TECHNICAL DATA DHV TESTREPORT LTF DHV TESTREPORT EN	DATASHEET PARTS LIST OPERATING INSTRUC	
HV TESTREPORT EN926-2:2005		
NOVA ION3 M		
	DHV GS-01-2058-13 NOVA Vertriebsgesellschaft m.b.H. NOVA Vertriebsgesellschaft m.b.H. B Yes 1 / 1 Yes No BEHAVIOUR AT MIN WEIGHT IN FLIGHT (90KG)	BEHAVIOUR AT MAX WEIGHT Internet in flight (110kg)
Inflation/take-off	Beni Stocker A	Harry Buntz A
Rising behaviour Special take off technique required	· Smooth, easy and constant rising I No	Smooth, easy and constant rising No
Landing	A	A
Special landing technique required	l No	No
Speeds in straight flight	A	A
Trim speed more than 30 km/h		Yes
Speed range using the controls larger than 10 km/h Minimum speed	Yes I Less than 25 km/h	Yes Less than 25 km/h
Control movement	A	A
Symmetric control pressure		Increasing
Symmetric control trave	Greater than 60 cm	Greater than 65 cm
Pitch stability exiting accelerated flight	A	A
Dive forward angle on exit Collapse occurs		Dive forward less than 30° No
Pitch stability operating controls during accelerated flight	A	A
Collapse occurs	: No	No
Roll stability and damping Oscillations	Reducing	A Reducing
Stability in gentle spirals	A	Α
Tendency to return to straight flight	: Spontaneous exit	Spontaneous exit
Behaviour in a steeply banked turn 🔥	A	A
Sink rate after two turns	: 12 m/s to 14 m/s	12 m/s to 14 m/s
Symmetric front collapse	A	A
Recovery Dive forward angle on exit	Entering a turn of less than 90°	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30° Entering a turn of less than 90° No

Symmetric front collapse in accelerated flight	Α	В
Entry	Rocking back less than 45°	Rocking back less than 45°
Recovery	Spontaneous in less than 3 s	Spontaneous in 3 s to 5 s
Dive forward angle on exit	t Dive forward 0° to 30°	Dive forward 0° to 30°
Change of course	e Entering a turn of less than 90°	Entering a turn of less than 90°
Cascade occurs	s No	No
<u>xiting deep stall (parachutal stall)</u>	A	Α
Deep stall achieved	l Yes	Yes
Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on exit	t Dive forward 0° to 30°	Dive forward 0° to 30°
Change of course	Changing course less than 45°	Changing course less than 45°
Cascade occurs	s No	No
ligh angle of attack recovery	A	A
-	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Cascade occurs	s No	No
ecovery from a developed full stall	Α	Α
Dive forward angle on exi	t Dive forward 0° to 30°	Dive forward 0° to 30°
	No collapse	No collapse
Cascade occurs (other than collapses)		No
	Less than 45°	Less than 45°
_	Most lines tight	Most lines tight
Asymmetric collapse 45-50%	Α	Α
Change of course until re-inflation	Less than 90°	Less than 90°
Maximum dive forward or roll angle	Dive or roll angle 15° to 45°	Dive or roll angle 15° to 45°
Re-inflation behaviou	r Spontaneous re-inflation	Spontaneous re-inflation
Total change of course	Less than 360°	Less than 360°
Collapse on the opposite side occurs	No	No
Twist occurs	No	No
Cascade occurs	s No	No
symmetric collapse 70-75%	в	Α
Change of course until re-inflation	90° to 180°	Less than 90°
Maximum dive forward or roll angle		Dive or roll angle 15° to 45°
	r Spontaneous re-inflation	Spontaneous re-inflation
Total change of course		Less than 360°
Collapse on the opposite side occurs		No
Twist occurs		No
Cascade occurs		No
Asymmetric collapse 45-50% in accelerated	1	
light	Α	Α
Change of course until re-inflation		Less than 90°
Maximum dive forward or roll angle		Dive or roll angle 15° to 45°
	r Spontaneous re-inflation	Spontaneous re-inflation
Total change of course		Less than 360°
Collapse on the opposite side occurs	s No	No
Twist occurs		No
Cascade occurs	s No	No
Asymmetric collapse 70-75% in accelerated light	В	В
Change of course until re-inflation	90° to 180°	90° to 180°
Maximum dive forward or roll angle		Dive or roll angle 15° to 45°
	r Spontaneous re-inflation	Spontaneous re-inflation
Total change of course		Less than 360°
-		
Collapse on the opposite side occurs		No
Twist occurs Cascade occurs		No No
Directional control with a maintained	1	
asymmetric collapse	Α	Α
Able to keep course	e Yes	Yes

10 s		
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	More than 50 % of the symmetric control travel
Trim speed spin tendency	A	A
Spin occurs	No	No
Low speed spin tendency	A	Α
Spin occurs	No	No
Recovery from a developed spin	A	Α
Spin rotation angle after release	Stops spinning in less than 90°	Stops spinning in less than 90°
Cascade occurs	No	No
B-line stall	A	A
Change of course before release	Changing course less than 45°	Changing course less than 45°
Behaviour before release	Remains stable with straight span	Remains stable with straight span
Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on exit	Dive forward 0° to 30°	Dive forward 0° to 30°
Cascade occurs	No	No
<u>Big ears</u>	В	В
Entry procedure	Dedicated controls	Dedicated controls
Behaviour during big ears	Stable flight	Stable flight
Recovery	Recovery through pilot action in less than a further 3 s	Spontaneous in 3 s to 5 s
Dive forward angle on exit	Dive forward 0° to 30°	Dive forward 0° to 30°
Big ears in accelerated flight	В	A
Entry procedure	Dedicated controls	Dedicated controls
Behaviour during big ears	Stable flight	Stable flight
Recovery	Recovery through pilot action in less than a further 3 s	Spontaneous in less than 3 s
Dive forward angle on exit	Dive forward 0° to 30°	Dive forward 0° to 30°
Behaviour immediately after releasing the accelerator while maintaining big ears	-	Stable flight
Behaviour exiting a steep spiral	A	A
Tendency to return to straight flight	: Spontaneous exit	Spontaneous exit
Turn angle to recover normal flight	: Less than 720°, spontaneous recovery	Less than 720°, spontaneous recover
Sink rate when evaluating spiral stability [m/s]	14	14
Alternative means of directional control	A	A
180° turn achievable in 20 s	Yes	Yes
Stall or spin occurs	No	No

No other flight procedure or configuration described in the user's manual

by jursaconsulting