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

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



# Flight test report: EN 926-2:2013 & LTF 91/09

Manufacturer	Sky Paragliders a.s.	Certification number	F	PG_1810.2021	
Address	Okruzní 39 73911 Frýdlant nad Ostravicí Czech Republic	Flight test	1	8.04.2018	
Glider model	Kudos 2 XS	Classification	E	3	
Serial number	2351-11-0599	Representative	Ν	lone	
Trimmer	no	Place of test	V	/illeneuve	
Folding lines used	no				
Test pilot		Light pilot under Air Turquoise supervision		ight pilot under Air Turquoise upervision	
Harness		Supair - Altiplume S	F	· lugsau - XX-Lite	
Harness to risers di	stance (cm)	44		.0	
Distance between ri		40		.0	
	· · ·			5	
Total weight in fligh	( (KY)	55	1	0	
1. Inflation/Take-off		Α			
Rising behaviour		Smooth, easy and constant rising	А	Smooth, easy and constant rising	А
Special take off technique	required	No	А	No	А
2. Landing		А			
Special landing technique	required	No	А	No	А
3. Speed in straight fligh	t	В			
Trim speed more than 30 k		Yes	А	Yes	A
Speed range using the cor	ntrols larger than 10 km/h	Yes	А	Yes	A
Minimum speed		Less than 25 km/h	А	25 km/h to 30 km/h	В
4. Control movement		Α			
Max. weight in flight up t					
Symmetric control pressur		Increasing / greater than 55 cm	A	Increasing / greater than 55 cm	A
Max. weight in flight 80 k					
Symmetric control pressur		not available	0	not available	0
Max. weight in flight grea	_		•		~
Symmetric control pressur		not available	0	not available	0
5. Pitch stability exiting a	-	A Dive ferward less than 20°	۸	Dive featured less than 20°	•
Dive forward angle on exit		Dive forward less than 30° No	A A	Dive forward less than 30° No	A
Collapse occurs 6. Pitch stability operatin flight	g controls during accelerated	A	A		A
Collapse occurs		No	А	No	А
7. Roll stability and dam	ping	A			
Oscillations		Reducing	А	Reducing	A
8. Stability in gentle spira	als	A			
Tendency to return to strai		Spontaneous exit	А	Spontaneous exit	A
9. Behaviour exiting a fu	lly developed spiral dive	Α			
Initial response of glider (fi	rst 180°)	Immediate reduction of rate of turn	А	Immediate reduction of rate of turn	А
Tendency to return to strai	ght flight	Spontaneous exit (g force decreasing)	A	Spontaneous exit (g force decreasing, rate of turn decreasing)	A
Turn angle to recover norn	nal flight	Less than 720°, spontaneous recovery	А	Less than 720°, spontaneous recovery	A
10. Symmetric front colla	ipse	A			
•	rd				

Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	Α	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	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 30° to 60° /	В	Dive forward 0° to 30° / Keeping	A
	Entering a turn of less than 90°	_	course	
Cascade occurs	No	A	No	A
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	А
Recovery	Spontaneous in 3 s to 5 s	В	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 30° to 60° / Keeping course	В	Dive forward 0° to 30° / Keeping course	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	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
-				A
Change of course	Changing course less than 45°	A	Changing course less than 45°	
Cascade occurs	No	A	No	A
12. High angle of attack recovery	Α			
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	Α	No	A
13. Recovery from a developed full stall	Α			
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Collapse	No collapse	Α	No collapse	А
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	Α	Less than 45°	А
Line tension	Most lines tight	А	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°	А	Less than 90° / Dive or roll angle 0° to 15°	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous	A	No (or only a small number of collapsed cells with a spontaneous	A
Tuistan	reinflation)		reinflation)	•
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	Α
Folding lines used	No		No	
Large 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	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
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 $15^\circ$ to $45^\circ$	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°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric	Α			
collapse				
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A	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
16. Trim speed spin tendency	<b>A</b>			
Spin occurs	No	A	No	A
17. Low speed spin tendency	A		N1-	•
Spin occurs	No	A	No	A
18. Recovery from a developed spin	A Stone onigning in loss than 00°	٨	Stans asigning in lass than 00°	•
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall	A Changing source loss than 45°	۸	Changing source less than 45°	۸
Change of course before release Behaviour before release	Changing course less than 45°	A	Changing course less than 45°	A
	Remains stable with straight span	A	Remains stable with straight span Spontaneous in less than 3 s	A
Recovery	Spontaneous in less than 3 s	A		A
Dive forward angle on exit	Dive forward 0° to 30°		Dive forward 0° to 30°	A
Cascade occurs 20. Big ears	No A	A	No	A
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	A	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°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight	Α	,,		, ,
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	Α	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	А	Yes	А
Stall or spin occurs	No	А	No	А
23. Any other flight procedure and/or configuration described in the user's manual	0			
	not available	0	not available	0
Procedure works as described				
Procedure works as described Procedure suitable for novice pilots	not available	0	not available	0

