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DHV TESTREPORT LTF 97

NOVA PHERON XS

Type designation Nova Pheron XS
Type test reference no DHV GS-01-0996-02
Holder of certification [NOVA Vertriebsgesellschaft m.b.H.](#)
Manufacturer [NOVA Vertriebsgesellschaft m.b.H.](#)
Classification 1 GH
Winch towing Yes
Number of seats min / max 1 / 1
Accelerator Yes
Trimmers No

	BEHAVIOUR AT MIN WEIGHT IN FLIGHT (60KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (80KG)
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
	Trim speed [km/h] 36	36
	Accelerated speed [km/h]	48
	Roll damping average	average
Turn handling	1	1
	Spin tendency not available	not available
	Control travel average	high
	Agility average	average
Symmetric stall	1	1
	Deep-stall limit average 60 cm - 75 cm	late > 75 cm
	Full stall limit average 65 cm - 80 cm	late > 90 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
	Rate of turn slight	slight
	Loss of altitude slight	slight
	Stabilization spontaneous	spontaneous
	Opening behaviour spontaneous, quickly	spontaneous, quickly
Countersteering an asymmetric collapse	1	1
	Stabilization countersteering easy	countersteering easy
	Control travel average	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
Full stall, asymm. 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 spontaneous	spontaneous
B-line stall	1	1
	Entry easy	easy
	Exit spontaneous	spontaneous
Landing	1	1
	Landing behaviour easy	easy

Front collapse (accelerated)	1
Pre-acceleration	slight
Opening behaviour	spontaneous, quickly
Asymmetric collapse (accelerated)	1
Turn tendency	< 90 degrees
Rate of turn	slight
Loss of altitude	slight
Stabilization	spontaneous
Opening behaviour	spontaneous, quickly