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test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



## Paraglider inspection certificate

Inspection certificate number:

PG\_2583.2025

Manufacturer name:	Sky Paragliders a.s.		
Representative:	Mr. Michal Sotek		
Street:	Okružní 39		
Post code / place:	73911 Frýdlant nad C	Istravicí	
Country:	Czech Republic		
Sample data			
Name:	Apollo 3 light	Size:	S
Min weight in flight [kg]:	57	Max weight in flight [kg]:	78
Weight [kg]:	3.2	Number of seat:	Single-seate
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number:	2958-11-0930	Date of reception:	27.11.2024
Test report summary	Result	Place	Date of test
91.23   Shock loading test:	Test done on size XL	, inspection PG_2587.2025	31.07.2024
91.23   Sustained loading test:	Test done on size XL	, inspection PG_2587.2025	01.08.2024
91.22   Flight test:	В	Villeneuve	05.12.2024
91.24   Measurement:	POSITIVE	Villeneuve	10.12.2024
91.27   Suspension line calculation:	POSITIVE	Villeneuve	13.05.2025
Issue data			
	Villeneuve		
Place of declaration:	Thickey		
Place of declaration: Date of issue:	14.05.2025		

This signature approves the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test reports are applicable). Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

EN926-2:2013+A1:2021, EN926-1:2015 and NfL 2024-2-785

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#### Classification: **B**

In accordance with standards: EN 926-1:2015, EN 926-2:2013+A1:2021 and NfL 2024-2-785 Date of issue (DMY):	PG_2583.2025 14.05.2025
Manufacturer:	Sky Paragliders a.s.
Model:	Apollo 3 light S
Serial number:	2958-11-0930

### Configuration during flight tests

Paraglider	Accessories
Maximum weight in flight [kg] 78	Range of speed system [cm] 14.2
Minimum weight in flight [kg] 57	Speed range using brakes [km/h] 12
Glider's weight [kg] 3.2	Total speed range with accessories [km/h] 24
Number of risers 3+1	Range of trimmers [cm] n/a
Projected area [m <sup>2</sup> ] <b>18.42</b>	
Harness used for testing (max weight)	Inspections (whichever happens first)
Harness type ABS	once a year or after 100 flight hours, and anytime
Harness brand Advance Thun AG	there is the slightest change in flight characteristics
Harness model Success 4 M	Person or company having presented the
Harness to risers distance [cm] 43	glider for testing: None
Distance between risers [cm] 40	
1 2 3 4 5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20 21 22 23
<b>B A B A A A A A B B A</b>	A A B A A A B A A A 0

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Manufacturer Address	Sky Paragliders a.s. Okružní 39 73911 Frýdlant nad O	ostravicí	Certification numb Flight test	ber	PG_2583.2025 05.12.2024	
Glider model Serial number Trimmer Folding lines used	Czech Republic Apollo 3 light S 2958-11-0930 no no		<b>Classification</b> Representative Place of test		<b>B</b> None Villeneuve	
Test pilot		Victor Chinen	Cirilli		Claude Thurnheer	
Harness Harness to risers d Distance between r		Flugsau Gmb⊦ 40 40	1 XX-Light		Advance Thun AG Success 4 M 43 40	
Total weight in fligh	nt [kg]	57			78	
<b>1. Inflation/Take-off</b> Rising behaviour		<b>B</b> Easy rising, some pilot	t correction is required	В	Easy rising, some pilot correction is required	В
Special take off technique	required	No		A	No	A
<b>2. Landing</b> Special landing technique	required	<b>A</b> No		A	No	A
<b>3. Speed in straight fligh</b> Trim speed more than 30		<b>B</b> Yes		A	Yes	A
Speed range using the co	ntrols larger than 10 km/h	Yes		A	Yes	A
Minimum speed		Less than 25 km/h		A	25 km/h to 30 km/h	В
4. Control movement Max. weight in flight up Symmetric control pressu		A Increasing / greater the	an 55 cm	A	Increasing / greater than 55 cm	A
Max. weight in flight 80 Symmetric control pressu		not available		0	not available	0
Max. weight in flight gre Symmetric control pressu		not available		0	not available	0
<b>5. Pitch stability exiting</b> Dive forward angle on exi		<b>A</b> Dive forward less than	30°	A	Dive forward less than 30°	А
Collapse occurs		No		A	No	A
6. Pitch stability operati accelerated flight	ng controls during	Α				
Collapse occurs		No		A	No	A
7. Roll stability and dam Oscillations	ping	<b>A</b> Reducing		A	Reducing	A
8. Stability in gentle spin Tendency to return to stra		A Spontaneous exit		A	Spontaneous exit	А

9. Behaviour exiting a fully developed spiral dive	В			
Initial response of glider (first 180°)	Immediate reduction of rate of turn	A	No immediate reaction	В
Tendency to return to straight flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	A	Spontaneous exit (g force decreasing, rate of turn decreasing)	A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	A
10. Symmetric front collapse Approximately 30 % chord	В			
Entry	Rocking back less than 45°	A	Rocking 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 course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
At least 50% chord Entry	Rocking back less than 45°	A	Rocking 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 course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
With accelerator				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in 3 s to 5 s	В
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	A	No	А
Folding lines used	No	A	No	A
11. Exiting deep stall (parachutal stall)	A Yes	Δ	Yes	A
Deep stall achieved	Spontaneous in less than 3 s		Spontaneous in less than 3 s	A
Recovery	Dive forward 0° to 30°	A		A
Dive forward angle on exit	Changing course less than 45°	A		A
Change of course	No		No	A
		~		~
12. High angle of attack recovery Recovery	A Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
<b>13. Recovery from a developed full stall</b> Dive forward angle on exit	A Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapses)	No	A	No	A

Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	А	Most lines tight	A
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 0° to 15°	A	Less than 90° / Dive or roll angle 15° to 45° $$	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A	No	А
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45° $$	A	Less than 90° / Dive or roll angle 15° to 45° $$	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	A
Cascade occurs	No	A	No	A

Folding lines used	Νο	A	No	A
15. Directional control with a maintained	Α			
asymmetric collapse Able to keep course	Yes	А	Yes	А
' 180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel		More than 50 % of the symmetric control travel	A
<b>16. Trim speed spin tendency</b> Spin occurs	A No	A	No	A
17. Low speed spin tendency Spin occurs	A No	A	No	A
18. Recovery from a developed spin	В			
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in 90° to 180°	в
Cascade occurs	No	A	No	A
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears	Α			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	A	Stable flight	А
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
21. Big ears in accelerated flight	A			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	А	Stable flight	А
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°	А	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
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

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## Paraglider inspection certificate

Inspection certificate number:

PG\_2584.2025

Manufacturer name:	Sky Paragliders a.s.		
Representative:	Mr. Michal Sotek		
Street:	Okružní 39		
Post code / place:	73911 Frýdlant nad O	stravicí	
Country:	Czech Republic		
Sample data			
Name:	Apollo 3 light	Size:	SM
Min weight in flight [kg]:	70	Max weight in flight [kg]:	92
Weight [kg]:	3.4	Number of seat:	Single-seate
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number:	2955-11-0771	Date of reception:	10.07.2024
Test report summary	Result	Place	Date of test
91.23   Shock loading test:	Test done on size XL	inspection PG_2587.2025	31.07.2024
91.23   Sustained loading test:	Test done on size XL	inspection PG_2587.2025	01.08.2024
91.22   Flight test:	В	Villeneuve	07.08.2024
91.24   Measurement:	POSITIVE	Villeneuve	19.08.2024
91.27   Suspension line calculation:	POSITIVE	Villeneuve	13.05.2025
Issue data			
	Villeneuve		
Issue data	Villeneuve 14.05.2025		
Issue data Place of declaration:			

This signature approves the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test reports are applicable). Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

EN926-2:2013+A1:2021, EN926-1:2015 and NfL 2024-2-785

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#### Classification: **B**

In accordance with standards: EN 926-1:2015, EN 926-2:2013+A1:2021 and NfL 2024-2-785 Date of issue (DMY):	PG_2584.2025 14.05.2025
Manufacturer:	Sky Paragliders a.s.
Model:	Apollo 3 light SM
Serial number:	2955-11-0771

### Configuration during flight tests

Paraglider	Accessories
Maximum weight in flight [kg] 92	Range of speed system [cm] 14.7
Minimum weight in flight [kg] 70	Speed range using brakes [km/h] 12
Glider's weight [kg] 3.4	Total speed range with accessories [km/h] 24
Number of risers 3+1	Range of trimmers [cm] n/a
Projected area [m <sup>2</sup> ] <b>20.27</b>	
Harness used for testing (max weight)	Inspections (whichever happens first)
Harness type ABS	once a year or after 100 flight hours, and anytime
Harness brand Advance Thun AG	there is the slightest change in flight characteristics
Harness model Success 4 M	
	Person or company having presented the glider for testing: <b>None</b>
Harness to risers distance [cm] 43	gider for testing. None
Distance between risers [cm] 44	
1 2 3 4 5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20 21 22 23
<b>B A B A A A A A B B A</b>	<b>A A B A A A B A A A A 0</b>

