



TEST REPORT DHV 03 ADVANCE ALPHA 4 23

Type Advance Alpha 4 23
Certificate-No DHV GS-01-1655-07
Holder of certificate [ADVANCE Thun AG](#)
Manufacturer [ADVANCE Thun AG](#)
Classification 1 GH
Winch tow Yes
Number of seats min / Number of seats max 1 / 1
Accelerator? Yes
Trimmers? No



	BEHAVIOUR AT MIN WEIGHT IN FLIGHT(55 KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT(75 KG)
Take off	1	1
Inflation	evenly, immediately	evenly, immediately
Rising behaviour	immediately comes over pilot	immediately comes over pilot
Take off speed	average	average
Take off handling	easy	easy
Straight flight	1	1
Roll damping	high	high
Turn handling	1	1
Spin tendency	not available	not available
Control travel	high	high
Agility	average	average
Symmetric stall	1	1
Deep-stall limit	late > 75 cm	late > 75 cm
Full stall limit	late > 80 cm	late > 80 cm
Increase in steering power	high	high
Front collapse	1	1
Pre-acceleration	average	average
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Asymmetric collapse	1	1
Turn tendency	< 90 degrees	< 90 degrees
Change of course	< 90 degrees	< 90 degrees
Rate of turn	average with deceleration	average
Max. roll/pitch angle	less than 45 degrees	less than 45 degrees
Loss of altitude	average	average

Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous	spontaneous
Countersteering an asymmetric collapse	1	1
Stabilization	countersteering easy	countersteering easy
Control travel	high	high
Control pressure increase	high	high
Turn in opposite direction	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Full stall, symm. exit	1	1
Spin out of straight flight	1	1
Spin out of turn	1	1
Spiral dive	1	1
Entry	easy	easy
Spin tendency	not available	not available
Exit	turn continues through < 180 degrees	turn continues through < 180 degrees
Sink rate after 720 ° 9 [m/s]		11
B-line stall	1	1
Entry	easy	easy
Exit	delayed acceleration < 4 sec	spontaneous
Big ears	1	1
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly
Landing	1	1
Landing behaviour	easy	easy
Front collapse (accelerated)	1	1
Pre-acceleration	average	average
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Asymmetric collapse (accelerated)	1	1
Turn tendency	< 90 degrees	< 90 degrees
Change of course	90 - 180 degrees	90 - 180 degrees
Rate of turn	average with deceleration	average
Max. roll/pitch angle	less than 45 degrees	less than 45 degrees
Loss of altitude	average	average
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous	spontaneous
Big ears accelerated	1	1
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly
Supplementary remarks		