

TEST REPORT DHV 03 APCO KARMA XS

Type Apco Karma XS

Certificate-No DHV GS-01-1536-06

Holder of certificate [Apco Aviation Ltd.](#)

Manufacturer [Apco Aviation Ltd.](#)

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	average	average
Turn handling	1	1
Spin tendency	slight	slight
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	slight	slight
Opening behaviour	spontaneous, quickly	spontaneous, quickly

Asymmetric collapse	1	1
Turn tendency < 90 degrees		< 90 degrees
Change of course 90 - 180 degrees		90 - 180 degrees
Rate of turn slight with deceleration		slight
Max. roll/pitch angle less than 45 degrees		less than 45 degrees
Loss of altitude slight		slight
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 slight		slight
Exit turn continues through < 180 degrees		turn continues through < 180 degrees
Sink rate after 720 ° [m/s] 8		10
B-line stall	1	1
Entry easy		easy
Exit spontaneous		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	slight	slight
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	slight with deceleration	slight
Max. roll/pitch angle	less than 45 degrees	less than 45 degrees
Loss of altitude	slight	slight
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous	spontaneous
Big ears accelerated	1	1
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly
Supplementary remarks		