Clubs

DH

DHV Databases

HV TESTREPORT LTF	S LIST OPERATING INSTRUCTION PRINT	
SKYWALK MASALA3 S		
Type designation Type test reference no Holder of certification	-	
Manufacturer Classification	Skywalk GmbH & Co. KG A	
Number of seats min / max Accelerator	1 / 1 Yes	
	BEHAVIOUR AT MIN WEIGHT IN FLIGHT (70KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (95KG)
Test pilots		
		Harald Buntz
Special take off technique required		Smooth, easy and constant rising No
Special landing technique required	No	No .
Trim speed more than 30 km/h Speed range using the controls larger than 10	Yes	Yes Yes
km/h	Less than 25 km/h	Less than 25 km/h
Symmetric control pressure Symmetric control travel	Increasing	Increasing Greater than 60 cm
Pitch stability exiting accelerated flight	Α	A
Dive forward angle on exit Collapse occurs		Dive forward less than 30° No
Pitch stability operating controls during accelerated flight Collapse occurs	A No	No
		A
	Α	Reducing A
Tendency to return to straight flight Behaviour exiting a fully developed spiral dive		Spontaneous exit
Initial response of glider (first 180°) Tendency to return to straight flight		Immediate reduction of rate of turn Spontaneous exit (g force decreasing, rate of turn decreasing)
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Less than 720°, spontaneous recovery
Entry Recovery	Rocking back less than 45° Spontaneous in less than 3 s	Rocking back less than 45° Spontaneous in less than 3 s
Dive forward angle on exit Change of course Cascade occurs	Keeping course No	Dive forward 0° to 30° Keeping course No
Folding lines used <u>Unaccelerated collapse (at least 50 % chord)</u>		no A
-	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30°	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30°
	Entering a turn of less than 90° No	Entering a turn of less than 90° No no
Accelerated collapse (at least 50 % chord)	Α	A
	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30°	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30°
Change of course Cascade occurs Folding lines used		Entering a turn of less than 90° No no
Exiting deep stall (parachutal stall) Deep stall achieved		Yes
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 college	Changing course less than 45°	Changing course less than 45°
Cascade occurs	No	No
Cascade occurs High angle of attack recovery	No A Spontaneous in less than 3 s	
High angle of attack recovery Recovery Cascade occurs Recovery from a developed full stall	A Spontaneous in less than 3 s No	No Spontaneous in less than 3 s No
Recovery Recovery Cascade occurs Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses)	A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No	No Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No
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Alternative means of directional control 180° turn achievable in 20 s Yes **Stall or spin occurs** No No Any other flight procedure and/or configuration described in the user's manual

Recovery Spontaneous in 3 s to 5 s

Spontaneous in 3 s to 5 s

Dive forward 0° to 30°

Dedicated controls

Stable flight

Stable flight

Dive forward angle on exit Dive forward 0° to 30° $\,$

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

Entry procedure Dedicated controls

Big ears in accelerated flight