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes





Classification: **B** 

In accordance with standards EN 926-1:2015, EN 926-2:2013 and NfL 2-565-20:

Date of issue (DMY):

Manufacturer:

Model:

Serial number:

PG\_1810.2021 02.06.2021 Sky Paragliders a.s. Kudos 2 XS 2351-11-0599

### Configuration during flight tests

Paraglider		Accessories									
Maximum weight in flight (kg)	75	75 Range of speed system (cm)									
Minimum weight in flight (kg)	55	Speed range using brakes (km/h)	13								
Glider's weight (kg)	4.1	Total speed range with accessories (km/h)	24								
Number of risers	3	Range of trimmers (cm)	0								
Projected area (m2)	19.36										
Harness used for testing (max weight		Inspections (whichever happens first)									
Harness type	ABS	every 12 months or every 100 flying hours									
Harness brand	Flugsau	Warning! Before use refer to user's manual									
Harness model	XX-Lite	Person or company having presented the glider for testing: <b>None</b>									
Harness to risers distance (cm)	40										
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>A A B A A A A</b>	ABA	A	A 0								

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# Flight test report: EN 926-2:2013 & LTF 91/09

Manufacturer	Sky Paragliders a.s.	Certification number	F	PG_1811.2021	
Address	Okruzní 39	Flight test	C	6.02.2018	
	73911 Frýdlant nad				
	Ostravicí Czech Republic				
Glider model	Kudos 2 S	Classification	Е		
			_	-	
Serial number	2261-11-1512	Representative		lone	
Trimmer	no	Place of test	1	/illeneuve	
Folding lines used	no				
Test pilot		Philippe Dupont	C	Claude Thurnheer	
Harness		Supair - Altiplume S	S	Supair - Altiplume M	
Harness to risers d	listance (cm)	44	4	4	
Distance between i	risers (cm)	40	4	4	
Total weight in flig		64		1	
			J	•	
1. Inflation/Take-off		Α			
Rising behaviour		Smooth, easy and constant rising	А	Smooth, easy and constant rising	А
Special take off technique	e required	No	А	No	А
2. Landing		Α			
Special landing technique		No	A	No	A
3. Speed in straight fligh		В			
Trim speed more than 30		Yes	A	Yes	A
	ontrols 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	to 00 km	Α			
Max. weight in flight up		Increasing / greater than EE am	^	not available	0
Symmetric control pressu Max. weight in flight 80		Increasing / greater than 55 cm	A	not available	0
Symmetric control pressu		not available	0	Increasing / greater than 60 cm	А
Max. weight in flight gre		not available	U	increasing / greater than oo chi	~
Symmetric control pressu	-	not available	0	not available	0
5. Pitch stability exiting		A	Ŭ		Ū
Dive forward angle on exi	-	Dive forward less than 30°	А	Dive forward less than 30°	А
Collapse occurs		No	Α	No	Α
6. Pitch stability operati flight	ng controls during accelerated	Α			
Collapse occurs		No	А	No	А
7. Roll stability and dam	ping	Α			
Oscillations		Reducing	А	Reducing	А
8. Stability in gentle spi	rals	А			
Tendency to return to stra	aight flight	Spontaneous exit	А	Spontaneous exit	А
9. Behaviour exiting a fu	ully developed spiral dive	Α			
Initial response of glider (		Immediate reduction of rate of turn	А	Immediate reduction of rate of turn	А
Tendency to return to stra	aight 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 nor	mal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	A
10. Symmetric front col	lapse	Α			
Approximately 30 % cho	ord				
Entry		Rocking back less than 45°	A	Rocking back less than 45°	A

