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Mac Para Technology

Televizní 2615

test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

Manufacturer

Address



Certification number PG_2524.2025

20.02.2025

Flight test

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

Address	756 61 Roznov pod F Czech Republic	Radhostem	r light test		20.02.2023	
Glider model	Eden 8 28		Classification		В	
Serial number	2828-2008		Representative		None	
Trimmer	no		Place of test		Villeneuve	
Folding lines used	no					
Test pilot	-		heer		Anselm Rauh	
Harness		Advance Thu	Advance Thun AG Success 4 M		Woody Valley srl Wani Light 2 L	
Harness to risers d	listance [cm]	43			43	
Distance between i		44			48	
Total weight in fligl	ht [kg]	90			114	
1. Inflation/Take-off		В				
Rising behaviour		Easy rising, some pi	lot correction is required	В	Easy rising, some pilot correction is required	В
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		A			W	
Trim speed more than 30	km/h	Yes		Α	Yes	Α
Speed range using the co	ontrols 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		Α				
Max. weight in flight up	to 80 kg					
Symmetric control pressure / travel		not available		0	not available	0
Max. weight in flight 80 kg to 100 kg Symmetric control pressure / travel		Increasing / greater	than 60 cm	Α	not available	0
Max. weight in flight greater than 100 kg Symmetric control pressure / travel		not available		0	Increasing / greater than 65 cm	Α
5. Pitch stability exiting	accelerated flight	Α				
Dive forward angle on ex	it	Dive forward less that	an 30°	Α	Dive forward less than 30°	Α
Collapse occurs		No		Α	No	Α
6. Pitch stability operati	ing controls during	Α				
Collapse occurs		No		Α	No	Α
7 Poll stability and dam	ning	A				
7. Roll stability and dam Oscillations	iping	Reducing		Α	Reducing	Α
O SOM CHICAGO						,
8. Stability in gentle spirals		Α				
Tendency to return to stra	aight flight	Spontaneous exit		Α	Spontaneous exit	Α

