

FTR - Flight Test Report

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

Manufacturer	 UP International Kreuzackbahnstraße 7 D-82462 Garmisch-Partenkirchen	Type testing No.	EAPR-GS-0579/17
		serial number	
Model	Summit XC-4 SM	Location	Achensee
Comment			Schruns



Rev. 2.3 - 26.11.2014
 EAPR GmbH - Marktstr. 11
 D-87730 Bad Grönenbach - Germany

Date of testing	15.11.2016	Minimum take off weight	75 kg	Maximum take off weight	95 kg
Testpilot		Mike Küng		Hannes Tschofen	
Harness		EAPR Equipment		EAPR	
Pilot's take off weight		75 kg		100 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	Easy rising, some pilot correction is required	B	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	25 km/h to 30 km/h	B	25 km/h to 30 km/h	B
4. Control movement - 4.4.4				
Max. weight in flight up to 80kg		-		-
Max. weight in flight 80 to 100kg	Increasing > 60cm	A	Increasing > 60cm	A
Max. weight in flight greater than 100kg		-		-
5. Pitch stability exiting accelerated flight - 4.4.5				
Dive forward angle on exit	Dive forward less than 30°	A	Dive forward less than 30°	A
Collapse occurs	No	A	No	A
6. Pitch stability operating controls during accelerated flight - 4.4.6				
Collapse occurs	No	A	No	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°)	No immediate reaction	B	No immediate reaction	B
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
Turn angle to recover normal flight	720° to 1080°, spontaneous recovery	B	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	0° - 30° Keeping course	A
Cascade occurs	No	A	No	A
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in 3 to 5 sec	B	Spontaneous in less than 3 sec	A
Dive forward angle on exit	30° - 60° Keeping course	B	0° - 30° Keeping course	A
Cascade occurs	No	A	No	A
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in 3 to 5 sec	B	Spontaneous in 3 to 5 sec	B
Dive forward angle on exit	30° - 60° Keeping course	B	0° - 30° Entering a turn of less than 90°	A
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	0° - 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A

