

Flight test report: EN 926-2:2013

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Manufacturer	Axis Paragliding	Certification number		PG_0998.2015	
Address	Nove Sady 39	Date of flight test		01. 12. 2015	
	602 00 Brno	5			
	Czech Republic				
<u>Olidor model</u>		Classification		P	
Glider model	Pluto 3 S	Classification		В	
Serial number	145070140S	Representative		None	
Trimmer	no	Place of test		Villeneuve	
Test pilot		Dupont Philippe		Thurnheer Claude	
Harness		Sup' Air - Altiplume S		Sup' Air - Access M	
Harness to risers	distanco (cm)	43		43	
	. ,				
Distance between		40		44	
Total weight in flig	ht (kg)	60		85	
1. Inflation/Take-off		A			
Rising behaviour		Smooth, easy and constant rising	А	Smooth, easy and constant rising	А
Special take off techniqu	e required	No	А	No	А
2. Landing		Α			
Special landing technique required		No	А	No	А
3. Speed in straight flig	lht	Α			
Trim speed more than 30) km/h	Yes	А	Yes	А
Speed range using the c	ontrols larger than 10 km/h	Yes	А	Yes	А
Minimum speed		Less than 25 km/h	А	Less than 25 km/h	А
4. Control movement		Α			
4. Control movement <i>Max. weight in flight up</i>	o to 80 kg	Α			
	-	A Increasing / greater than 55 cm	A	not available	0
<i>Max. weight in flight up</i> Symmetric control press	ure / travel		A	not available	0
<i>Max. weight in flight up</i> Symmetric control press <i>Max. weight in flight 80</i>	ure / travel 9 kg to 100 kg		A 0		0 A
Max. weight in flight up Symmetric control press Max. weight in flight 80 Symmetric control press	ure / travel 9 kg to 100 kg ure / travel	Increasing / greater than 55 cm		not available Increasing / greater than 60 cm	
Max. weight in flight up Symmetric control press Max. weight in flight 80 Symmetric control press Max. weight in flight gr	ure / travel 9 kg to 100 kg ure / travel eater than 100 kg	Increasing / greater than 55 cm not available	0	Increasing / greater than 60 cm	A
Max. weight in flight up Symmetric control press Max. weight in flight 80 Symmetric control press Max. weight in flight gr Symmetric control press	ure / travel 9 kg to 100 kg ure / travel eater than 100 kg ure / travel	Increasing / greater than 55 cm not available not available			
Max. weight in flight up Symmetric control press Max. weight in flight 80 Symmetric control press Max. weight in flight gr Symmetric control press 5. Pitch stability exiting	ure / travel 9 kg to 100 kg ure / travel eater than 100 kg ure / travel g accelerated flight	Increasing / greater than 55 cm not available not available A	0	Increasing / greater than 60 cm not available	A 0
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10. Symmetric front collapse

Α

Annewimetaly 20 % about				
Approximately 30 % chord	Pooking book loss than 45°	^	Posking back loss than 15°	А
Entry	Rocking back less than 45° Spontaneous in less than 3 s	A A	Rocking back less than 45° Spontaneous in less than 3 s	A
Recovery Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping	A	Dive forward 0° to 30° Keeping	A
Dive forward angle of exit change of course	course	~	course	~
Cascade occurs	No	А	No	А
Folding lines used	No	А	No	А
At least 50% chord				
Entry	Rocking back less than 45°	Α	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	А	No	А
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	A	Dive forward 0° to 30° / Keeping	A
Dive forward angle on exit? Onlange of course	course	~	course	Л
Cascade occurs	No	А	No	А
Folding lines used	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	A	No	A
13. Recovery from a developed full stall	В			
Dive forward angle on exit	Dive forward 30° to 60°	В	Dive forward 0° to 30°	A
Collapse	No collapse	Α	No collapse	Α
Cascade occurs (other than collapses)	No	Α	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° $$	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	А	No	А
Large asymmetric collapse				
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 0°	А
roll angle	15° to 45°	~	to 15°	73
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	Α	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°	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 (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	А	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° 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	А	No	А
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	А	More than 50 % of the symmetric	А
	symmetric control travel		control travel	
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	A
17. Low speed spin tendency	Α			
Spin occurs	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 less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall	A			
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	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

А
Α
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24. Comments of test pilot

Comments