

Test flight protocol

Paraglider type designation CYBER 4 XS

Planned classification 1 GH LTF 03

Weight ranges: min: 55 kg, max: 75 kg

Test flight No: / 20..

Lower weight range:

geflogen:

Upper weight range:

| | | Value measured | complies | does not comply | Explanation when not complying respectively arrangements to be implemented |
|---------------------------------|-------------------------------------|------------------------------------|----------|-----------------|--|
| Launch | Inflation | evenly, immediately | 1 | | |
| | Raising behaviour | rises immediately over pilots head | | | |
| | Launch speed | average | | | |
| | Launch handling | easy | | | |
| Straight flight | Speeds | > 10 km/h | 1 | | |
| | Roll damping | high | | | |
| | Pitch stability | high | | | |
| | Stability of direction | - | | | |
| Curve handling | Steering way | > 80 cm | 1 | | |
| | Control force rising | high | | | |
| | Agility | average | | | |
| | Tendency trail spin | not existing | | | |
| | Controllability without brakes | yes | | | |
| Lateral overpulling | Deep stall limit | > 75 cm | 1 | | |
| | Full stall limit | > 80 cm | | | |
| | Full stall with fully pulled brakes | soft stall | | | |
| | Backsided tilt | - | | | |
| | Control force rising | high | | | |
| Frontal collapse | Effort | - | 1 | | |
| | Preacceleration | low | | | |
| | Opening characteristics | autonomously delayed | | | |
| Frontal collapse accelerated | Effort | - | 1 | | |
| | Preacceleration | low | | | |
| | Opening characteristics | autonomously delayed | | | |
| Asymmetric collapse | Rotation | < 90 degrees | 1 | | |
| | Total rotation | < 90 degrees | | | |
| | Rotational speed | low | | | |
| | Max. angle of rolling and rotation | less than 45 degrees | | | |
| | Height loss | low | | | |
| | Stabilising | autonomous | | | |
| | Opening characteristics | autonomous | | | |
| Asymmetric collapse accelerated | Rotation | < 90 degrees | 1 | | |
| | Total rotation | < 90 degrees | | | |
| | Rotational speed | low | | | |
| | Max. angle of rolling and rotation | less than 45 degrees | | | |
| | Height loss | low | | | |
| | Stabilising | autonomous | | | |
| | Opening characteristics | autonomous | | | |

| | | Value measured | complies | does not comply | Explanation when not complying respectively arrangements to be implemented |
|---------------------|---------------------|-----------------------------|--------------------------------------|-----------------|--|
| Asymmetric collapse | steer against | Stabilising | can be stabilised by brake easily | 1 | |
| | | Steering way | high | | |
| | | Control force rising | high | | |
| | | Contra rotation | easy, no spin tendency | | |
| | | Opening characteristics | autonomous fast | | |
| Full stall | symmetric exit | Behaviour | calm | 1 | |
| | | Reaction | low shoot tendency < 30 degrees | | |
| | | Rotation | no | | |
| | | Rotational speed | - | | |
| | | Height loss | - | | |
| | | Stabilising | - | | |
| | | Opening characteristics | - | | |
| Spin | out of trim speed | Rotational speed | | 1 | |
| | | Exit | Rotation after exiting < 90 degrees | | |
| | | Reaction | - | | |
| | | Rotation | - | | |
| | | Rotational speed | - | | |
| | | Height loss | - | | |
| | | Stabilising | - | | |
| | | Opening characteristics | - | | |
| Spin | out of curve flight | Rotational speed | | 1 | |
| | | Exit | - | | |
| | | Reaction | low shoot tendency < 30 degrees | | |
| | | Rotation | - | | |
| | | Rotational speed | - | | |
| | | Height loss | - | | |
| | | Opening characteristics | - | | |
| Steep spiral | | Entering | easy | 1 | |
| | | Spin tendency | not existing | | |
| | | Exit | Rotation after exiting < 180 degrees | | |
| | | Descending speed after 720° | 9 m/ s | | |
| B-Stall | | Entering | easy | 1 | |
| | | Exit | autonomous | | |
| Big Ears | | Entering | easy | 1 | |
| | | Exit | autonomous fast | | |
| Big Ears | accel. | Entering | easy | 1 | |
| | | Exit | autonomous fast | | |
| Landing | | Moment of pull out | | 1 | |
| | | Landing speed | low | | |
| | | Landing characteristics | easy | | |

Pilot: Gudrun Öchsl

Take off weight: 57 kg

measured in flight v - min: 21 km/ h

measured in flight v - Trimm: km/ h

measured in flight v - max: km/ h

