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DHV TESTREPORT LTF 97

NOVA PHORUS S

Type designation Nova Phorus S
Type test reference no DHV GS-01-0994-02
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 (75KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (95KG)
Take off	1 Inflation evenly, immediately Rising behaviour immediately comes over pilot Take off speed average Take off handling easy	1 evenly, immediately immediately comes over pilot average easy
Straight flight	1 Trim speed [km/h] 36 Accelerated speed [km/h] Roll damping average	1 37 47 average
Turn handling	1 Spin tendency not available Control travel average Agility average	1 not available average average
Symmetric stall	1 Deep-stall limit average 60 cm - 75 cm Full stall limit average 65 cm - 80 cm Increase in steering power high	1 average 60 cm - 75 cm average 65 cm - 80 cm high
Front collapse	1 Pre-acceleration slight Opening behaviour spontaneous, quickly	1 slight spontaneous, quickly
Asymmetric collapse	1 Turn tendency < 90 degrees Rate of turn slight Loss of altitude slight Stabilization spontaneous Opening behaviour spontaneous, quickly	1 < 90 degrees slight slight spontaneous spontaneous, quickly
Countersteering an asymmetric collapse	1 Stabilization countersteering easy Control travel average Control pressure increase high Turn in opposite direction easy, no tendency to stall Opening behaviour spontaneous, quickly	1 countersteering easy average high easy, no tendency to stall 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 Entry easy Spin tendency not available Exit spontaneous	1 easy not available spontaneous
B-line stall	1 Entry easy Exit spontaneous	1 easy spontaneous
Landing	1 Landing behaviour easy	1 easy

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