°	A
·····	C	_		
	No	A	No	A
-	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
5 . 5 ,	A			
	No	А	No	А
-	Changing course less than 45°	А	Changing course less than 45°	А
-	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
	Yes	A	Yes	A
3 1 1 1 1 1 1 1 1 1 1	A			
	Yes	D	Yes	D
	No	А	No	А
5 S	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Recovery	Recovery through pilot action in less than a further 3 s	D	Spontaneous in 3 s to 5 s	В
	Rocking back greater than 45°	С	Rocking back less than 45°	А
With accelerator	100	U		U
	Yes	D	Yes	D
	Dive forward 30° to 60° / Keeping course No	B A	Dive forward 0° to 30° / Keeping course No	A A
,	Spontaneous in less than 3 s	A	Spontaneous in 3 s to 5 s	В
-	Rocking back less than 45°	A	Rocking back less than 45°	A
At least 50% chord				
Folding lines used	Yes	D	Yes	D
Cascade occurs	No	А	No	А
2 P	course	~	course	~
	Spontaneous in less than 3 s Dive forward 0° to 30° Keeping	A A	Spontaneous in 3 s to 5 s Dive forward 0° to 30° Keeping	B A
-	Spontanoous in loss than 3 s	۸	Spontanoous in 3 s to 5 s	D

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Re-inflation behaviour	Inflates in less than 3 s from start of pilot action	С	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
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	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	Yes	D	Yes	D
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 45° to 60°	С	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
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	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	Yes	D	Yes	D
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
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	А
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	А
17. Low speed spin tendency	Α			
Spin occurs	No	А	No	А
18. Recovery from a developed spin	В			
Spin rotation angle after release	Stops spinning in 90° to 180°	В	Stops spinning in less than 90°	А
Cascade occurs	No	А	No	А
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	Α			
Entry procedure	Standard technique	А	Standard technique	А
Behaviour during big ears	Stable flight	А	Stable flight	А
	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Recovery	-			
Recovery Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
•	Dive forward 0° to 30° A	A	Dive forward 0° to 30°	A
Dive forward angle on exit		A	Dive forward 0° to 30° Standard technique	A
Dive forward angle on exit 21. Big ears in accelerated flight	Α			
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure	A Standard technique	A	Standard technique	A
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears	A Standard technique Stable flight	A A	Standard technique Stable flight	A A
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery	A Standard technique Stable flight Spontaneous in less than 3 s	A A A	Standard technique Stable flight Spontaneous in less than 3 s	A A A
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while	A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A A	Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A A A
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears	A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	A A A	Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A A A
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears 22. Alternative means of directional control	A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A	A A A A	Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	A A A A
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears 22. Alternative means of directional control 180° turn achievable in 20 s	A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes	A A A A A	Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight Yes	A A A A
Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears 22. Alternative means of directional control 180° turn achievable in 20 s Stall or spin occurs 23. Any other flight procedure and/or configuration	A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes No	A A A A A	Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight Yes	A A A A
Dive forward angle on exit21. Big ears in accelerated flightEntry procedureBehaviour during big earsRecoveryDive forward angle on exitBehaviour immediately after releasing the accelerator while maintaining big ears22. Alternative means of directional control180° turn achievable in 20 sStall or spin occurs23. Any other flight procedure and/or configuration described in the user's manual	A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes No A	A A A A A A	Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight Yes No	A A A A A

Big ears by B3