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Manufacturer Address	Sky Paragliders a.s. Okružní 39 73911 Frýdlant nad O	stravicí	Certification num Flight test	ibei	PG_2584.2025 07.08.2024	
Glider model Serial number Trimmer Folding lines used	Czech Republic <b>Apollo 3 light SM</b> 2955-11-0771 no no		<b>Classification</b> Representative Place of test		<b>B</b> None Villeneuve	
Test pilot		Victor Chinen	Cirilli		Claude Thurnheer	
Harness Harness to risers d Distance between r		Advance Thun 43 40	AG Success 4 M		Advance Thun AG Success 4 N 43 44	1
Total weight in fligh	nt [kg]	70			92	
1. Inflation/Take-off Rising behaviour		<b>B</b> Easy rising, some pilo	t correction is required	В	Easy rising, some pilot correction is required	В
Special take off technique	required	No		А	No	А
<b>2. Landing</b> Special landing technique	required	<b>A</b> No		A	No	A
<b>3. Speed in straight fligh</b> Trim speed more than 30		<b>B</b> Yes		A	Yes	A
Speed range using the co	ntrols larger than 10 km/h	Yes		A	Yes	A
Minimum speed		Less than 25 km/h		A	25 km/h to 30 km/h	В
4. Control movement Max. weight in flight up Symmetric control pressu		A Increasing / greater th	an 55 cm	A	not available	0
Max. weight in flight 80 Symmetric control pressu		not available		0	Increasing / greater than 60 cm	A
Max. weight in flight gre Symmetric control pressu	-	not available		0	not available	0
<b>5. Pitch stability exiting</b> Dive forward angle on exi		A Dive forward less than	1 30°	A	Dive forward less than 30°	А
Collapse occurs		No		A	No	A
6. Pitch stability operati accelerated flight	ng controls during	Α				
Collapse occurs		No		A	No	A
7. Roll stability and dam Oscillations	ping	<b>A</b> Reducing		A	Reducing	A
8. Stability in gentle spin Tendency to return to stra		<b>A</b> Spontaneous exit		A	Spontaneous exit	А

