Clubs

DH

DHV Databases

HV TESTREPORT LTF	S LIST OPERATING INSTRUCTION PRINT	
SKYWALK ARAK AIR L		
Type designation Type test reference no	•	
	Skywalk GmbH & Co. KG Skywalk GmbH & Co. KG	
Winch towing Number of seats min / max	Yes 1 / 1	
Accelerator Trimmers	No BEHAVIOUR AT MIN WEIGHT IN	BEHAVIOUR AT MAX WEIGHT
Test pilots	FLIGHT (95KG)	IN FLIGHT (119KG)
	Harald Buntz No release	Sebastian Mackrodt No release
	B Easy rising, some pilot correction is required	Easy rising, some pilot correction is
Special take off technique required	No	required No
Special landing technique required	<u> </u>	No No
Speeds in straight flight Trim speed more than 30 km/h	Yes	Yes
Speed range using the controls larger than 10 km/h	Yes	Yes Less than 25 km/h
		A
Symmetric control pressure Symmetric control travel	_	Increasing Greater than 65 cm
Pitch stability exiting accelerated flight Dive forward angle on exit	-	A Dive forward less than 30°
Collapse occurs Pitch stability operating controls during		No
accelerated flight Collapse occurs	No No	No No
Roll stability and damping Oscillations	<u>i</u>	A Reducing
		A
Tendency to return to straight flight		Spontaneous exit
Initial response of glider (first 180°) Tendency to return to straight flight	en : keine unmittelbare Reaktion Spontaneous exit (g force decreasing, rate of	
Turn angle to recover normal flight	turn decreasing)	rate of turn decreasing) Less than 720°, spontaneous recovery
<u></u>	Rocking back less than 45°	Rocking back less than 45°
Recovery Dive forward angle on exit Change of course		Spontaneous in less than 3 s Dive forward 30° to 60° Keeping course
Cascade occurs Folding lines used	No	No no
Unaccelerated collapse (at least 50 % chord) Entry	Rocking back less than 45°	Rocking back less than 45°
Recovery Dive forward angle on exit	Spontaneous in less than 3 s Dive forward 0° to 30°	Spontaneous in less than 3 s Dive forward 0° to 30°
Change of course Cascade occurs Folding lines used	No	Keeping course No no
	-	В
	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 30° to 60°	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 30° to 60°
Change of course Cascade occurs Folding lines used	No	Keeping course No no
		A
Deep stall achieved Recovery Dive forward angle on exit	Spontaneous in less than 3 s	Yes Spontaneous in less than 3 s Dive forward 0° to 30°
	Changing course less than 45°	Changing course less than 45° No
High angle of attack recovery	A	A
Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Cascade occurs	No	No No
Recovery from a developed full stall Dive forward angle on exit	No A	•
Cascade occurs Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back	No A Dive forward 0° to 30° No collapse No Less than 45°	No No No Dive forward 0° to 30° No collapse No Less than 45°
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Behaviour during big ears Stable flight

Behaviour immediately after releasing the Stable flight accelerator while maintaining big ears

No other flight procedure or configuration described in the user's manual

180° turn achievable in 20 s Yes

Stall or spin occurs No

Any other flight procedure and/or configuration described in the user's manual

Big ears in accelerated flight

Alternative means of directional control

Dive forward angle on exit Dive forward 0° to 30°

Dive forward angle on exit Dive forward 0° to 30°

Entry procedure Standard technique

Recovery Spontaneous in 3 s to 5 s

Recovery Spontaneous in 3 s to 5 s

Stable flight

Stable flight

Yes

No

Spontaneous in 3 s to 5 s

Spontaneous in 3 s to 5 s

Dive forward 0° to 30°

Dive forward 0° to 30°

Standard technique