_				
Recovery	Spontaneous in less than 3 s	Α	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	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	А	Dive forward 0° to 30° / Keeping course	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	А	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	А	No	А
Folding lines used	No	~	No	,,
11. Exiting deep stall (parachutal stall)	A			
		•	Vaa	^
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°	А	Changing course less than 45°	A
Cascade occurs	No	Α	No	А
12. High angle of attack recovery	Α			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
Cascade occurs	No	Α	No	А
13. Recovery from a developed full stall	В			
Dive forward angle on exit	Dive forward 30° to 60°	В	Dive forward 0° to 30°	А
Collapse	No collapse	А	No collapse	А
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	Α	Most lines tight	A
14. Asymmetric collapse	B			
Small asymmetric collapse	5			
Change of course until re-inflation / Maximum dive forward or	Less than 90° / Dive or roll angle	А	Less than 90° / Dive or roll angle	А
roll angle	0° to 15°		0° to 15°	
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	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of	А	No (or only a small number of	А
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
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°	A	Less than 90° / Dive or roll angle $15^\circ$ to $45^\circ$	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A

Total change of course	Less than 360°	Α	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	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	А
Total change of course	Less than 360°	Α	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	Α	No	А
Cascade occurs	No	Α	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	А
17. Low speed spin tendency	Α			
Spin occurs	No	А	No	А
18. Recovery from a developed spin	Α			
Spin rotation angle after release	Stops spinning in less than $90^\circ$	Α	Stops spinning in less than 90°	А
Cascade occurs	No	А	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	А	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	Α	No	А
20. Big ears	Α			
Entry procedure	Dedicated controls	A	Dedicated controls	А
Behaviour during big ears	Stable flight	A	Stable flight	A
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	A			
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	A	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°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	A		N <sub>2</sub> -	
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	A			0
Procedure works as described	Yes	A	not available	0
Procedure suitable for novice pilots	Yes	A	not available	0
Cascade occurs	No	A	not available	0
24. Comments of test pilot				

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes





Classification: **B** 

In accordance with standards EN 926-1:2015, EN 926-2:2013 and NfL 2-565-20:

Date of issue (DMY):

Manufacturer:

Model:

Serial number:

PG\_1811.2021 02.06.2021 Sky Paragliders a.s. Kudos 2 S 2261-11-1512

### Configuration during flight tests

Para	glide	r									А	cces	sorie	s										
Maxir	num	weig	ht in f	light	(kg)			8	31		R	ange	of sp	eed :	syste	m (cr	n)				13			
Minim	านm ง	veigh	it in fl	ight (	kg)			(	64		S	peed	rang	e usii	ng br	akes	(km/ł	1)			13			
Glide	r's we	eight	(kg)					4	4.3		Т	otal s	peed	rang	e wit	h acc	esso	ries (l	km/h)	)	24			
Numb	ber of	riser	S					:	3		R	ange	of tri	mme	rs (cr	n)				0				
Proje	cted	area	(m2)					2	20.68	5														
Harn	ess i	ised	for te	esting	<b>g</b> (ma	ix we	ight)				Ir	nspec	tion	s (wh	ichev	er ha	ppen	s firs	t)					
Harne	ess ty	/pe							ABS		e	very <sup>·</sup>	12 ma	onths	or ev	/ery 1	00 fly	/ing ł	ours					
Harne	ess b	rand						9	Supa	ir	W	/arnir	ng! Be	efore	use r	efer t	o use	er's m	anua	al				
Harne	ess m	nodel							Altipl M	lume		ersor lider f					pres	entec	l the					
Harne	ess to	o rise	rs dis	tance	e (cm	)		4	14															
Dista	nce b	etwe	en ris	sers (	cm)			4	14															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
Δ	Δ	в	Α	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	в	в	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ		

