

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	Axis Paragliding Nove Sady 39	Certification number Date of flight test		PG_0939.2015 10. 04. 2015	
	602 00 Brno Czech Republic				
Glider model	Venus 4 L	Classification		D	
Serial number	55401511L	Representative		Radek Simonik	
Trimmer	no	Place of test		Villeneuve	
Test pilot		Thurnheer Claude		Berruex Gilles	
Harness		Niviuk - Hamak M		Niviuk - Hamak XL	
Harness to risers distance (cm)		44		44	
Distance between risers (cm)		43		46	
Total weight in fligh	• •	95		120	
rotal weight in high	it (Ng)	00		120	
1. Inflation/Take-off		С			
Rising behaviour		Overshoots, shall be slowed down to avoid a front collapse	С	Easy rising, some pilot correction is required	В
Special take off technique	required	No	Α	No	Α
2. Landing		A			
Special landing technique required		No	Α	No	Α
3. Speed in straight flight		В		V	
Trim speed more than 30 I		Yes	A	Yes	A
Speed range using the controls larger than 10 km/h		Yes 25 km/h to 30 km/h	A B	Yes 25 km/h to 30 km/h	A B
Minimum speed 4. Control movement		C C	В	25 KII/II to 30 KII/II	Б
4. Control movement					
Max. weight in flight up t	to 80 kg				
Symmetric control pressure / travel		not available	0	not available	0
Max weight in flight 80 k	ra to 100 ka				
Max. weight in flight 80 kg to 100 kg Symmetric control pressure / travel		Increasing / greater than 60 cm	Α	not available	0
	0 / t. d. c.	moreasing / greater than ee em			
Max. weight in flight grea	ater than 100 kg				
Symmetric control pressur		not available	0	Increasing / 50 cm to 65 cm	С
5. Pitch stability exiting a		A			
Dive forward angle on exit		Dive forward less than 30°	A	Dive forward less than 30°	A
Collapse occurs	ng controls during accelerated	No A	Α	No	Α
flight	ig controls during accelerated	A			
Collapse occurs		No	Α	No	Α
7. Roll stability and damp	ping	A			
Oscillations		Reducing	Α	Reducing	Α
8. Stability in gentle spira		A			
Tendency to return to straight flight		Spontaneous exit	Α	Spontaneous exit	Α
9. Behaviour exiting a fu		D	_	lance distance in the control of	
Initial response of glider (fi		No immediate reaction	В	Immediate increase in rate of turn	С
Tendency to return to strai	gricingric	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 norm	nal flight	With pilot action	D	With pilot action	D

10. Symmetric front collapse	D			
Approximately 30 % chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in 3 s to 5 s	В	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° Entering a turn of less than 90°	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	Yes	D
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in 3 s to 5 s	В	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° / Entering a turn of less than 90°	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	Yes	D
With accelerator	Daaliin a la salalana Albara 450		Dealise healtheadh 450	
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Recovery through pilot action in less than a further 3 s	D	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° / Entering a turn of less than 90°	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	Yes	D
11. Exiting deep stall (parachutal stall)	Α			
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
12. High angle of attack recovery	С			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in 3 s to 5 s	С
Cascade occurs	No	Α	No	Α
13. Recovery from a developed full stall	В			
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 30° to 60°	В
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	С			
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	Not available	0
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
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	Not available	0
rodding lines daed	140	^	Not available	U
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	90° to 180° / Dive or roll angle 15° to 45°	В
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	Not available	0
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 15° to 45°	В	90° to 180° / Dive or roll angle 0° to 15°	Α
Re-inflation behaviour	Spontaneous re-inflation	Α	Inflates in less than 3 s from start of pilot action	С
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	Yes, no turn reversal	С	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	С			
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 symmetric control travel	Α	25 % to 50 % of the symmetric control travel	С
16. Trim speed spin tendency	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	A			
Spin occurs	No	Α	No	Α
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°	Α
Cascade occurs	No	Α	No	Α
19. B-line stall	A			
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	No	Α	No	Α
20. Big ears	C	•		, ,
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Unstable flight	С	Stable flight	Α
Recovery	Spontaneous in less than 3 s		Spontaneous in 3 s to 5 s	В
Dive forward angle on exit	Dive forward 0° to 30°	A A	Dive forward 0° to 30°	А
21. Big ears in accelerated flight	C C	٨	Dive idiwald 0 to 30	^
	Dedicated controls	Α	Dedicated controls	Λ
Entry procedure Behaviour during big ears	Unstable flight	C	Stable flight	A A
Recovery	Spontaneous in 3 s to 5 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
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Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	А	Stable flight	Α
22. Alternative means of directional control	A			
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