Deutscher Hängegleiterverband e.V.

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DHV TESTREPORT LTF

IFLY PARAGLIDERS WEFLY

Type designation iFLY Paragliders WeFly

Type test reference no DHV GS-01-2888-24

Holder of certification RASP CONSULTING LTD Trading

Manufacturer RASP CONSULTING LTD Trading

Classification B

Winch towing Yes

Number of seats min / max 1/2

Accelerator No

Trimmers Yes

BEHAVIOUR AT MIN WEIGHT IN BEHAVIOUR AT MAX FLIGHT (120KG)

Test pilots



Sebastian Mackrodt

Expert

WEIGHT IN FLIGHT (220KG)



Sebastian Mackrodt

Mario Eder

	No release	No release
<u>Inflation/take-off</u>	A	A
	Rising behaviour Smooth, easy and constant rising	Smooth, easy and constant rising
Special take off te	chnique required No	No
<u>Landing</u>	A	Α
Special landing te	chnique required No	No
Speeds in straight flight	A	В
Trim speed mo	re than 30 km/h Yes	Yes
Speed range using the contro	ls larger than 10 Yes km/h	Yes
	Minimum speed Less than 25 km/h	25 km/h to 30 km/h
Control movement	A	Α
Symmetric	control pressure Increasing	Increasing
Symmet	ric control travel Greater than 65 cm	Greater than 65 cm
Pitch stability exiting accelera	ted flight	
	is not equipped with an accelerator	
Pitch stability operating contr	ols during accelerated flight	
	is not equipped with an accelerator	
Roll stability and damping	A	A
	Oscillations Reducing	Reducing
Stability in gentle spirals	A	A
Tendency to return to straight flight Spontaneous exit		Spontaneous exit
Behaviour exiting a fully deve	loped spiral dive	Α
Initial response of g	lider (first 180°) Immediate reduction of rate of turn	Immediate reduction of rate of turn
Tendency to return	to straight flight Spontaneous exit (g force decreasing,	Spontaneous exit (g force
Turn angle to reco	rate of turn decreasing) ver normal flight Less than 720°, spontaneous recovery	decreasing, rate of turn decreasing) Less than 720°, spontaneous
rain angle to reco	ver normal mgne Less than 720 , spontaneous recovery	recovery

Symmetric front collapse	Α	Α
	Entry Rocking back less than 45°	Rocking back less than 45°
	Recovery Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forwar	d angle on exit Dive forward 0° to 30°	Dive forward 0° to 30°
Ch	ange of course Keeping course	Keeping course
	Cascade occurs No	No
Fol	ding lines used no	no
Jnaccelerated collapse (at least	: 50 % chord) A	A
	Entry Rocking back less than 45°	Rocking back less than 45°
	Recovery Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forwar	d angle on exit Dive forward 0° to 30°	Dive forward 0° to 30°
Ch	ange of course Keeping course	Keeping course
	Cascade occurs No	No
Fol	ding lines used no	no
Accelerated collapse (at least 50	<u>0 % chord)</u>	
Accelerated collapse (at least 50 Not carried out because the glider is		
	s not equipped with an accelerator	A
Not carried out because the glider is	s not equipped with an accelerator	A Yes
lot carried out because the glider is xiting deep stall (parachutal st	s not equipped with an accelerator	·
lot carried out because the glider is xiting deep stall (parachutal st	all) stall achieved Yes	Yes
Not carried out because the glider is Exiting deep stall (parachutal st Deep Dive forwar	s not equipped with an accelerator A	Yes Spontaneous in less than 3 s
Not carried out because the glider is Exiting deep stall (parachutal state) Deep Dive forwar Ch	all) Stall achieved Yes Recovery Spontaneous in less than 3 s d angle on exit Dive forward 0° to 30°	Yes Spontaneous in less than 3 s Dive forward 0° to 30°
Not carried out because the glider is Exiting deep stall (parachutal state) Deep Dive forwar Ch	s not equipped with an accelerator A Stall achieved Yes Recovery Spontaneous in less than 3 s ad angle on exit Dive forward 0° to 30° lange of course Changing course less than 45°	Yes Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45°
Not carried out because the glider is Exiting deep stall (parachutal state) Deep Dive forwar Ch	A Stall achieved Yes Recovery Spontaneous in less than 3 s and angle on exit Dive forward 0° to 30° lange of course Changing course less than 45° Cascade occurs No	Yes Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45° No
Not carried out because the glider is Exiting deep stall (parachutal state) Deep Dive forwar Ch	A p stall achieved Yes Recovery Spontaneous in less than 3 s rd angle on exit Dive forward 0° to 30° lange of course Changing course less than 45° Cascade occurs No	Yes Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45° No
Not carried out because the glider is Exiting deep stall (parachutal state) Deep Dive forwar Ch	s not equipped with an accelerator (all) (a) (b) stall achieved Yes (c) (c) (d) (e) (e) (e) (e) (e) (e) (e	Yes Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45° No A Spontaneous in less than 3 s
Not carried out because the glider is Exiting deep stall (parachutal st Deep Dive forwar Ch (deep stall (parachutal st	s not equipped with an accelerator (all) (a) (b) stall achieved Yes (c) (c) (d) (e) (e) (e) (e) (e) (e) (e	Yes Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45° No A Spontaneous in less than 3 s No
Not carried out because the glider is Exiting deep stall (parachutal st Deep Dive forwar Ch digh angle of attack recovery	s not equipped with an accelerator A	Yes Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45° No A Spontaneous in less than 3 s No
Not carried out because the glider is Exiting deep stall (parachutal st Deep Dive forwar Ch digh angle of attack recovery	A Stall achieved Yes Recovery Spontaneous in less than 3 s and angle on exit Dive forward 0° to 30° ange of course Changing course less than 45° Cascade occurs No A Recovery Spontaneous in less than 3 s Cascade occurs No A Recovery Spontaneous in less than 3 s Cascade occurs No Stall A d angle on exit Dive forward 0° to 30° Collapse No collapse	Yes Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45° No A Spontaneous in less than 3 s No A Dive forward 0° to 30°