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# Flight test report: EN 926-2:2013 & LTF 91/09

Type       Type         Gifder model       Kudos 2 M       Classification       B         Gifder model       Kudos 2 M       Classification       None         Trimmer       no       Place of test       Villeneuve         Folding lines used       no       Supersentative       None         Test pilot       Claude Thurnheer       Alexandre Jofresa       Hamess to risers distance (cm)       40         Harness to risers distance (cm)       40       44       44         Total weight in flight (kg)       74       94         1.InflationTakeoff       A       Smooth, easy and constant rising A       Smooth, easy and constant rising A         Special take off technique required       No       A       No       A         Special lation factoring technique required       No       A       No       A         Special lation factoring technique required       No       A       No       A         Special lation so the mas 0 kmh       Yes       A       Yes       A         Special lation so the mas 0 kmh       Yes       A       Yes       A         Special lation gave many constant rising A       No       No       A         Special lation facthifight weator than 30 kmh       Yes						
Type       Type         Gifaer model       Kudos 2 M       Classification       B         Gifaer model       Kudos 2 M       Classification       None         Trimmer       no       Place of test       Villeneuve         Folding lines used       no       Supersentative       None         Test pilot       Claude Thurnheer       Alexandre Jofresa       Hamess         Hamess to risers distance (cm)       40       44       44         Distance between risers (cm)       40       44       44         Total weight in flight (kg)       74       94       A         Special lacks off technique required       No       A       Smooth, easy and constant rising A         Special lacks off technique required       No       A       No       A         Special lacks off technique required       No       A       No       A         Special lacks off technique required       No       A       No       A         Special lacks off technique required       No       A       No       A         Special lacks off technique required       No       A       No       A         Special lacks off technique required       No       A       No       A	Manufacturer	Sky Paragliders a.s.	Certification number	F	PG_1812.2021	
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Entry Rocking back less than 45° A Rocking back less than 45° A	Approximately 30 % cho	ord				
	Entry		Rocking back less than $45^{\circ}$	А	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	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	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	А	No	А
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	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	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Change of course	Changing course less than 45°	А	Changing course less than 45°	А
Cascade occurs	No		No	A
12. High angle of attack recovery	A			
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall	A	7.		7.
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
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	А
14. Asymmetric collapse	B		, , , , , , , , , , , , , , , , , , ,	
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°	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of	А	No (or only a small number of	А
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
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°	A	Less than 90° / Dive or roll angle 0° to 15°	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	Α

Total change of course	Less than 360°	Α	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	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	Α	No	А
Cascade occurs	No	Α	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	А	More than 50 % of the symmetric control travel	А
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	А
17. Low speed spin tendency	Α			
Spin occurs	No	А	No	А
18. Recovery from a developed spin	Α			
Spin rotation angle after release	Stops spinning in less than 90°	А	Stops spinning in less than 90°	А
Cascade occurs	No	А	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	А	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	А	No	А
20. Big ears	Α			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
21. Big ears in accelerated flight	Α			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while	Stable flight	А	Stable flight	А
maintaining big ears				
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	А	No	А
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
24. Comments of test pilot				

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes





Classification: **B** 

In accordance with standards EN 926-1:2015, EN 926-2:2013 and NfL 2-565-20:

Date of issue (DMY):

Manufacturer:

Model:

Serial number:

