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AIR TURQUOISE SA certified by



Flight test report: EN

Manufacturer	Dudek Paragliders S.J.	Certification number		PG_0580.2012	\smile
Address	ul. Centralna 2U 86-031 Osielsko Poland	Date of flight test		03. 05. 2012	
Representative	none	Place of test		Villleneuve	
Glider model	Nemo 2 XS	Classification		А	
Trimmer	no				
	· · · · · · ·	Schalbetter Cindy		Dupont Philippe	
	Harness	Rip'Air - XX-Lite		Sup air - Altiplume S	
	Total weight in flight (kg)	48		65	
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	Α
2. Landing		Α			
Special landing technique	•	No	A	No	A
3. Speed in straight fligh		Α			
Trim speed more than 30		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	Α	Less than 25 km/h	A
4. Control movement	00.4	Α			
Max. weight in flight up to	-	have a sing / and show the set of the	•		^
Symmetric control pressur		Increasing / greater than 55 cm	A	Increasing / greater than 55 cm	A
Max. weight in flight 80 kg Symmetric control pressu		not available	0	not available	0
Max. weight in flight great		not available	0	not available	0
Symmetric control pressu		not available	0	not available	0
		A	U		0
· · · · · · · · · · · · · · · · · · ·		Dive forward less than 30°	А	Dive forward less than 30°	А
Dive forward angle on exit Collapse occurs		No	A	No	A
	ng controls during accelerated	A	~		~
flight					
Collapse occurs		No	А	No	А
7. Roll stability and damping		Α			
Oscillations		Reducing	А	Reducing	А
8. Stability in gentle spir		Α			
Tendency to return to straight flight		Spontaneous exit	А	Spontaneous exit	А
9. Behaviour in a steeply	/ banked turn	Α			
Sink rate after two turns		12 m/s to 14 m/s	Α	12 m/s to 14 m/s	A
10. Symmetric front coll	apse	A			
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	/ Unange of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs		No	A	No	A
With accelerator		Desking have been the state			
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	А	No	А
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Change of course	Changing course less than 45°	А	Changing course less than 45°	А
Cascade occurs	No	А	No	А
12. High angle of attack recovery	Α			
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Cascade occurs	No	А	No	А
13. Recovery from a developed full stall	Α			
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Collapse	No collapse	А	No collapse	А
Cascade occurs (other than collapses)	No	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	A			
With 50% collapse	•			
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15° $$	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 75% collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 50% collapse and accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	А	Less than 90° / Dive or roll angle 0° to 15° $$	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 75% collapse and accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
15. Directional control with a maintained asymmetric	Α			
collapse				
Able to keep course	Yes	А	Yes	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

A A Spin occurs No A No A Spin occurs A Stops spinning in less than 90" A Stops spinning in less than 90" A Spin rotation angle after release Stops spinning in less than 90" A Stops spinning in less than 90" A Spin rotation angle after release No A No A Changing course less than 45" A Changing course less than 45" A Changing course less than 45" A Baline stall A Changing course less than 3 s A Changing course less than 3 s A Changing course less than 45" A Recovery Spontaneous in less than 3 s A Changing course less than 45" A Changing course less than 45" A Recovery Spontaneous in less than 3 s A Dive forward 0" to 30" A Dive forward 0" to 30" A Stable flight A Stable flight A Stable flight A Stable flight A Stable flight A Stable flight A Stable flight A Stable flight A Stable flight	16. Trim speed spin tendency	Α			
Spin occursNoANoANoA18. Recovery from a developed spin Cascade occursASpin rotation angle after releaseStops spinning in less than 90° NoAStops spinning in less than 90° AAChange of course before releaseChanging course less than 45° Remains stable with straight span span shall with straight span AAChanging course less than 45° AARecoverySpontaneous in less than 3 s Dive forward angle on exitSpontaneous in less than 3 s Dive forward 30° to 60°ANoA20. Big earsADedicated controlsASpontaneous in less than 3 s AASpontaneous in less than 3 s AA20. Big earsADedicated controlsAStable flightAStable flightARecoverySpontaneous in less than 3 s Dive forward 0° to 30°ADive forward 0° to 30°ADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°A21. Big ears in accelerated flightAStable flightAStable flightARecoverySpontaneous in less than 3 s Dive forward 0° to 30°ADive forward 0° to 30°A21. Big ears in accelerated flightAStable flightAStable flightARecoverySpontaneous in as to 5 s Dive forward 0° to 30°ADive forward 0° to 30°A22. Behaviour during big earsStable flightAStable flightARecoverySpontaneous exit Lass	Spin occurs	No	А	No	А
B. Recovery from a developed spin A Spin rotation angle after release Stops spinning in less than 90° A Stops spinning in less than 90° A Spin rotation angle after release No A No A DB -Line stall A Changing course less than 45° A Changing course less than 45° A Behaviour before release Changing course less than 3° A Spontaneous in less than 3° A Remains stable with straight span A Recovery Spontaneous in less than 3° A Spontaneous in less than 3° A Dive forward 0° to 30° A Backadio course No A No A No A Cascade occurs No A No A No A Stable flight A Stoptaneous in less than 3° A Spontaneous in less than 3° A Spontaneous in less than 3° A Spontaneous in less than 3° A Spontaneous in less than 3° A Spontaneous in less than 3° A Spontaneous in less than 3° A Spontaneous in less than 3° A Dive forward angle on exit Dive for	17. Low speed spin tendency	Α			
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Change of course before releaseChanging course less than 45° Remains stable with straight spanAChanging course less than 45° AAChanging course less than 45° AABehaviour before releaseRemains stable with straight spanARemains stable with straight spanARecoverySpontaneous in less than 3 s Dive forward 30° to 60°ADive forward 0° to 30° AACascade occursNoANoACascade occursANoANoCascade occursADedicated controlsADedicated controlsABehaviour during big earsStable flightAStable flightABehaviour during big earsStable flightAStable flightADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°A21. Big ears in accelerated flightAStable flightAStable flightABehaviour during big earsStable flightAStable flightAStable flightABehaviour during big earsStable flightAStable flightAStable flightABehaviour mediately after releasing the accelerator while maintaining big earsASpontaneous in 3 s to 5 sASpontaneous in less than 3 sADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°ADive forward 0° to 30°ADive forward gig earsStable flightAStable flightAStable flight </td <td>Cascade occurs</td> <td>No</td> <td>А</td> <td>No</td> <td>А</td>	Cascade occurs	No	А	No	А
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P1 Big each of accelerated flight A Entry procedure Dedicated controls A Dedicated controls A Behaviour during big ears Stable flight A Stable flight A Recovery Spontaneous in 3 s to 5 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 Stable flight A Stable flight A 22. Behaviour exiting a steep spiral A Spontaneous exit A Spontaneous exit A Turn angle to recover normal flight Spontaneous exit A Spontaneous exit A 23. Alternative means of directional control A Less than 720°, spontaneous recovery A Stall or spin occurs No A Yes A No A 24. Any other flight procedure and/or configuration described in the user's manual O No No A No A 24. Any other flight procedure and/or configuration described in the user's manual Not available O Not available O	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
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