

TEST REPORT DHV 03 MAC PARA ENVY 23

Type Mac Para Envy 23

Certificate-No DHV GS-01-1557-06

Holder of certificate Skyline Flight Gear GmbH & Co. KG

Manufacturer MAC Para Technology Ltd

Classification 2 GH

Winch tow Yes

Number of seats min / Number of seats max 1 / 1

Accelerator? Yes

Trimmers? No

	BEHAVIOUR AT MIN WEIGHT IN FLIGHT(65 KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT(80 KG)
Take off	1-2	1-2
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	1-2	1-2
Roll damping	average	average
Turn handling	2	2
Spin tendency	slight	slight
Control travel	average	average
Agility	high	high
Symmetric stall	1-2	1-2
Deep-stall limit	average 60 cm - 75 cm	average 60 cm - 75 cm
Full stall limit	average 65 cm - 80 cm	average 65 cm - 80 cm
Increase in steering power	high	high
Front collapse	1-2	1-2
Pre-acceleration	average	average
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Asymmetric collapse	1-2	2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Change of course	90 - 180 degrees	90 - 180 degrees
Rate of turn	average with deceleration	average with deceleration
Max. roll/pitch angle	less than 45 degrees	greater than 45 degrees
Loss of altitude	average	average
Stabilization	spontaneous	spontaneous
Opening behaviour		spontaneous
Countersteering an asymmetric collapse	2	2
Stabilization	countersteering easy	countersteering easy
Control travel	average	average
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	1-2	1-2
Spin out of straight flight	2	2
Spin out of turn	1-2	1-2
Spiral dive	1-2	1-2
Entry	easy	easy
Spin tendency	slight	slight
Exit	turn continues through < 180 degrees	turn continues through < 180 degrees
Sink rate after 720 °[m/s]	9	11

B-line stall	1	1
Entry	easy	easy
Exit	spontaneous	spontaneous
Big ears	1	1
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly
Landing	1-2	1-2
Landing behaviour	easy	easy
Front collapse (accelerated)	2	2
Pre-acceleration	slight	average
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Asymmetric collapse (accelerated)	1-2	2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Change of course	180 - 360 degrees	180 - 360 degrees
Rate of turn	average with deceleration	average with deceleration
Max. roll/pitch angle	less than 45 degrees	greater than 45 degrees
Loss of altitude	average	average
Stabilization	spontaneous	spontaneous
Opening behaviour		spontaneous
Big ears accelerated	1	1
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly

Supplementary remarks