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AIR TURQUOISE SA certified by





					1828
Manufacturer	Ozone Gliders	Certification number		PG_0530.2012	
Address	2, Queens Drive	Date of flight test		26. 01. 2012	
	LA46LN . UK				
Representative	Ogden Russel	Place of test		Villeneuve	
Glider model	LM4 L	Classification		D	
Trimmer		Chaodinication		2	
	no				
	Test pilot	Thurnheer Claude		Zoller Alain	
	Harness	Niviuk - Hamak M		Gin Gliders - Gingo 2 L	
	Total weight in flight (kg)	100		120	
1. Inflation/Take-off		C		120	
Rising behaviour		Overshoots, shall be slowed	С	Overshoots, shall be slowed down	С
· · · · · · · · · · · · · · · · · · ·		down to avoid a front collapse	-	to avoid a front collapse	-
Special take off technique	erequired	No	А	No	А
2. Landing		Α			
Special landing technique	erequired	No	А	No	А
3. Speed in straight flight	nt	В			
Trim speed more than 30	km/h	Yes	А	Yes	А
Speed range using the controls larger than 10 km/h		Yes	А	Yes	А
Minimum speed		25 km/h to 30 km/h	В	25 km/h to 30 km/h	В
4. Control movement		С			
Max. weight in flight up to	80 kg				
Symmetric control pressure / travel		not available	0	not available	0
Max. weight in flight 80 kg to 100 kg					
Symmetric control pressure / travel		not available	0	not available	0
Max. weight in flight greater than 100 kg					
Symmetric control pressure / travel		Increasing / greater than 65 cm	А	Increasing / 50 cm to 65 cm	С
5. Pitch stability exiting	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
	ng controls during accelerated	Α			
flight		Ne	•	Na	•
Collapse occurs		No	A	No	A
7. Roll stability and dam	iping	A	•	Deducies	^
Oscillations	rolo	Reducing	Α	Reducing	A
8. Stability in gentle spirals		A Spontaneous exit	^	Spontopoque ovit	^
Tendency to return to straight flight		B	A	Spontaneous exit	A
9. Behaviour in a steeply banked turn		12 m/s to 14 m/s	۸	More than 14 m/s	в
Sink rate after two turns	2050	C	A	More than 14 m/s	D
10. Symmetric front collapse		C Rocking back less than 45°	А	Rocking back less than 45°	А
Entry Recovery		Spontaneous in 3 s to 5 s	B	Spontaneous in 3 s to 5 s	B
Recovery Dive forward angle on exit / Change of course		Dive forward 0° to 30° / Keeping	A	Dive forward 30° to 60° / Keeping	B
Dive IOI walu aliyie oli exi	Crange of course	course	А	course	U
Cascade occurs		No	А	No	А
With accelerator					
Entry		Rocking back greater than 45°	С	Rocking back less than 45°	А

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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	Dive forward 30° to 60° / Keeping course	В
Cascade occurs	No	A	No	A
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	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°	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	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	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	D			
With 50% 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 75% collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	180° to 360° / Dive or roll angle 45° to 60°	С	180° to 360° / Dive or roll angle 45° to 60°	С
Re-inflation behaviour	Spontaneous re-inflation	Α	Inflates in less than 3 s from start of pilot action	С
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	Yes, no turn reversal	С
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	90° to 180° / Dive or roll angle 15° to 45°	В	Less than 90° / Dive or roll angle 45° to 60°	С
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	Yes, no turn reversal	С
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	180° to 360° / Dive or roll angle 60° to 90°	D	90° to 180° / Dive or roll angle 60° to 90°	С
Re-inflation behaviour	Spontaneous re-inflation	Α	Inflates in 3 s to 5 s from start of pilot action	D
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	Yes, no turn reversal	С	Yes, causing turn reversal	D
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	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A	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	A
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	Α
17. Low speed spin tendency	D			
Spin occurs	Yes	D	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	С			
Change of course before release	Changing course less than 45°	А	Changing course more than 45°	С
Behaviour before release	Remains stable without straight span	С	Remains stable without straight span	С
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 30° to 60°	А
Cascade occurs	No	А	No	А
20. Big ears	В			
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 3 s to 5 s	В
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
21. Big ears in accelerated flight	В			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Recovery through pilot action in less than a further 3 s	В	Recovery through pilot action in less than a further 3 s	В
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	А	Stable flight	A
22. Behaviour exiting a steep spiral	Α			
Tendency to return to straight flight	Spontaneous exit	А	Spontaneous exit	Α
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	A
Sink rate when evaluating spiral stability [m/s]	16		27	
23. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	А	No	А
24. Any other flight procedure and/or configuration described in the user's manual	0			
	and a collected	0	not available	0
Procedure works as described	not available	v		
Procedure works as described Procedure suitable for novice pilots	not available	0	not available	0
			not available not available	0 0
Procedure suitable for novice pilots	not available	0		