PG\_1812.2021 02.06.2021 Sky Paragliders a.s. Kudos 2 M 2560-11-1268

### Configuration during flight tests

Parag	glide	r									А	cces	sorie	s									
Maxir	mum	weig	ht in f	light	(kg)			9	94		R	Range of speed system (cm)											
Minim	านm ง	weigh	nt in fl	ight (	kg)			•	74 Speed range using brakes (km/h)											13			
Glide	r's we	eight	(kg)					4	4.4		Т	otal s	speed	rang	e witl	h acc	esso	ries (l	km/h)	)			
Numb	per of	f risei	s					;	3		R	ange	of tri	mme	rs (cr	n)				0			
Proje	cted	area	(m2)					:	22.09	)													
Harn	ess ı	used	for te	esting	<b>g</b> (ma	ıx we	ight)				Ir	nspec	ction	s (wh	ichev	er ha	pper	s firs	t)				
Harne	ess ty	/pe							ABS		e	very	12 m	onths	or ev	/ery 1	00 fl	ying h	nours				
Harne	ess b	rand						:	Supa	ir	V	/arnir	ng! Be	efore	use r	efer t	o use	er's m	nanua	al			
Harne	ess n	nodel							Altipl M	lume			n or c for te				pres	entec	the				
Harne	ess to	o rise	rs dis	tance	e (cm	)			44														
Dista	nce b	etwe	en ris	sers (	cm)			4	44														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	в	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	0	

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



# Flight test report: EN 926-2:2013 & LTF 91/09

Manufacturer	Sky Paragliders a.s.	Certification number	F	PG_1813.2021					
Address	Okruzní 39	Flight test	2	0.12.2017					
	73911 Frýdlant nad	C C							
	Ostravicí Czech Republic								
Clider model	Kudos 2 L	Classification							
Glider model			B						
Serial number	2261-11-1511	Representative	None						
Trimmer	no	Place of test	Villeneuve						
Folding lines used	no								
Test pilot		Claude Thurnheer	A	lain Zoller					
Harness		Niviuk Gliders - Hamak M	C	Gin Gliders - Gingo 2 L					
Harness to risers di	stance (cm)	42	4	3					
Distance between ri	sers (cm)	44	4	6					
Total weight in fligh		85		08					
rotar weight in high	r (ng)	00		00					
1. Inflation/Take-off		Α							
Rising behaviour		Smooth, easy and constant rising	А	· ,	А				
Special take off technique	required	No	A	No	A				
2. Landing		Α							
Special landing technique		No	Α	No	A				
3. Speed in straight flight		B		No.					
Trim speed more than 30 k		Yes	A	Yes	A				
Speed range using the cor Minimum speed		Yes Less than 25 km/h	A A	Yes 25 km/h to 30 km/h	A B				
4. Control movement			A		D				
Max. weight in flight up t	o 80 kg	2							
Symmetric control pressure		not available	0	not available	0				
Max. weight in flight 80 k			Ū		Ũ				
Symmetric control pressure		Increasing / greater than 60 cm	А	not available	0				
Max. weight in flight grea		3 3							
Symmetric control pressure	-	not available	0	Increasing / greater than 65 cm	А				
5. Pitch stability exiting a	accelerated flight	Α							
Dive forward angle on exit		Dive forward less than 30°	А	Dive forward less than 30°	А				
Collapse occurs		No	А	No	А				
6. Pitch stability operatin flight	g controls during accelerated	Α							
Collapse occurs		No	А	No	А				
7. Roll stability and damp	ping	A							
Oscillations		Reducing	А	Reducing	А				
8. Stability in gentle spira	als	Α							
Tendency to return to strai		Spontaneous exit	А	Spontaneous exit	А				
9. Behaviour exiting a ful		Α							
Initial response of glider (fi		Immediate reduction of rate of turn	A	Immediate reduction of rate of turn	Α				
Tendency to return to strai	ght flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	A	Spontaneous exit (g force decreasing, rate of turn decreasing)	A				
	1.01 1.1	Less than 720°, spontaneous	А	А					
Turn angle to recover norn	nal flight	recovery		recovery					
Turn angle to recover norn 10. Symmetric front colla				recovery					
-	ipse	recovery	A	recovery Rocking back less than 45°	A				

Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	A	Dive forward 0° to 30° Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	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	A	Dive forward 0° to 30° / Keeping	A
	course		course	
Cascade occurs	No	А	No	А
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	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	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No		No	A
12. High angle of attack recovery	A	~	No	~
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Cascade occurs	No	A	No	A
	A	~	NO	~
13. Recovery from a developed full stall	A Dive forward 0° to 30°	А	Dive forward 0° to 30°	۸
Dive forward angle on exit	No collapse			A
Collapse	•	A	No collapse	A
Cascade occurs (other than collapses)	No	A	No	A
Rocking back	Less than 45°	A	Less than 45°	A
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	Α	Spontaneous re-inflation	А
Total change of course	Less than 360°	Α	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	Α	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of	А	No (or only a small number of	А
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
Twist occurs	No	A	No	A
Cascade occurs	No	А	No	A
Folding lines used	No		No	
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 $15^{\circ}$ to $45^{\circ}$	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А

Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	А	More than 50 % of the symmetric control travel	А
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	А
17. Low speed spin tendency	Α			
Spin occurs	No	А	No	А
18. Recovery from a developed spin	Α			
Spin rotation angle after release	Stops spinning in less than 90°	А	Stops spinning in less than 90°	А
Cascade occurs	No	А	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	А	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	А	No	А
20 Big core				
20. Big ears	Α			
20. Big ears Entry procedure	A Dedicated controls	А	Dedicated controls	A
		A A	Dedicated controls Stable flight	
Entry procedure	Dedicated controls			А
Entry procedure Behaviour during big ears Recovery	Dedicated controls Stable flight	А	Stable flight	A A
Entry procedure Behaviour during big ears	Dedicated controls Stable flight Spontaneous in less than 3 s	A A	Stable flight Spontaneous in less than 3 s	A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A	Stable flight Spontaneous in less than 3 s	A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit <b>21. Big ears in accelerated flight</b>	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A	A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit <b>21. Big ears in accelerated flight</b> Entry procedure	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls Stable flight	A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight	A A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit <b>21. Big ears in accelerated flight</b> Entry procedure Behaviour during big ears	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls	A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls	A A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls Stable flight Spontaneous in less than 3 s	A A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s	A A A A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit <b>21. Big ears in accelerated flight</b> Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A A A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A A A A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit <b>21. Big ears in accelerated flight</b> Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	A A A A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	A A A A A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit <b>21. Big ears in accelerated flight</b> Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears <b>22. Alternative means of directional control</b>	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight <b>A</b>	A A A A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	A A A A A A A A
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit <b>21. Big ears in accelerated flight</b> Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears <b>22. Alternative means of directional control</b> 180° turn achievable in 20 s	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes	A A A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	A A A A A A A
<ul> <li>Entry procedure</li> <li>Behaviour during big ears</li> <li>Recovery</li> <li>Dive forward angle on exit</li> <li>21. Big ears in accelerated flight</li> <li>Entry procedure</li> <li>Behaviour during big ears</li> <li>Recovery</li> <li>Dive forward angle on exit</li> <li>Behaviour immediately after releasing the accelerator while maintaining big ears</li> <li>22. Alternative means of directional control</li> <li>180° turn achievable in 20 s</li> <li>Stall or spin occurs</li> <li>23. Any other flight procedure and/or configuration</li> </ul>	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight <b>A</b> Yes	A A A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	A A A A A A A
Entry procedureBehaviour during big earsRecoveryDive forward angle on exit21. Big ears in accelerated flightEntry procedureBehaviour during big earsRecoveryDive forward angle on exitBehaviour immediately after releasing the accelerator while maintaining big ears22. Alternative means of directional control180° turn achievable in 20 sStall or spin occurs23. Any other flight procedure and/or configuration described in the user's manual	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° <b>A</b> Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight <b>A</b> Yes No <b>0</b>	A A A A A A A A	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight Yes No	A A A A A A A A A A
Entry procedureBehaviour during big earsRecoveryDive forward angle on exit <b>21. Big ears in accelerated flight</b> Entry procedureBehaviour during big earsRecoveryDive forward angle on exitBehaviour during big earsRecoveryDive forward angle on exitBehaviour immediately after releasing the accelerator while maintaining big ears <b>22. Alternative means of directional control</b> 180° turn achievable in 20 sStall or spin occurs <b>23. Any other flight procedure and/or configuration described in the user's manual</b> Procedure works as described	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes No 0 not available	A A A A A A A A O	Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight Yes No	A A A A A A A A A A O