Most lines tight

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Small asymmetric collapse	A	В
Change of course u	ntil re-inflation Less than 90°	90° to 180°
Maximum dive forward or roll angle Dive or roll angle 15° to 45°		Dive or roll angle 15° to 45°
Re-inflation behaviour Spontaneous re-inflation		Spontaneous re-inflation
Total change of course Less than 360°		Less than 360°
Collapse on the oppo	site side occurs No (or only a small number of collapsed cells with a spontaneous re inflation)	No (or only a small number of collapsed cells with a spontaneous re inflation)
	Twist occurs No	No
	Cascade occurs No	No
Fol	ding lines used no	no
Large asymmetric collapse	В	В
Change of course u	ntil re-inflation 90° to 180°	90° to 180°
Maximum dive forward or roll angle Dive or roll angle 15° to 45°		Dive or roll angle 15° to 45°
Re-inflation behaviour Spontaneous re-inflation		Spontaneous re-inflation
Total ch	nange of course Less than 360°	Less than 360°
Collapse on the oppo	site side occurs No (or only a small number of collapsed cells with a spontaneous re inflation)	No (or only a small number of collapsed cells with a spontaneous re inflation)
	Twist occurs No	No
Cascade occurs No		No
Fol	ding lines used no	no
Small asymmetric collapse acce	<u>lerated</u>	
Not carried out because the glider i	s not equipped with an accelerator	
Large asymmetric collapse acce	<u>lerated</u>	
Not carried out because the glider i	s not equipped with an accelerator	
Directional control with a maint	ained A	A
Able	to keep course Yes	Yes
180° turn away from the	e collapsed side Yes possible in 10 s	Yes

Line tension Most lines tight

Amount of control range between turn and More than 50 % of the symmetric control More than 50 % of the symmetric stall or spin travel control travel Trim speed spin tendency Spin occurs No No A Low speed spin tendency Spin occurs No No Recovery from a developed spin 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** Not carried out because the manoeuvre is excluded in the user's manual **Big ears Entry procedure** Dedicated controls Dedicated controls Behaviour during big ears Stable flight Stable flight **Recovery** Spontaneous in 3 s to 5 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 Not carried out because the glider is not equipped with an accelerator Alternative means of directional control 180° turn achievable in 20 s Yes Yes Stall or spin occurs No No Any other flight procedure and/or configuration described in the user's manual

https://www.dhv.de/db1/technictestreport2.php?item=-3916&lang=en

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