Intellal response of gliciar (first 1801*) No intredictor reaction Spontaneous start (from decreasing, rate of tun As Sportaneous and glore decreasing, rate of tun As Sportaneous fectowery B Recovery Book forward dangle on exit Change of course Direc forward of to 301 / Keeping cruse As No Cassade occurs No No No No As No As No As No As Sportaneous in less than 451 As Sportaneous in less than 452 As Sportaneous in less than 452 As Recovery Spontaneous in less than 451 As Recovery Spontaneous in less than 451 As Recovery Spontaneous in less than 452 As No As N	9. Behaviour exiting a fully developed spiral dive	В			
decreasing) decreasing) Leas then 72IV, eposteneous incovery B A 700* to 1 88IV, sporteneous recovery B Approximately 30 % chord Ently Rossking back less than 45° Rossking lands less tha	Initial response of glider (first 180°)	No immediate reaction	В	No immediate reaction	В
BApproximately 30 % chord Entry Recovery Spontaneous in less than 45° A Rosking back less than 45° A Spontaneous in less than 3 s A No A	Tendency to return to straight flight		Α		Α
Approximately 30 % chord Entry Recovery Scontaneous in less than 45° A Scontaneous in less than 45° A Scontaneous in less than 3 S A No A	Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Α	720° to 1 080°, spontaneous recovery	В
Recovery Spontaneous in less than 3 s	10. Symmetric front collapse Approximately 30 % chord	В			
Dive forward angle on exit Change of course Dive forward 0" to 30" / Keeping course A No A N	Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Cascade occurs No A No	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Folding lines used At least 50% chord At lea	Dive forward angle on exit Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
A Rocking back less than 45° A Spontaneous in less than 3 s A Spontaneous in 3 s to 5 s E Dive forward angle on exit / Change of course No A No	Cascade occurs	No	Α	No	Α
Recovery Spontaneous in less than 45" A Rocking back less than 45" A Spontaneous in 3 s to 5 s E Dive forward of to 30" / Keeping course A Dive forward of to 30" / Keeping course A No A N	Folding lines used	No	Α	No	Α
Recovery Spontaneous in less than 3 s A Spontaneous in 3 s to 5 s E Dive forward 0" to 30" / Keeping course A Dive forward 0" to 30" / Keeping course A No A Rocking back less than 45" A Rocking back less than 45" A Spontaneous in 3 s to 5 s E Dive forward 0" to 30" / Keeping course Entry Recovery Spontaneous in less than 3 s A Spontaneous in 3 s to 5 s E Dive forward 0" to 30" / Keeping course A Dive forward 0" to 30" / Keeping course A Dive forward 0" to 30" / Keeping course A No A Spontaneous in less than 3 s A Spontaneous in less than 45" A Dive forward 0" to 30" A No A	At least 50% chord	Rocking back less than 45°	Α	Rocking back less than 45°	A
Dive forward angle on exit / Change of course Dive forward 0" to 30" / Keeping course A Dive forward 0" to 30" / Keeping course A No	•	-			В
Cascade occurs No A No	·	Dive forward 0° to 30° / Keeping course	Α		Α
Folding lines used Mith accelerator Entry Rocking back less than 45° A Dive forward 0° to 30° / Keeping course Cascade occurs No A No A No A Rocking back less than 45° A Rocking back les	•	No	Α	No	Α
Mith accelerator Entry Rocking back less than 45° A Spontaneous in 3 s to 5 s E Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A N		No	Α	No	Α
Recovery Spontaneous in less than 3 s A Spontaneous in 3 s to 5 s E Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A No A No A No A No A Yes Recovery Spontaneous in less than 3 s A Yes A Yes A Yes A Yes A Yes Change of course Changing course less than 45° A Changing course less than 45° A No A No A No A No A No A No A Spontaneous in less than 3 s A Changing course less than 45° A Changing course less than 45° A Changing course less than 45° A No A	With accelerator				
Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A Yes A Yes A Yes A Yes A Yes A Yes A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A No A N	Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Cascade occurs No A No	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in 3 s to 5 s	В
Folding lines used No A No	Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes A Yes A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A Dive forward 0° to 30° A Dive forward 0° to 30° A Changing course less than 45° A Changing course less than 45° A Changing course less than 45° A No A No A Spontaneous in less than 3 s A No Collapse	Cascade occurs	No	Α	No	Α
Deep stall achieved Yes A Yes A Yes A Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A Changing course less than 45° A Changing course less than 45° A No A No A No A Spontaneous in less than 3 s A No A No	Folding lines used	No	Α	No	Α
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 Dive forward 0° to 30° A Changing course less than 45° A Changing course less than 45° A No A No A No A No A Spontaneous in less than 3 s A Changing course less than 45° A No A No A No A No A Spontaneous in less than 3 s A No A N	11. Exiting deep stall (parachutal stall)				
Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 30° A Changing course less than 45° A Changing course less than 45° A Changing course less than 45° A No A No A No A No A Spontaneous in less than 3 s A Spontaneous in less than 3 s A No Collapse No collapse A No collapse	Deep stall achieved				A
Change of course Changing course less than 45° A Changing course less than 45° A No A No A No A No A No A Spontaneous in less than 3 s A Spontaneous in less than 3 s A No Collapse	Recovery		Α		Α
Cascade occurs No A No	Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
12. High angle of attack recovery Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A No A No A No A No A Dive forward 30° to 60° E Collapse No collapse A No collapse	Change of course	Changing course less than 45°	Α	Changing course less than 45°	Α
Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Spontaneous in less than 3 s A No A No A No A No Cascade occurs No A No A Dive forward 30° to 60° E Collapse No collapse A No collapse	Cascade occurs	No	Α	No	Α
13. Recovery from a developed full stall Dive forward angle on exit Dive forward 0° to 30° A Dive forward 30° to 60° E Collapse No collapse A No collapse	12. High angle of attack recovery Recovery		Α	Spontaneous in less than 3 s	А
Dive forward angle on exit Dive forward 0° to 30° A Dive forward 30° to 60° E Collapse No collapse A No collapse A	Cascade occurs	No	Α	No	Α
	13. Recovery from a developed full stall Dive forward angle on exit		Α	Dive forward 30° to 60°	В
Cascade occurs (other than collapses) No A No A	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		Most lines tight	Α
14. Asymmetric collapse	В			
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 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				
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	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	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	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	А
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
16. Trim speed spin tendency	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency Spin occurs	A No	Α	No	Α
40 December a developed anim	В			
18. Recovery from a developed spinSpin 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	В			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Spontaneous in 3 s to 5 s	В	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	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Spontaneous in 3 s to 5 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
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	Α	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