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes





Classification: **B** 

In accordance with standards EN 926-1:2015, EN 926-2:2013 and NfL 2-565-20:

Date of issue (DMY):

Manufacturer:

Model:

Serial number:

PG\_1813.2021 02.06.2021 Sky Paragliders a.s. Kudos 2 L 2261-11-1511

### Configuration during flight tests

Parag	glide	r									A	cces	sorie	s								
Maxir	num	weigl	ht in f	light	(kg)			108			R	Range of speed system (cm)								13		
Minimum weight in flight (kg)							85			S	Speed range using brakes (km/h)								13			
Glider's weight (kg)						4.5			Т	Total speed range with accessories (km/h)							)	24				
Number of risers						:	3		R	ange	of tri	mme	rs (cr	n)					0			
Proje	cted	area	(m2)					2	23.59													
Harness used for testing (max weight)											Inspections (whichever happens first)											
Harness type								ABS every 1					every 12 months or every 100 flying hours									
Harne	ess b	rand						(	Gin Gliders Warning! Before use refer to user's manual						al							
Harne	ess m	odel						(	Ginge	0 2 L		ersor lider f		•			pres	ented	l the			
Harne	ess to	rise	rs dis	tance	e (cm)	)		4	43													
Dista	nce b	etwe	en ris	sers (	cm)			4	46													
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Route du Pré-au-Comte 8 🔺 CH-1844 Villeneuve 🔺 +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



# Flight test report: EN 926-2:2013 & LTF 91/09

ManufacturerSky Paragliders a.s.Certification numberPG_1814.2021AddressNoruzni 39 73911 Frydlant nad Ostravici Czech RepublicFibit test19.04.2018Glider modelKudos 2 XLClassificationBSerial number2261-11-1510RepresentativeNoneTimmernoPlace of testVillenuveFolding lines usednoNoneImage: Serial SeriesTots pilotVillenuveAva Sport - Acro 1 LHarnessGlin Gliders - Gingo 2 LAva Sport - Acro 1 LHarness for isres / Starce (cm)4348Distance between risers (cm)4448Total weight in flight (ky)991251.inflationTake-offSmooth, easy and constant rising A NoASpecial landing technique requiredNoANoASpecial landing technique requiredNoANoSpecial landing technique requiredNoANoASpecial landing technique requiredNo <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th></t<>											
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8. Stability in gentle spirals       A         Tendency to return to straight flight       Spontaneous exit       A       Spontaneous exit       A         9. Behaviour exiting a fully developed spiral dive       A       Immediate reduction of rate of turn       A       Immediate reduction of rate of turn       A         Initial response of glider (first 180°)       Immediate reduction of rate of turn       A       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       A       A       A       A       A				А	Reducing	А					
Tendency to return to straight flightSpontaneous exitASpontaneous exitA9. Behaviour exiting a fully developed spiral diveAAInitial response of glider (first 180°)Immediate reduction of rate of turnAImmediate reduction of rate of turnATendency to return to straight flightSpontaneous exit (g force decreasing, rate of turn decreasing)ASpontaneous exit (g force decreasing, rate of turn decreasing)ATurn angle to recover normal flightLess than 720°, spontaneous recoveryALess than 720°, spontaneous recoveryA10. Symmetric front collapse Approximately 30 % chordAAA	8. Stability in gentle spi	rals	0								
9. Behaviour exiting a fully developed spiral dive       A         Initial response of glider (first 180°)       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 exit (g force decreasing)       A         10. Symmetric front collapse       A       A       A       A			Spontaneous exit	А	Spontaneous exit	А					
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decreasing, rate of turn decreasing)     decreasing, rate of turn decreasing)       Turn angle to recover normal flight     Less than 720°, spontaneous recovery       10. Symmetric front collapse     A       Approximately 30 % chord     A	Initial response of glider (	first 180°)	Immediate reduction of rate of turn	А	Immediate reduction of rate of turn	А					
Turn angle to recover normal flight       Less than 720°, spontaneous       A       Less than 720°, spontaneous       A         10. Symmetric front collapse       A       A       A       A         Approximately 30 % chord       A       A       A       A	Tendency to return to stra	aight flight		A		A					
10. Symmetric front collapse     A       Approximately 30 % chord     A	Turn angle to recover nor	mal flight		A Less than 720°, spontaneous A							
	10. Symmetric front col	apse									
Entry Rocking back less than 45° A Rocking back less than 45° A	Approximately 30 % cho	ord									
	Entry		Rocking back less than $45^{\circ}$	А	Rocking back less than 45°	Α					