Initial response of gliber (first 100')Immetiate institution of tex of time o	9. Behaviour exiting a fully developed spiral dive	В			
Intra angle for recover normal flight         220' tri 1001' sportaneous recovery         B         I less tran 720' sportaneous recovery         A           Consymmetric front collapse Approximately 30 % chord         B         - <td>Initial response of glider (first 180°)</td> <td>Immediate reduction of rate of turn</td> <td>A</td> <td>No immediate reaction</td> <td>В</td>	Initial response of glider (first 180°)	Immediate reduction of rate of turn	A	No immediate reaction	В
Origonation from collapse       B         Consummation from collapse       B         Entry       Recovery       Bysentaneous in less than 3 s       A       Recovery       Bysentaneous in less than 3 s       A       Systemateous in less than 3 s       A         Dive forward angle on exit Change of course       Dive toward 0 to 30' / Keeping course       A       No       A       No       A         Cascade occurs       No       A       No       A       No       A         Folding lines used       No       A       No       A       No       A         Recovery       Recovery       Recovery of to 30' / Keeping course       A       No       A         Recovery       Recovery       Recovery of to 30' / Keeping course       A       No       A         Dive forward angle on exit / Change of course       No       A       No       A       A         Cascade occurs       No       No       A       No       A       No       A         Cascade occurs       No       No       A       No       A       No       A         Cascade occurs       No       No       A       No       A       A       No       A         Cascade occurs </td <td>Tendency to return to straight flight</td> <td></td> <td>A</td> <td></td> <td>A</td>	Tendency to return to straight flight		A		A
Approximately 39 % chord       Recovery       Recover	Turn angle to recover normal flight	720° to 1 080°, spontaneous recovery	В	Less than 720°, spontaneous recovery	A
RecoverySpontameous in less than 3 sASpontameous in Vasit Han 3 sADive forward angle on exit Change of courseDive forward 0 to 307 / Keeping courseADive forward 0 to 307 / Keeping courseACascade occursNoANoANoAFolding lines usedNoANoANoAAt less 50% chordEntryRocking back less flam 45°ARocking back less flam 45°ASpontameous in 16 sto 5 sBDive forward angle on exit / Change of courseDive forward 0° to 307 / Keeping courseANoASpontameous in 16 sto 5 sBDive forward 0° to 307 / Keeping courseANoANoASpontameous in 16 sto 5 sBDive forward 0° to 307 / Keeping courseANoANoAACascade occursNoANoANoAFolding lines usedNoANoASpontameous in 16 sto 5 sBDive forward 0° to 307 / Keeping courseANoANoACascade occursNoANoANoARecoverySpontameous in less than 45°ASpontameous in 16 sto 5 sBDive forward 10 to 307 / Keeping courseANoANoACascade occursNoANoANoAFolding lines usedNoNoANoAACascade occursNoANoA <td></td> <td>В</td> <td></td> <td></td> <td></td>		В			
Dive forward angle on exit Change of courseDive forward 0° to 30° / Keeping courseANoACaecade occursNoANoANoAFolding lines usedNoANoANoAAl least 50% chordTRusching back less than 45°ARudong back less than 45°ARudong back less than 45°ARuscoverySpontaneous in less than 3 sASpontaneous in 3 s to 5 sBDive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseANoACaecade occursNaNaNoANoAFolding lines usedNoANoARecoveryAFolding lines usedNaNoANoAAWith acceleratorEntryRocking back less than 40°ARocking back less than 40°ARecoverySpontaneous in less than 3 sASpontaneous in 5 s to 5 sBDive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseARecoverySpontaneous in less than 3 sANoACaecade occursNoANoANoPole forward 0° to 30°Keeping courseANoACaecade occursNoANoAACaecade occursNoANoAACaecade occursNoANoAACaecade occursNoANo	Entry	Rocking back less than 45°	A	Rocking back less than 45°	А
Cascade occursNoANoANoAFolding lines usedNoANoANoAAt least 50% chord EntryRocking back less than 45"ARocking back less than 45"ARocking back less than 45"ARecoverySpontamous in less than 3 sASpontamous in 3 s to 5 sBDive forward angle on ext / Change of courseDive forward 0" to 30" / Keeping courseANoAFolding lines usedNoANoANoAFolding lines usedNoANoAAWith acceleratorEntryRocking back less than 40"ARocking back less than 40"ARecoverySpontamous in less than 3 sARocking back less than 40"ANoAPict forward angle on ext / Change of courseDive forward 0" to 30" / Keeping courseANoARecoverySpontamous in less than 3 sASpontamous in 3 s to 5 sBDive forward angle on ext / Change of courseNoANoACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAA<	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Folding lines used     No     A     No     A       All less 15% chord     Findy     Rocking back less than 45°     A     Rocking back less than 45°     A       Recovery     Sportameous in less than 3 s     A     Scortameous in 3 s to 5 s     B       Dive forward angle on exit / Change of course     Dive forward 0° to 30° / Keeping course     A     No     No     A       Cascade occurs     No     A     No     No     A       Folding lines used     No     A     Rocking back less than 45°     A       With accelerator     E     Fordameous in less than 3 s     A     Rocking back less than 45°     A       Poly forward angle on exit / Change of course     Dive forward 0° to 30° / Keeping course     A     Rocking back less than 45°     A       Recovery     Sportameous in less than 3 s     A     Sportameous in 3 s to 5 s     B       Dive forward angle on exit / Change of course     Dive forward 0° to 30° / Keeping course     A     No       Cascade occurs     No     A     No     A     No       Folding lines used     No     A     No     A     A       Recovery     A     No     A     No     A       Dive forward 10° to 30°     A     No     A     A       Recover	Dive forward angle on exit Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
All last 50% chord       Entry       Rocking back less than 45°       A       Rocking back less than 45°       A       Rocking back less than 45°       A         Recovery       Sportamous in less than 3 s       A       Sportamous in 3 s to 5 s       B         Dive forward 0° to 30° / Keeping course       A       No       A       No       A         Cascade occurs       No       A       No       A       No       A         Vith accelerator       Vith accelerator       Sportamous in less than 3 s       A       Sportamous in 3 s to 5 s       B         Dive forward 0° to 30° / Keeping course       A       No       A       No       A         Recovery       Rocking back less than 45°       A       Rocking back less than 3 s       A       Sportamous in 3 s to 5 s       B         Dive forward 0° to 30° / Keeping course       A       No       A       A         Recovery       No       A       No       A       A         Cascade occurs       No       A       No       A       A         Cascade occurs       No       A       No       A       A         Polding lines used       No       A       No       A       A         Recovery       R	Cascade occurs	No	A	No	A
Entry     Rocking back less than 49°     A     Rocking back less than 49°     A     Rocking back less than 49°     A       Recovery     Spontaneous in less than 3 s     A     Spontaneous in 3 s to 5 s     B       Dive forward angle on exit / Change of course     No     A     No     A       Folding lines used     No     A     No     A       With accelerator     No     A     No colverad 0° to 30° / Keeping course     A       Entry     Rocking back less than 45°     A     Rocking back less than 45°     A     Spontaneous in less than 35     A     Spontaneous in 3 s to 5 s     B       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       Cascade occurs     No     No     A     No     A     A       Fedorag tall (parachutat stall)     No     A     No     A     A       Cascade occurs     Change or course     A     No     A     A       Recovery     Dive forward 0° to 30°     A     No     A     A       Cascade occurs     No     A     No     A     A       Cascade occurs     Cascade occurs     No     A     Dive forward 0° to 30°     A	Folding lines used	No	A	No	A
Netword Dive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseADive forward 0° to 30° / Keeping courseACascade occursNoANoAFolding lines usedNoANoAWith acceleratorEEEEntryRocking back less than 45°ARocking back less than 45°ARecoverySpontaneous in less than 3 sASpontaneous in 3 s to 5 sBDive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseARocking lines usedNoANoACascade occursNoANoAFolding lines usedNoANoAFolding lines usedNoANoAEcoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exit / Change of courseANoAFolding lines usedNoANoAEcoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ANoAChange of courseChanging course less than 45°ASpontaneous in less than 3 sAChange of courseNoANoANoACascade occursNoANoANoACascade occursNoANoANoACascade occursNo <t< td=""><td></td><td>Rocking back less than 45°</td><td>A</td><td>Rocking back less than 45°</td><td>A</td></t<>		Rocking back less than 45°	A	Rocking back less than 45°	A
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Folding lines used       No       A       No       A       A         With accelerator       Entry       Rooking back less than 45°       A       Rooking back less than 45°       A         Entry       Spontaneous in less than 3 s       A       Spontaneous in 3 s to 5 s       B         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       A       No       A       No       A         Folding lines used       No       A       No       A       A         Dive forward 0° to 30° / Keeping course       A       Yes       A       No       A         Folding lines used       No       A       No       A       A         Dive forward 10 to 30° / Keeping course       A       Yes       A       No       A         Recovery       No       A       No       A       No       A       A         Change of course       Changing course less than 3 s       A       Spontaneous in less than 3 s       A       A         Change of course       No       A       No       A       No       A       A         Cascade occurs<	Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
With accelerator         With accelerator         Entry       Rocking back less than 45°       A Rocking back less than 45°       A         Recovery       Spontaneous in less than 3 s       A Spontaneous in 3 s to 5 s       B         Dive forward angle on exit / Change of course       Dive forward 0° to 30° / Keeping course       A       No       A         Cascade occurs       No       No       A       No       A         Folding lines used       No       No       A       No       A         Deep stall (parachutal stall)       A       Yes       A       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       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 angle on exit       Dive forward 0° to 30°       A       Dive forward 0° to 30°       A         Cascade occurs       No       A       No       A       A         Cascade occurs       No       A       No       A         Cascade occurs       No       A       No       A         Cascade occurs       No       A       No       A         Dive forward angle on exit <td>Cascade occurs</td> <td>No</td> <td>A</td> <td>No</td> <td>А</td>	Cascade occurs	No	A	No	А
EntryRocking back less than 45°ARocking back less than 45°ARocking back less than 45°ARocking back less than 45°ARecoveryDive forward 0° to 30° / Keeping courseADive forward 0° to 30° / Keeping courseANAFolding lines usedNoANoAARecoverySontaneous in less than 3 sASontaneous in less than 3 sASontaneous in less than 3 sADive forward angle on exitSontaneous in less than 3 sASontaneous in less than 3 sASontaneous in less than 3 sAChange of courseChanging course less than 45°ADive forward 0° to 30°ANoACascade occursNoANoAAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAADive forward angle on exitNoANoACascade occursNoANoAADive forward angle on exitNoANoADive forward angle on exitANoAADive forward angle on exitNoANoADive forward angle on exitANoAADive forward angle on exitANoAADive forward angle on exitNoANo </td <td>Folding lines used</td> <td>No</td> <td>A</td> <td>No</td> <td>A</td>	Folding lines used	No	A	No	A
RecoverySpontaneous in less than 3 sASpontaneous in 3 s to 5 sBDive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseADive forward 0° to 30° / Keeping courseACascade occursNoANoAFolding lines usedNoANoA11. Exiting deep stall (parachutal stall)A YesAYesADeep stall achievedA YesYesASpontaneous in less than 3 sARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoAACascade occursNoASpontaneous in less than 3 sACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoADive forward angle on exitADive forward 0° to 30°ACascade occursNoANoADive forward angle on exit </td <td>With accelerator</td> <td></td> <td></td> <td></td> <td></td>	With accelerator				
NectorityDive forward of to 30° / Keeping courseADive forward 0° to 30° / Keeping courseACascade occursNoANoAFolding lines usedNoANoA11. Exiting deep stall (parachutal stall) Deep stall achievedA YesA YesYesARecoverySpontaneous in less than 3 sA Dive forward 0° to 30°A YesSpontaneous in less than 3 sA Dive forward 0° to 30°ADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryANoACascade occursNoANoA13. Recovery from a developed full stall Dive forward 0° to 30°ADive forward 0° to 30°A13. Recovery from a developed full stall Dive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA	Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Cascade occursNoANoAFolding lines usedNoANoA <b>1. Exiting deep stall (parachutal stall)</b> Deep stall achieved <b>A</b> YesAYesA <b>Recovery</b> Spontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA <b>1. High angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sA <b>1. Angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sA <b>1. Bigh angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sA <b>1. Bigh angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sA <b>1. Bigh angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sA <b>1. Bigh angle on exit</b> Dive forward 0° to 30°ANoA <b>1. Bigh angle on exit</b> Dive forward 0° to 30°ANoA <b>1. Recovery from a developed full stall</b> Dive forward 0° to 30°ANoA <b>1. Recovery from a developed full stall</b> Dive forward 0° to 30°ANoADive forward 0° to 30°ANoNoACollapseNo collapseANo collapseA	Recovery	Spontaneous in less than 3 s	A	Spontaneous in 3 s to 5 s	В
Folding lines usedNoANoA <b>11. Exiting deep stall (parachutal stall)</b> Deep stall achieved <b>A</b> YesAYesARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AANoACascade occursNoANoAA <b>21. High angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sASpontaneous in less than 3 sA <b>23. Recovery from a developed full stall</b> Dive forward 0° to 30°NoANoA <b>31. Recovery from a developed full stall</b> Dive forward 0° to 30°ADive forward 0° to 30°A <b>A</b> CollapseNo collapseADive forward 0° to 30°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
I Statug unoo dood       A       Yes       A       Yes       A         Deep stall achieved       Yes       A       Yes       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         Change of course       Changing course less than 45°       A       Changing course less than 45°       A         Cascade occurs       No       A       No       A         12. High angle of attack recovery       A       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         Cascade occurs       No       A       No       A         Cascade occurs       No       A       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         Cascade occurs       No       A       No       A       Spontaneous in less than 3 s       A         Cascade occurs       No       A       No       A       Spontaneous in less than 3 s       A         Dive forward angle on exit       Dive forward 0° to 30°       A       No       A       A         Cascade occurs       No       No	Cascade occurs	No	A	No	A
Deep stall achievedYesAYesARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA <b>12. High angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoACascade occursNoANoACascade occursNoASpontaneous in less than 3 sACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoADive forward angle on exitDive forward 0° to 30°ANoDive forward angle on exitNo collapseANo collapseA	Folding lines used	No	A	No	A
RecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoACascade occursNoASpontaneous in less than 3 sACascade occursNoANoACascade occursNoASpontaneous in less than 3 sACascade occursNoASpontaneous in less than 3 sACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACascade occursNoANoACollapseNo collapseANo collapseA			۸	Voc	۸
Dive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sA13. Recovery from a developed full stall Dive forward angle on exitA Dive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseA ANo collapseADive forward 0° to 30°A					
Change of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoNoANoACascade occursNoASpontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoAACascade occursNoANoADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA					
Cascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoNoANoACascade occursNoADive forward 0° to 30°ADive forward 0° to 30°A13. Recovery from a developed full stall Dive forward angle on exitA Dive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA					
12. High angle of attack recovery       A         Recovery       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         Cascade occurs       No       A       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         13. Recovery from a developed full stall       A       Dive forward 0° to 30°       A       Dive forward 0° to 30°       A       Dive forward 0° to 30°       A         Collapse       No collapse       A       Dive forward 0° to 30°       A       Dive forward 0° to 30°       A					
RecoverySpontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoA <b>13. Recovery from a developed full stall</b> Dive forward angle on exit <b>A</b> Dive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA	Cascade occurs	No	A	No	A
13. Recovery from a developed full stall     A       Dive forward angle on exit     Dive forward 0° to 30°     A     Dive forward 0° to 30°     A       Collapse     No collapse     A     No collapse     A     No collapse     A			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       Collapse     No collapse     A     No collapse     A     No collapse     A	Cascade occurs	No	A	No	A
			A	Dive forward 0° to 30°	A
Cascade occurs (other than collapses) No A No A	Collapse	No collapse	A	No collapse	А
	Cascade occurs (other than collapses)	No	A	No	A

