


FTR - Flight Test Report / Tandem Trimmer: geschlossen / closed

Dieser Prüfbericht darf ohne schriftliche Zustimmung der EAPR nicht, auch nicht auszugsweise, vervielfältigt werden.

Manufacturer	 AIRDESIGN GmbH Röhrlbergstraße 9 A-6967 Absam	Type testing No.	EAPR-GS-0333/15
		serial number	xa04xxlipp143010a
Model	HIKE	Location	Achensee Achensee



Rev. 2.3 - 17.11.2014
 EAPR GmbH - Marktstr. 11
 D-87730 Bad Grönenbach - Germany

Date of testing	28.10.2014	Minimum take off weight	110 kg	Maximum take off weight	180 kg
Testpilot	Anselm Rauh			Mike Küng	
Harness	EAPR leicht			EAPR-Testequipment	
Pilot's take off weight		109 kg		180 kg	

Classification	B
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Test-criteria	Minimum take off weight	Evaluation	Maximum take off weight	Evaluation
1. Inflation / take-off - 4.4.1				
Rising behavior	Smooth, easy and constant rising, no pilot correction required	A	Smooth, easy and constant rising, no pilot correction required	A
Special take off technique required	No	A	No	A
2. Landing - 4.4.2				
Special landing technique required	No	A	No	A
3. Speeds in straight flight - 4.4.3				
Trim speed more than 30km/h	Yes	A	Yes	A
Speed range using the controls larger than 10km/h	Yes	A	Yes	A
Minimum speed	Less than 25 km/h	A	25 km/h to 30 km/h	B
4. Control movement - 4.4.4				
Max. weight in flight up to 80kg	Increasing > 65cm	A	Increasing > 65cm	A
7. Roll stability and damping - 4.4.7				
Oscillations	Reducing	A	Reducing	A
8. Stability in gentle spirals - 4.4.8				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
9. Behaviour exiting a fully developed spiral dive - 4.4.9				
Initial response of glider (first 180°)	Immediate reduction of rate in turn	A	No immediate reaction	B
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	720° to 1080°, spontaneous recovery	B
10. Symmetric front collapse - 4.4.10				
Folding lines used	No		No	
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 sec	A	Spontaneous in less than 3 sec	A
Dive forward angle on exit	0° - 30° Keeping course	A	30° - 60° Keeping course	B
Cascade occurs	No	A	No	A
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 sec	A	Spontaneous in less than 3 sec	A
Dive forward angle on exit	0° - 30° Keeping course	A	30° - 60° Entering a turn of less than 90°	B
Cascade occurs	No	A	No	A
11. Exiting deep stall (parachutal stall) - 4.4.11				
Deep stall achieved	Yes		Yes	
Recovery	Spontaneous in less than 3 sec	A	Spontaneous in less than 3 sec	A
Dive forward angle on exit	0° - 30°	A	30° - 60°	B
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 - 4.4.12				
Recovery	Spontaneous in less than 3 sec	A	Spontaneous in less than 3 sec	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall - 4.4.13				
Dive forward angle on exit	0° - 30°	A	30° - 60°	B
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapse)	No	A	No	A
Rocking backward	Less than 45°	A	Less than 45°	A
Line tension	Most lines tight	A	Most lines tight	A

14. Asymmetric collapse (trim speed) - 4.4.14									
Folding lines used		No			No				
Change of course until re-inflation	trim speed, max 50% collapse	< 90°	Dive or roll angle	0° - 15°	A	< 90°	Dive or roll angle	15° - 45°	A
Re-inflation behavior		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			A	No			A
Twist occurs		No			A	No			A
Cascade occurs	No			A	No			A	
Change of course until re-inflation	trim speed, max 75% collapse	< 90°	Dive or roll angle	15° - 45°	A	90° - 180°	Dive or roll angle	15° - 45°	B
Re-inflation behavior		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			A	No			A
Twist occurs		No			A	No			A
Cascade occurs	No			A	No			A	
15. Directional control with a maintained asymmetric collapse - 4.4.15									
Able to keep course straight	Yes				A	Yes			A
180° turn away from the collapsed side possible in 10 sec	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 - 4.4.16									
Spin occurs	No				A	No			A
17. Low speed spin tendency - 4.4.17									
Spin occurs	No				A	No			A
18. Recovery from a developed spin - 4.4.18									
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 - 4.4.19									
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			A
Recovery	Spontaneous in less than 3 sec				A	Spontaneous in less than 3 sec			A
Dive forward angle on exit	0° - 30°				A	0° - 30°			A
Cascade occurs	No				A	No			A
20. Big ears - 4.4.20									
Entry procedure	Special device required				A	Standard technique			A
Behaviour during big ears	Stable flight				A	Stable flight			A
Recovery	Spontaneous in 3 to 5 sec				B	Spontaneous in less than 3 sec			A
Dive forward angle on exit	0° - 30°				A	0° bis 30°			A
23. Alternative means of directional control - 4.4.22									
180° turn achievable in 20 sec	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 - 4.4.23									
Procedure works as described					NA				NA
Procedure suitable for novice pilots					NA				NA
Cascade occurs					NA				NA
24. Remarks of testpilot:									