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DHV TEST REPORT LTF 2003

NOVA MAMBOO XS

Type designation Nova Mambo XS
Type test reference no DHV GS-01-1383-05
Holder of certification [NOVA Vertriebsgesellschaft m.b.H.](#)
Manufacturer [NOVA Vertriebsgesellschaft m.b.H.](#)
Classification 1-2 GH
Winch towing Yes
Number of seats min / max 1 / 1
Accelerator Yes
Trimmers No

	BEHAVIOUR AT MIN WEIGHT IN FLIGHT (55KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (85KG)
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
Straight flight	1-2	1-2
Roll damping	average	average
Turn handling	1-2	1-2
Spin tendency	slight	not available
Control travel	average	average
Agility	average	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	average
Front collapse	1-2	1-2
Pre-acceleration	slight	slight
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Asymmetric collapse	1-2	1-2
Turn tendency	< 90 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	less than 45 degrees
Loss of altitude	average	average
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous	spontaneous, delayed
Countersteering an asymmetric collapse	1-2	1-2
Stabilization	countersteering easy	countersteering easy
Control travel	average	average
Control pressure increase	high	average
Turn in opposite direction	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, quickly	spontaneous, delayed
Full stall, symm. exit	1-2	1-2
Spin out of straight flight	1-2	1-2
Spin out of turn	1-2	1-2
Spiral dive ⚠	1-2	1-2
Entry	easy	easy
Spin tendency	slight	not available
Exit	turn continues through < 180 degrees	turn continues through < 180 degrees
Sink rate after 720 °[m/s]	9	12
B-line stall	1-2	1-2
Entry	easy	easy
Exit	delayed acceleration < 4 sec	delayed acceleration < 4 sec

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