Rocking back	Less than 45°	А	Less than 45°	А				
Line tension	Most lines tight	А	Most lines tight	A				
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 0° to 15°	A	Less than 90° / Dive or roll angle 15° to 45° $$	A				
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А				
Total change of course	Less than 360°	A	A Less than 360°					
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A				
Twist occurs	No	A	No	А				
Cascade occurs	No	A	No	A				
Folding lines used	No	A	No	А				
Large asymmetric collapse								
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В				
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A				
Total change of course	Less than 360°	A	Less than 360°	A				
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A				
Twist occurs	No	A	No	A				
Cascade occurs	No	A	No	A				
Folding lines used	No	A	No	A				
Small asymmetric collapse with fully activated accelerator								
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45° $$	A	Less than 90° / Dive or roll angle 15° to 45° $$	A				
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A				
Total change of course	Less than 360°	A	Less than 360°	A				
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	A	No	A				
Cascade occurs	No	A	No	A				
Folding lines used	No	A	No	А				
Large asymmetric collapse with fully activated accelerator								
Change of course until re-inflation / Maximum dive forward or roll angle	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В				
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A				
Total change of course	Less than 360°	A	Less than 360°	A				
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	A	No	A				
Cascade occurs	No	A	No	A				

Folding lines used	Νο	A	No	A				
15. Directional control with a maintained	Α							
asymmetric collapse Able to keep course	Yes	А	Yes	А				
' 180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	A				
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				
<b>16. Trim speed spin tendency</b> Spin occurs	A No	A	No	A				
17. Low speed spin tendency Spin occurs	A No	A	No	A				
18. Recovery from a developed spin	В							
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in 90° to 180°	в				
Cascade occurs	No	A	No	A				
19. B-line stall	Α							
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A				
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	А				
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	А				
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	A				
Cascade occurs	No	A	No	A				
20. Big ears	Α							
Entry procedure	Dedicated controls	A	Dedicated controls	A				
Behaviour during big ears	Stable flight	A	Stable flight	А				
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				
21. Big ears in accelerated flight	A							
Entry procedure	Dedicated controls	A	Dedicated controls	A				
Behaviour during big ears	Stable flight	А	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°	А	Dive forward 0° to 30°	А				
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A				
22. Alternative means of directional control	Α							
180° turn achievable in 20 s	Yes	A	Yes	A				
Stall or spin occurs	No	A	No	A				
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				

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## Paraglider inspection certificate

Inspection certificate number:

PG\_2585.2025

Manufacturer name:	Sky Paragliders a.s.									
Representative:	Mr. Michal Sotek									
Street:	Okružní 39									
Post code / place:	73911 Frýdlant nad O	3911 Frýdlant nad Ostravicí								
Country:	Czech Republic									
Sample data										
Name:	Apollo 3 light	Size:	ML							
Min weight in flight [kg]:	82	Max weight in flight [kg]:	105							
Weight [kg]:	3.6	Number of seat:	Single-seate							
Sample load serial number:	n/a	Date of reception:	n/a							
Sample flight serial number:	3051-11-0597	Date of reception:	13.05.2025							
Test report summary	Result	Place	Date of test							
91.23   Shock loading test:	Test done on size XL	, inspection PG_2587.2025	31.07.2024							
91.23   Sustained loading test:	Test done on size XL	, inspection PG_2587.2025	01.08.2024							
91.22   Flight test:	В	Villeneuve	22.04.2025							
91.24   Measurement:	POSITIVE	Villeneuve	13.03.2025							
91.27   Suspension line calculation:	POSITIVE	Villeneuve	13.05.2025							
Issue data										
Place of declaration:	Villeneuve									
	Villeneuve 14.05.2025									

This signature approves the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test reports are applicable). Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

EN926-2:2013+A1:2021, EN926-1:2015 and NfL 2024-2-785

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#### Classification: **B**

In accordance with standards: EN 926-1:2015, EN 926-2:2013+A1:2021 and NfL 2024-2-785 Date of issue (DMY):	PG_2585.2025 14.05.2025
Manufacturer:	Sky Paragliders a.s.
Model:	Apollo 3 light ML
Serial number:	3051-11-0597

### Configuration during flight tests

Paraglider	Accessories											
Maximum weight in flight [kg]	105	Range of speed system [cm]									15.7	
Minimum weight in flight [kg]	82	Speed range using brakes [km/h]									12	
Glider's weight [kg]	3.6	Total speed range with accessories [km/h]									24	
Number of risers	3+1	Range of trimmers [cm]							n/a			
Projected area [m <sup>2</sup> ]	22	2										
Harness used for testing (max weight)	Inspec	tions	s (whi	ichev	er ha	ppen	s firs	t)				
Harness type	ABS	Inspections (whichever happens first) once a year or after 100 flight hours, and anytime								ne		
Harness brand Advance Thu		there	-				•					
Harness model Succes	ss 4 M	Persor					prese	ented	the			
Harness to risers distance [cm]	43	glider for testing: None										
Distance between risers [cm]	48											
1 2 3 4 5 6 7 8 9 10	D 11	12 13	14	15	16	17	18	19	20	21	22	23
В А В А А А А А В Е	3 A	A A	В	Α	Α	Α	В	Α	Α	Α	Α	0

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test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Manufacturer Address	<b>Sky Paragliders a.s.</b> Okružní 39 73911 Frýdlant nad O	stravicí	Certification numb Flight test	ber	r PG_2585.2025 22.04.2025			
Glider model Serial number Trimmer Folding lines used	Czech Republic <b>Apollo 3 light ML</b> 3051-11-0597 no no		<b>Classification</b> Representative Place of test		<b>B</b> None Villeneuve			
Test pilot		Victor Chinen (	Cirilli	Alexandre Jofresa				
Harness Harness to risers d Distance between r		Advance Thun 43 44	AG Success 4 M	Advance Thun AG Success 4 M 43 48				
Total weight in fligh	nt [kg]	82			105			
1. Inflation/Take-off Rising behaviour		<b>B</b> Easy rising, some pilot	correction is required	в	Easy rising, some pilot correction is required	в		
Special take off technique	required	No		A	No	А		
<b>2. Landing</b> Special landing technique	required	<b>A</b> No		No				
<b>3. Speed in straight fligh</b> Trim speed more than 30		<b>B</b> Yes		Yes				
Speed range using the co	ntrols larger than 10 km/h	Yes		Yes				
Minimum speed		Less than 25 km/h		25 km/h to 30 km/h E				
4. Control movement Max. weight in flight up Symmetric control pressu		A not available		0	not available	0		
Max. weight in flight 80 Symmetric control pressu		Increasing / greater that	an 60 cm	A	not available	0		
Max. weight in flight gre Symmetric control pressu		not available		0	Increasing / greater than 65 cm	A		
5. Pitch stability exiting Dive forward angle on exit		A Dive forward less than	30°	A	Dive forward less than 30°	A		
Collapse occurs		No		A	No	A		
6. Pitch stability operation accelerated flight	ng controls during	A						
Collapse occurs		No		A	No	A		
7. Roll stability and dam Oscillations	ping	<b>A</b> Reducing		A	Reducing	A		
8. Stability in gentle spir	rale	A						
Tendency to return to stra		A Spontaneous exit		A	Spontaneous exit	A		