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	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	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	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	А	Dive forward 0° to 30° / Keeping course	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	A			
Deep stall achieved	Yes	А	Yes	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
-				
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	Α			
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	А	No	A
13. Recovery from a developed full stall	В			
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 30° to 60°	В
Collapse	No collapse	А	No collapse	А
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	А	Most lines tight	А
14. Asymmetric collapse	В			
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	180° to 360° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle $15^{\circ}$ to $45^{\circ}$	A	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
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°	А	Less than 90° / Dive or roll angle 15° to 45°	А
Re-inflation behaviour	Spontaneous re-inflation	А	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	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	Α	No	А
Cascade occurs	No	Α	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	А	More than 50 % of the symmetric control travel	А
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	А
17. Low speed spin tendency	Α			
Spin occurs	No	А	No	А
18. Recovery from a developed spin	Α			
Spin rotation angle after release	Stops spinning in less than $90^\circ$	А	Stops spinning in less than 90°	А
Cascade occurs	No	А	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	А	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	А	No	А
20. Big ears	Α			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
21. Big ears in accelerated flight	Α			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	А
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	А	No	А
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
24. Comments of test pilot				

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

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes





Classification: **B** 

In accordance with standards EN 926-1:2015, EN 926-2:2013 and NfL 2-565-20:

Date of issue (DMY):

Manufacturer:

Model:

Serial number:

PG\_1814.2021 02.06.2021 Sky Paragliders a.s. Kudos 2 XL 2261-11-1510

### Configuration during flight tests

Parag	glide	r									Accessories												
Maxir	num	weig	ht in f	light	(kg)			125			R	Range of speed system (cm)									13.5		
Minimum weight in flight (kg)							ę	99		S	Speed range using brakes (km/h)									13			
Glider's weight (kg)							4.7			Т	Total speed range with accessories (km/h)								)	24			
Number of risers						3	3		R	ange	of tri	mme	rs (cn	n)					0				
Proje	cted	area	(m2)					2	25.2														
Harness used for testing (max weight)											Inspections (whichever happens first)												
Harness type									ABS every 12 months or every 100 flying hours														
Harne	ess b	rand							Ava Sport Warning! Before use refer to user's manual														
Harne	ess m	nodel							Acro	1 L			n or co for tes				pres	ented	l the				
Harne	ess to	o rise	rs dis	tance	e (cm)	)		4	18														
Dista	nce b	etwe	en ris	sers (	cm)			4	18														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	в	В	Α	Α	Α	Α	Α	Α	Α	Α	0	