para-test.com paragliding by air turquoise

Sky Paragliders a.s.

Okružní 39

PG_0497.2011

28. 10. 2011

AIR TURQUOISE SA certified by



Flight test report: EN

Manufacturer

Address

Representative Glider modelnonePlace of testVilleneuveGlider model Glider modelAnakis 2 MClassificationBTrimmernoBTest pilotFukuoka Seiko HarnessThurnheer Claude Gin Gliders - Geni III MTest pilotFukuoka SeikoThurnheer Claude Gin Gliders - Geni III MTotal weight in flight (kg)73951. Inflation/Take-offARising behaviourSmooth, easy and constant rising AASmooth, easy and constant rising AASpecial take off technique requiredNoANoA2. Landing Special taking technique requiredAYesAYesASpecial landing technique requiredNoANoA3. Speed in straight flight Minimum speedYesAYesA4. Control movement Max. weight in flight 80 kg to 100 kgKessitan 25 km/hALess than 25 km/hAMax. weight in flight 80 kg to 100 kgSymmetric control pressure / travelIncreasing / greater than 55 cmAnot available0Increasing / greater than 60 cmAMax. weight in flight greater than 100 kgNot availableOIncreasing / greater than 60 cmAMax. weight in flight greater than 100 kgNot availableOIncreasing / greater than 60 cmASymmetric control pressure / travelnot availableOnot availableOMax. weight in flight greater than 100 kgNota
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Symmetric control pressure / travel not available 0 not available 0
5. Pitch stability exiting accelerated flight A
Dive forward angle on exitDive forward less than 30°ADive forward less than 30°A
Collapse occurs No A No A
6. Pitch stability operating controls during accelerated A flight
Collapse occurs No A No A
7. Roll stability and damping A
Oscillations Reducing A Reducing A
8. Stability in gentle spirals A
Tendency to return to straight flight Spontaneous exit A Spontaneous exit A
9. Behaviour in a steeply banked turn B
Sink rate after two turns12 m/s to 14 m/sAMore than 14 m/sB
10. Symmetric front collapse A
EntryRocking back less than 45°ARocking back less than 45°A
Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A
Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping A Dive forward 0° to 30° / Keeping A course course course course course
Cascade occurs No A No A

Certification number

Date of flight test

Cascade occurs With accelerator Entry Recovery

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А

А

Rocking back less than 45°

Spontaneous in less than 3 s

А

А

Rocking back less than 45°

Spontaneous in less than 3 s

Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	А	No	А
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Change of course	Changing course less than 45°	А	Changing course less than 45°	А
Cascade occurs	No	А	No	А
12. High angle of attack recovery	Α			
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Cascade occurs	No	А	No	А
13. Recovery from a developed full stall	Α			
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Collapse	No collapse	А	No collapse	А
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	А	Most lines tight	А
14. Asymmetric collapse	В			
With 50% collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15° $$	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 75% collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45° $$	A	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	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 50% collapse and accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 15° to 45°	A
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	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 75% collapse and accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 15° to 45°	A
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	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
15. Directional control with a maintained asymmetric	Α			
collapse				
Able to keep course	Yes	А	Yes	Α
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	Α
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	A

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	А			
Spin rotation angle after release	Stops spinning in less than 90 $^\circ$	Α	Stops spinning in less than 90°	А
Cascade occurs	No	Α	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	А	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	Α	No	А
20. Big ears	Α			
Entry procedure	Dedicated controls	Α	Dedicated controls	А
Behaviour during big ears	Stable flight	Α	Stable flight	А
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	А
21. Big ears in accelerated flight	Α			
Entry procedure	Dedicated controls	Α	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	А
22. Behaviour exiting a steep spiral	Α			
Tendency to return to straight flight	Spontaneous exit	А	Spontaneous exit	А
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	А
Sink rate when evaluating spiral stability [m/s]	16		16	
23. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	Α	No	А
24. 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
25. Comments of test pilot				
Comments				