9. Behaviour exiting a fully developed spiral dive	В			
Initial response of glider (first 180°)	No immediate reaction	В	Immediate reduction of rate of turn	A
Tendency to return to straight flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	A	Spontaneous exit (g force decreasing, rate of turn decreasing)	A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	A
10. Symmetric front collapse Approximately 30 % chord	В			
Entry	Rocking back less than 45°	A	Rocking 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 30° to 60° / Keeping course	В	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
At least 50% chord Entry	Rocking back less than 45°	A	Rocking 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 course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	A
Folding lines used	No	No	A	
With accelerator				
Entry	Rocking back less than 45°	A	Rocking 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 course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
11. Exiting deep stall (parachutal stall)	A	^	Vee	٨
Deep stall achieved	Yes		Yes	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
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
12. High angle of attack recovery Recovery	A Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
<b>13. Recovery from a developed full stall</b> Dive forward angle on exit	A Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapses)	No	A	No	A

Rocking back	Less than 45°	А	Less than 45°	А			
Line tension	Most lines tight	A	Most lines tight	А			
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° $$	A	Less than 90° / Dive or roll angle 15° to 45° $$	A			
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A			
Total change of course	Less than 360°	A Less than 360°					
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	A	No	А			
Cascade occurs	No	А	No	A			
Folding lines used	No	A	No	A			
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	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В			
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A			
Total change of course	Less than 360°	A	Less than 360°	A			
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	A	No	А			
Cascade occurs	No	A	No	A			
Folding lines used	No	A	No	А			
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° $$	A	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В			
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А			
Total change of course	Less than 360°	A	Less than 360°	A			
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	A	No	A			
Cascade occurs	No	A	No	A			
Folding lines used	No	A	No	A			
Large asymmetric collapse with fully activated accelerator							
Change of course until re-inflation / Maximum dive forward or roll angle	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В			
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А			
Total change of course	Less than 360°	A	Less than 360°	A			
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	A	No	А			
Cascade occurs	Νο	A	No	A			

Folding lines used	Νο	A	No	А
15. Directional control with a maintained	Α			
asymmetric collapse 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		More than 50 % of the symmetric control travel	A
<b>16. Trim speed spin tendency</b> Spin occurs	A No	A	No	A
17. Low speed spin tendency Spin occurs	A No	A	No	A
18. Recovery from a developed spin	В			
Spin rotation angle after release	Stops spinning in 90° to 180°	В	Stops spinning in 90° to 180°	В
Cascade occurs	No	A	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A
Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	А
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°	А	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	А
20. Big ears	Α			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	A	Stable flight	А
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight	Α			
Entry procedure	Dedicated controls	A	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
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°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
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

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## Paraglider inspection certificate

Inspection certificate number:

PG\_2586.2025

Manufacturer name:	Sky Paragliders a.s.									
Representative:	Mr. Michal Sotek									
Street:	Okružní 39									
Post code / place:	73911 Frýdlant nad O	3911 Frýdlant nad Ostravicí								
Country:	Czech Republic									
Sample data										
Name:	Apollo 3 light	Size:	L							
Min weight in flight [kg]:	95	Max weight in flight [kg]:	119							
Weight [kg]:	3.9	Number of seat:	Single-seate							
Sample load serial number:	n/a	Date of reception:	n/a							
Sample flight serial number:	2955-11-0769	Date of reception:	18.06.2024							
Test report summary	Result	Place	Date of test							
91.23   Shock loading test:	Test done on size XL	, inspection PG_2587.2025	31.07.2024							
	Test done on size XL	, inspection PG_2587.2025	01.08.2024							
91.23   Sustained loading test:		Villeneuve	20.06.2024							
	В	Thioridate								
<ul><li>91.23   Sustained loading test:</li><li>91.22   Flight test:</li><li>91.24   Measurement:</li></ul>	B POSITIVE	Villeneuve	19.08.2024							
91.22   Flight test:	_		19.08.2024 13.05.2025							
91.22   Flight test: 91.24   Measurement:	POSITIVE	Villeneuve								
91.22   Flight test: 91.24   Measurement: 91.27   Suspension line calculation:	POSITIVE	Villeneuve								
91.22   Flight test: 91.24   Measurement: 91.27   Suspension line calculation: Issue data	POSITIVE POSITIVE	Villeneuve								

This signature approves the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test reports are applicable). Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

EN926-2:2013+A1:2021, EN926-1:2015 and NfL 2024-2-785

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#### Classification: **B**

In accordance with standards: EN 926-1:2015, EN 926-2:2013+A1:2021 and NfL 2024-2-785 Date of issue (DMY):	PG_2586.2025 14.05.2025
Manufacturer:	Sky Paragliders a.s.
Model:	Apollo 3 light L
Serial number:	2955-11-0769

### Configuration during flight tests

Parag	lider										А	cces	sorie	s								
Maxin	num	weigl	nt in f	light	[kg]					119	R	ange	of sp	eed s	syste	m [cn	n]					15.7
Minim	um v	veigh	t in fl	ight [l	kg]					95	S	Speed range using brakes [km/h]									12	
Glider	's we	eight	[kg]				3.9					Total speed range with accessories [km/h]									24	
Numb	er of	riser	s							3+1	R	ange	of tri	mmei	rs [cn	n]						n/a
Projec	cted a	area	[m²]							23.8												
Harne		end	for to	etin	<b>n</b> (ma		iaht)				In		tion	(whi	ichov	or ho	nnon	e fire	F)			
				ອແກ່ຮູ	J (IIIa	x we	igiii)				Inspections (whichever happens first) once a year or after 100 flight hours, and anytime								m.0			
Harne		•							-	ABS	+k						0				-	stics
Harne	ess br	and					Woo	dy V	alle	y srl	u		15 11 10	5 Sily	nies		inge		yn c	ilaia	loten	51105
Harne	ess m	odel					W	ani I	Ligh	t 2 L	Р	ersor		omna	ny ha	avina	nres	ented	the			
											ql	lider f					press	ontoo	uio			
Harne	ess to	rise	's dis	tance	e [cm]					43	0			0		-						
Distar	nce b	etwe	en ris	ers [	cm]					48												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
В	Α	В	Α	Α	Α	Α	Α	В	Α	Α	Α	Α	В	Α	Α	Α	В	Α	Α	Α	Α	0

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Manufacturer Address	<b>Sky Paragliders a.s.</b> Okružní 39 73911 Frýdlant nad O Czech Republic	ostravicí	Certification num Flight test	ber	PG_2586.2025 20.06.2024	
Glider model Serial number Trimmer Folding lines used	Apollo 3 light L 2955-11-0769 no no		<b>Classification</b> Representative Place of test		<b>B</b> None Villeneuve	
Test pilot		Alexandre Jofr	resa		Anselm Rauh	
Harness Harness to risers d Distance between r		Advance Thun 43 46	AG Success 4 M		Woody Valley srl Wani Light 2 L 43 48	
Total weight in fligh	nt [kg]	95			119	
1. Inflation/Take-off Rising behaviour		<b>B</b> Easy rising, some pilo	t correction is required	В	Easy rising, some pilot correction is required	В
Special take off technique	required	No		A	No	A
<b>2. Landing</b> Special landing technique	required	<b>A</b> No		A	No	A
<b>3. Speed in straight fligh</b> Trim speed more than 30		<b>B</b> Yes		A	Yes	A
Speed range using the controls larger than 10 km/h		Yes A		Yes	A	
Minimum speed		Less than 25 km/h		A	25 km/h to 30 km/h	В
4. Control movement Max. weight in flight up Symmetric control pressu		<b>A</b> not available		0	not available	0
Max. weight in flight 80 Symmetric control pressu		Increasing / greater th	an 60 cm	A	not available	0
Max. weight in flight gre Symmetric control pressu		not available		0	Increasing / greater than 65 cm	A
5. Pitch stability exiting Dive forward angle on exit		A Dive forward less than	1 30°	A	Dive forward less than 30°	А
Collapse occurs		No		A	No	A
6. Pitch stability operation accelerated flight	ng controls during	A				
Collapse occurs		No		A	No	A
7. Roll stability and dam Oscillations	ping	A Reducing		A	Reducing	A
8. Stability in gentle spir Tendency to return to stra		A Spontaneous exit		А	Spontaneous exit	A

9. Behaviour exiting a fully developed spiral dive	В	_		_
Initial response of glider (first 180°)	No immediate reaction	В	No immediate reaction	В
Tendency to return to straight flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	A	Spontaneous exit (g force decreasing, rate of turn decreasing)	A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	720° to 1 080°, spontaneous recovery	В
10. Symmetric front collapse Approximately 30 % chord	Α			
Entry	Rocking back less than 45°	A	Rocking 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 course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
At least 50% chord Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	А
Cascade occurs	No	A	No	А
Folding lines used	No	A	No	A
With accelerator				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	А
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 course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	А
Folding lines used	No	A	No	А
11. Exiting deep stall (parachutal stall)	A Yes	٨	Yes	A
Deep stall achieved	Spontaneous in less than 3 s		Spontaneous in less than 3 s	A
Recovery				
Dive forward angle on exit	Dive forward 0° to 30°		Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
<b>12. High angle of attack recovery</b> Recovery	A Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
<b>13. Recovery from a developed full stall</b> Dive forward angle on exit	A Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Collapse	No collapse	A	No collapse	А
Cascade occurs (other than collapses)	No	A	No	A

Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	A	Most lines tight	A
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 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	А
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В	Less than 90° / Dive or roll angle 15° to 45° $$	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45° $$	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	А
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
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° $$	A	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	A
Cascade occurs	No	A	No	A

Folding lines used	Νο	A	No	A
15. Directional control with a maintained	Α			
asymmetric collapse Able to keep course	Yes	А	Yes	А
' 180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel		More than 50 % of the symmetric control travel	A
<b>16. Trim speed spin tendency</b> Spin occurs	A No	A	No	A
17. Low speed spin tendency Spin occurs	A No	A	No	A
18. Recovery from a developed spin	В			
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in 90° to 180°	в
Cascade occurs	No	A	No	A
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears	Α			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	A	Stable flight	А
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
21. Big ears in accelerated flight	A			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	А	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°	А	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
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

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#### Classification: **B**

In accordance with standards: EN 926-1:2015, EN 926-2:2013+A1:2021 and NfL 2024-2-785 Date of issue (DMY):	PG_2587.2025 14.05.2025
Manufacturer:	Sky Paragliders a.s.
Model:	Apollo 3 light XL
Serial number:	2955-11-0767

### Configuration during flight tests

Paraglider		Accessories				
Maximum weight in flight [kg]	133	Range of speed system [cm] 1				
Minimum weight in flight [kg]	108	Speed range using brakes [km/h]	12			
Glider's weight [kg]	4.1	Total speed range with accessories [km/h]	24			
Number of risers	3+1	Range of trimmers [cm]	n/a			
Projected area [m <sup>2</sup> ]	25.89					
Harness used for testing (max weight)		Inspections (whichever happens first)				
Harness type	ABS	once a year or after 100 flight hours, and a	anytime			
Harness brand	Niviuk	there is the slightest change in flight chara	cteristics			
Harness model	Makan L	L Person or company having presented the				
Llamage to right distance [am]		glider for testing: None				
Harness to risers distance [cm]	41					
Distance between risers [cm]	48					
1 2 3 4 5 6 7 8	9 10 11	12 13 14 15 16 17 18 19 20 21	22 23			
B A B A A A A A	BAA	A A B A A A B A A A	A 0			

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## Paragliders shock and sustained loading test

Inspection certificate number:	PG_2587.2025	Test Report
Manufacturer data		
Manufacturer name:	Sky Paragliders a.s.	
Representative:	Mr. Michal Sotek	
Street:	Okruzni 39	
Post code / place:	73911 Frydlant nad Ostravici	
Country:	Czech Republic	
Sample data		
Name:	Apollo 3 light	
Size:	XL	
Maximum weight in flight [kg]:	133	
Serial number:	2956-11-0832	
Date of reception:	11.07.2025	
Test data	Test Atmo	osphere AGL
Place of test:	Yverdon (airport)	<b>18</b> [°C]
Date of test:	01.08.2024	<b>78</b> RH [%]
Inspector:	Claude Thurnheer	<b>960</b> [hPA]
•		<b>2.1</b> Wind [m/s]

Shock loading test result <sup>(1)</sup>			
Weak link used [daN]: Visual inspection:	1000 No visible damage	Results:	POSITIVE

#### Weak link



Instruments	Validity	Manufacturer	s/n	
Weak link	continously	Tost	n/a	
Ultrawire DSK99	29.10.2023	Gottifredi	n/a	
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Unit11	

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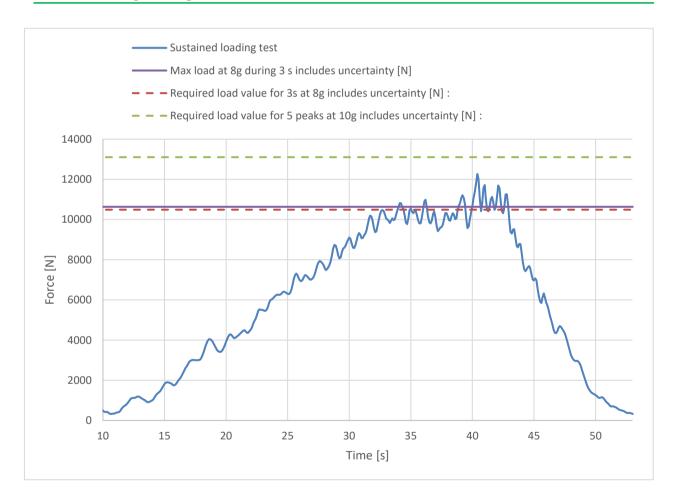
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Inspection certificate number: PG\_2587.2025

Detailed sustained loading test results		
Cumulative duration at max load [s]:	3.2	
Max calculated load value for a duration of 3 sec. [N]:	1329.20	
Max calculated load value for a duration of 3 sec. [kg]:	135.49	
Max calculated load value with five peaks [N]:	n/a	
Max calculated load value with five peaks [kg]:	n/a	
Max calculated load value with 3 sec or five peaks [N]:	1329.20	
Max calcultaed load value with 3 sec or five peaks [kg]:	135.49	

#### Sustained loading test diagram



#### Sustained loading test results (3)

#### Result:

Calculated max load value with 3 sec or five peaks [kg]:

POSITIVE 135.49 Route du Pré-au-Comte 8 🔺 CH-)844 Villeneuve 🔺 +4) (0)2) 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PG\_2587.2025

Instruments	Manufacturer	Validity	S/N
Load sensor	НВМ	23.08.2028	31314652
Geos n°11 Skywatch	JDC	18.06.2025	Unit11

The validation of this test report is given by the signature of the test manager on inspection certificate 91.20

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the standards EN 926-1:2015 | NfL 2024-2-785

(1) The paraglider is subjected to a shock load. Shock load is limited using a weak link according to the weight range of the glider. The weak link breaks or 5 s has elapsed since the start of the shock load. The wing is then visually inspected for damage.

(2) The weak link value includes the uncertainty for the weight range test values / The uncertainty state is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

(3) The test specimen (sample) is attached to the electronic sensors on the tow vehicle.

A controller is positioned on the tow vehicle in order to operate the paraglider control lines to stabilize the wing.

The speed of the vehicle is increased as gradually as possible, enabling the controller to obtain satisfactory stabilisation of the flight path of the paraglider.

When the paraglider has stabilized, the speed is increased gradually until either:

a) the measured load exceeds a load factor of eight times the maximum total weight in flight recommended by the manufacturer, for a minimum cumulative duration of 3 s; or b) five peaks separated by at least 0,3 s are obtained above ten times the maximum total weight in flight recommended by the manufacturer, in one run.

(4) The calculated value include the value minus the uncertainty / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

#### AIR TURQUOISE SA | PARA-TEST.COM Route du Pré-au-Compte 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 and NfL 2024-2-785

Manufacturer Address	<b>Sky Paragliders a.s.</b> Okružní 39 73911 Frýdlant nad C		Certification num Flight test	ıber	PG_2587.2025 03.09.2024	
Glider model Serial number Trimmer Folding lines used	Czech Republic <b>Apollo 3 light XL</b> 2955-11-0767 no no		<b>Classification</b> Representative Place of test		<b>B</b> None Villeneuve	
Test pilot		Alexandre Jofr	esa		Anselm Rauh	
Harness Harness to risers d Distance between r		Advance Thun 43 48	AG Success 4 M		Niviuk Makan L 41 48	
Total weight in fligh	nt [kg]	108			133	
1. Inflation/Take-off Rising behaviour		<b>B</b> Easy rising, some pilo	t correction is required	В	Easy rising, some pilot correction is required	В
Special take off technique	required	No		A	No	A
<b>2. Landing</b> Special landing technique	required	<b>A</b> No		A	No	A
<b>3. Speed in straight fligh</b> Trim speed more than 30		<b>B</b> Yes		A	Yes	A
Speed range using the controls larger than 10 km/h		Yes	Yes A		Yes	A
Minimum speed		Less than 25 km/h		A	25 km/h to 30 km/h	В
4. Control movement Max. weight in flight up Symmetric control pressu		<b>A</b> not available		0	not available	0
Max. weight in flight 80 Symmetric control pressu		not available		0	not available	0
Max. weight in flight gre Symmetric control pressu		Increasing / greater th	an 65 cm	A	Increasing / greater than 65 cm	A
5. Pitch stability exiting Dive forward angle on exit		A Dive forward less than	1 30°	A	Dive forward less than 30°	A
Collapse occurs		No		A	No	A
6. Pitch stability operation accelerated flight	ng controls during	A				
Collapse occurs		No		A	No	A
7. Roll stability and dam Oscillations	ping	<b>A</b> Reducing		A	Reducing	A
8. Stability in gentle spir Tendency to return to stra		A Spontaneous exit		A	Spontaneous exit	А

Initial response of glider (first 130°)No immedian reasionØNo immedian reasionØTendency to return to straight flightSportaneous et is (soci-skeesan, strain (soci-s	9. Behaviour exiting a fully developed spiral dive	В			
International of a second of the se	Initial response of glider (first 180°)	No immediate reaction	В	No immediate reaction	В
Iterational and any approximately 39 % chord       A         Conservation from collapse       A         Entry       Recovery       Spontaneous in less than 45°       A       Rodong back less than 45°       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 of no 30° / Keeping course       No       A       No       A       No       A         Cascade cocurs       No       A       No       A       No       A       No       A         At least 50% chord       Recovery       Spontaneous in less than 42°       A       Recovery       A       No       A       No       A         At least 50% chord       Recovery       Spontaneous in less than 42°       A       Recovery       A       Recovery       A       Recovery       A       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A       A         Recovery       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A       No       A       No         Use forward angle on exit / Change of course       Dive forward of to 30° / Keeping course       A       No </td <td>Tendency to return to straight flight</td> <td></td> <td>A</td> <td></td> <td>A</td>	Tendency to return to straight flight		A		A
Approximately 30 % chord       Recovery       Rocking back loss fran 40°       A       Sportaneous in less fran 33       A       Sportaneous in less fran 33       A       Sportaneous in less fran 34       A       Dive forward 0° to 30° / Keeping oxume       A       Inter oxumed 0° to 30° / Keeping oxume	Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	A
Participant         Spontameous in less than 3 s         A         Spontameous in less than 3 s         A           Dive forward angle on exit Change of course         Dive forward 0 to 30" / Keeping course         A         Ne         Ne         A           Cascade occurs         No         A         Ne         Ne         A         Ne         A           Folding lines used         No         A         Ne         A         Ne         A           At less 50% chord         Entry         Recovery         Spontameous in less than 45"         A         Spontameous in less than 3 s         A           Dive forward angle on exit / Change of course         Dive forward 0" to 30" / Keeping course         A         Ne         Ne         A           Gascade occurs         No         A         Ne         Ne         A         Spontameous in less than 3 s         A           Cascade occurs         No         A         Ne         Ne         A         Ne         A           Recovery         Bortameous in less than 45"         A         Rocking back less than 45"         A         Ne         A           Cascade occurs         No         A         No         Ne         A         Spontameous in less than 3 s         A		A			
Dive forward angle on exit Change of course         Dive forward 0° to 30° / Keeping course         A         Ne         A           Cascade occurs         No         A         No         A         A           Folding lines used         No         A         No         A         A           At least 50% chord         Thity         Rocking back less than 45°         A         Rocking back less than 45°         A         Rocking back less than 45°         A           Recovery         Sportaneous in less than 3 s         A         Sportaneous in less than 3 s         A         Dive forward of to 30° / Keeping course         A         No         A           Cascade occurs         No         A         No         A         No         A           Cascade occurs         No         A         No         A         Rocking back less than 45°         A         Rocking back less than 45°         A         Rocking back less than 45°         A         No         A           Cascade occurs         No         A         No         A         Rocking back less than 45°         A         Rocking back less than 45°         A         Roccurs         A           Poly forward angle on exit / Change of course         Dive forward 0° to 30° / Keeping course         A         No	Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Cascade occursNoANoAFolding lines usedNoANoAAAt least 50% chord EntryRodeing back leas than 45"ARodeing back leas than 45"ARodeing back leas than 45"ARecoverySpontaneous in leas than 3 SADive forward 0" to 30" / Keeping courseADive forward 0" to 30" / Keeping courseAPolice forward angle on exit / Change of courseDive forward 0" to 30" / Keeping courseANoAGascade occursNoANoANoAFolding lines usedNoANoAAWith acceleratorEttryRodeing back less than 45"ARodeing back less than 45"ARecoverySpontaneous in less than 3 SASpontaneous in less than 3 SASpontaneous in less than 3 SAObve forward angle on exit / Change of courseDive forward 0" to 30" / Keeping courseANoAACascade occursNoANoAAAACascade occursNoANoAAAFolding lines usedNoANoAAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAA <t< td=""><td>Recovery</td><td>Spontaneous in less than 3 s</td><td>A</td><td>Spontaneous in less than 3 s</td><td>A</td></t<>	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Folding lines used       No       A       No       A       No       A         At least 50% chord       Entry       Rooking back leas than 45°       A       Rooking back leas 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       Dive forward 0° to 30° / Keeping course       A       No       A       No       A         Gascade occurs       No       A       No       A       No       A       A         Folding lines used       No       A       No       A       No       A       A         Recovery       Spontaneous in least than 3°       A       Rooking back leas than 45°       A       A         Recovery       Spontaneous in least than 3°       A       Rooking back leas than 45°       A         Cascade occurs       No       A       No       A       A         Folding lines used       No       A       No       A       A         Recovery       Spontaneous in least than 3°       A       No       A       A         Recovery       No       A       No       A       No       A       A         Recovery	Dive forward angle on exit Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
At least 50% chord       Rocking back less than 45"       A       Rocking 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 course       A       No       A         Cascade occurs       No       A       No       A       No       A         Folding lines used       No       A       Recovery       A       Recovery       A         Entry       Rocking back less than 45°       A       Recovery       A       Rocking back less than 45°       A         Prive forward on exit / Change of course       Dive forward 0" to 30" / Keeping course       A       Rocking back less than 45°       A         Recovery       Sontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         Dive forward angle on exit / Change of course       No       A       No       A         Cascade occurs       No       A       No       A       A         Folding lines used       No       A       No       A       A         Recovery       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A       A	Cascade occurs	No	A	No	A
Entry       Rocking back less than 45°       A       Rocking back less than 45°       A       Rocking back less than 45°       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 angle on exit / Change of course       No       A       No       No       A         Folding lines used       No       A       No       No       A       No       A         With accelerator       Entry       Rocking back less than 45°       A       Rocking back less than 45°       A       Rocking back less than 45°       A       No       A         Dive forward angle on exit / Change of course       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A       Spontaneous less than 3 s       A       No       A         Cascade occurs       No       A       No       No       A       No       A         Folding lines used       No       A       No       A       No       A       A         Cascade occurs       No       A       No       A       No       A       A         Folding lines used       No       A       No       A       No       A	Folding lines used	No	A	No	A
Notional Dive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseADive forward 0° to 30° / Keeping courseACascade occursNoANoAFolding lines usedNoANoAWith acceleratorEntryRooking back less than 45°ARooking back less than 45°ARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward 0° to 30° / Keeping courseADive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseANoACascade occursNoANoAAFolding lines usedNoANoAAFolding lines usedNoANoAAFolding lines usedNoANoAAFolding lines usedNoANoAADive forward angle on exitDive forward 0° to 30°ASpontaneous in less than 3 sAChange of courseChanging course less than 45°ASpontaneous in less than 3 sAChange of courseChanging course less than 45°ANoAChange of courseNoANoAAChanging course less than 45°ASpontaneous in less than 45°AChanging course less than 45°ANoANoAChanging course less than 3 sASpontaneous in less than 3 sAChanging course less than 3 sA		Rocking back less than 45°	A	Rocking back less than 45°	A
Cascade occursNoANoAFolding lines usedNoANoAWith acceleratorEntryRooking back less than 45"ARooking back less than 45"ARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward 0" to 30" / Keeping courseADive forward angle on exit / Change of courseDive forward 0" to 30" / Keeping courseANoACascade occursNoANoAFolding lines usedNoANoAFolding lines usedNoANoAFolding lines usedNoANoAFolding lines usedNoANoAFolding lines usedNoANoACascade occursNoANoADive forward angle on exitDive forward 0" to 30"ANoChange of courseChanging course less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0" to 30"ANoACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANoAACascade occursNoANo<	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Folding lines used       No       A       No       A       No       A         With accelerator       Entry       Rooking back less than 45°       A       Rocking back less than 45°       A         Entry       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 course       A       No       A         Cascade occurs       No       A       No       A       No       A         Folding lines used       No       A       No       A       A         Dive forward 0° to 30°       A       No       A       A         Recovery       No       A       No       A         Dive forward 0° to 30°       A       Spontaneous in less than 3 s       A         Recovery       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         Change of course       Changing course less than 45°       A       Spontaneous in less than 3 s       A         Cascade occurs       No       No       A       No       A         Cascade occurs       No       A       Spontaneous in less than 3 s       A         Cascade occurs <td< td=""><td>Dive forward angle on exit / Change of course</td><td>Dive forward 0° to 30° / Keeping course</td><td>A</td><td>Dive forward 0° to 30° / Keeping course</td><td>A</td></td<>	Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Vith accelerator         Entry       Rocking back less than 45°       A       Rocking 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 course       A       Dive forward 0° to 30° / Keeping course       A         Cascade occurs       No       A       No       A         Folding lines used       No       A       No       A         Deep stall (parachutal stall)       A       Yes       A       Spontaneous in less than 3 s       A         Deep stall cheved       Yes       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       Spontaneous in less than 3 s       A         Cascade occurs       No       A       No       A       No       A         Cascade occurs       No       A       No       A       A         Cascade occurs       No       A       No       A         Cascade occurs       No       A       No       A         Cascade occurs       No       A       No       A	Cascade occurs	No	A	No	A
EntryRocking back less than 45°ARocking back less than 45°ARocking back less than 45°ARecoverySpontaneous in less than 3 sDive forward 0° to 30° / Keeping courseADive forward 0° to 30° / Keeping courseACascade occursNoANoAFolding lines usedNoANoADive forward 1 gracehutat stall)AYesADive forward 1 gracehutat stall)AYesADive forward 1 gen e skitSpontaneous in less than 3 sASpontaneous in less than 3 sADive forward 1 gen e skitDive forward 0° to 30°ASpontaneous in less than 3 sAChange of courseChanging course less than 45°ANoACascade occursNoANoAACascade occursNoASpontaneous in less than 3 sACascade occursNoANoAADive forward angle on exitNoANoACascade occursNoANoAACascade occursNoANoAADive forward angle on exitNoANoAACascade occursNoANoAADive forward 1 Gil StallANoAAADive forward 1 Gil StallANoAAADive forward 1 Gil StallANoAAADive forward 1 Gil Stall<	Folding lines used	No	A	No	А
RecoverySpontaneous in less than 3 sASpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exit / Change of courseDive forward 0° to 30° / Keeping courseADive forward 0° to 30° / Keeping courseACascade occursNoANoAFolding lines usedNoANoA11. Exiting deep stall (parachutal stall)A YesAYesADeep stall achievedA YesYesASpontaneous in less than 3 sARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°ANoACascade occursNoANoA12. High angle of attack recovery RecoveryASpontaneous in less than 3 sACascade occursNoANoA13. Recovery from a developed full stall Dive forward angle on exitA Dive forward 0° to 30°A NoNoA13. Recovery from a developed full stall Dive forward angle on exitA Dive forward 0° to 30° to 30° to 30°A NoNoA13. Recovery from a developed full stall Dive forward angle on exitA Dive forward 0° to 30° to 30° to 30°A NoNoACollapseNo collapseA No collapseNo collapseANo	With accelerator				
IncodersityDive forward of to 30° / Keeping courseADive forward 0° to 30° / Keeping courseACascade occursNoANoAFolding lines usedNoANoA <b>11. Exiting deep stall (parachutal stall)</b> Deep stall achieved <b>A</b> YesAYesA <b>Recovery</b> Spontaneous in less than 3 sASpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AACascade occursChanging course less than 45°AChanging course less than 45°AChanging course less than 45°A <b>12. High angle of attack recovery</b> RecoveryANoANoA <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ANoAA <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ADive forward 0° to 30°A <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ADive forward 0° to 30°A <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ADive forward 0° to 30°A <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ADive forward 0° to 30°A <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ADive forward 0° to 30°A <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ADive forward 0° to 30°A <b>13. Recovery from a developed full stall</b>	Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Cascade occursNoANoAFolding lines usedNoANoA <b>11. Exiting deep stall (parachutal stall)</b> Deep stall achieved <b>A</b> YesAYesA <b>Recovery</b> Spontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA <b>12. High angle of attack recovery</b> Recovery <b>A</b> Spontaneous in less than 3 sA <b>13. Recovery from a developed full stall</b> Dive forward 0° to 30°ANoA <b>Dive forward angle on exit</b> CalcageNo collapseANo collapseA	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Folding lines usedNoANoAI • Exiting deep stall (parachutal stall) Deep stall achievedA YesA YesA YesA YesA Spontaneous in less than 3 sA A Spontaneous in less than 3 sA A Spontaneous in less than 3 sA A Dive forward 0 ng le on exitDive forward 0 ng le on exitDive forward 0 ng le on exitDive forward 0 ng le on exitA NoDive forward 0 ng le on exitA A NoDive forward 0 ng le on exitA A A NoDive forward 0 ng le on exitA A A A NoDive forward 0 ng le on exitA A A A A A A A A A A B A A A A B A A A B A A B A A A A B A A A A B A B A A B A A B A A B A B A B A B A B A B A B A B A B A B A B A B A B A B B A B A B A B A B A B A B B A B B A B B A B B B A B B B A B <td>Dive forward angle on exit / Change of course</td> <td>Dive forward 0° to 30° / Keeping course</td> <td>A</td> <td>Dive forward 0° to 30° / Keeping course</td> <td>A</td>	Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Initial field of all (parachutal stall)A YesYesADeep stall achievedYesAYesARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sA13. Recovery from a developed full stall 	Cascade occurs	No	A	No	А
Deep stall achievedYesAYesARecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA <b>12. High angle of attack recovery</b> RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoACascade occursNoANoACascade occursNoASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ANoACascade occursNoANoACascade occursNoANoACascade occursNoANoADive forward angle on exitDive forward 0° to 30°ANoDive forward angle on exitNo collapseANo collapseA	Folding lines used	No	A	No	A
RecoverySpontaneous in less than 3 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoANoA13. Recovery from a developed full stall Dive forward angle on exitA Dive forward 0° to 30°A Dive forward 0° to 30°A No collapseA No collapse<			Δ	Ves	Δ
Dive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sA13. Recovery from a developed full stall Dive forward angle on exitA Dive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseA No collapseA Dive forward 0° to 30°ADive forward 0° to 30°A					
Change of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoNoASpontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoNoANoACascade occursNoANoACascade occursNoANoADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA					
Cascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoACascade occursNoANoA13. Recovery from a developed full stall Dive forward on exitA Dive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA	-				
12. High angle of attack recovery       A         Recovery       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         Cascade occurs       No       A       Spontaneous in less than 3 s       A       Spontaneous in less than 3 s       A         13. Recovery from a developed full stall       A       Dive forward 0° to 30°       A       Dive forward 0° to 30°       A       Dive forward 0° to 30°       A         Collapse       No collapse       A       Dive forward 0° to 30°       A       Dive forward 0° to 30°       A					
RecoverySpontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoA13. Recovery from a developed full stall Dive forward on exitA Dive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA			~		~
13. Recovery from a developed full stall     A       Dive forward angle on exit     Dive forward 0° to 30°     A     Dive forward 0° to 30°     A       Collapse     No collapse     A     No collapse     A     No collapse     A			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       Collapse     No collapse     A     No collapse     A     No collapse     A	Cascade occurs	No	A	No	A
			A	Dive forward 0° to 30°	A
Cascade occurs (other than collapses) No A No A	Collapse	No collapse	A	No collapse	А
	Cascade occurs (other than collapses)	No	A	No	A

Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	A	Most lines tight	A
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 0° to 15°	A	Less than 90° / Dive or roll angle 15° to 45° $$	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	А
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
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 0° to $15^\circ$	A	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	A
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°	A	$90^\circ$ to $180^\circ$ / Dive or roll angle $15^\circ$ to $45^\circ$	В
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
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	A	No	A
Cascade occurs	No	A	No	A

Folding lines used	Νο	A	No	A
15. Directional control with a maintained	Α			
asymmetric collapse Able to keep course	Yes	А	Yes	А
' 180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel		More than 50 % of the symmetric control travel	A
<b>16. Trim speed spin tendency</b> Spin occurs	A No	A	No	A
17. Low speed spin tendency Spin occurs	A No	A	No	A
18. Recovery from a developed spin	В			
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in 90° to 180°	в
Cascade occurs	No	A	No	A
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears	Α			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	A	Stable flight	А
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
21. Big ears in accelerated flight	A			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	А	Stable flight	А
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°	А	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
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