Flight test report

Classification B

Certification number

Date of flight test

Place of test

Manufacturer Sol Paragliders

Rua Walter Marquart, 1180 Address 89259-700 Jaraguà do Sul, S.C. Brazil Representive None Type of glider Prymus 2 M

PG 023 2006 08/11/2006 Villeneuve

А

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A A

No

No

No

Less than 360?

Less than 360?

Spontaneous re-inflation

Less than 90?, Dive or roll angle 0? to 15?



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not available Trimmer Test Pilot Claude Thurnheer Alain Zoller Harness sup air light Gin Glider - Gingo L Total weight in flight 75 kg 95 kg Min weight Max weight 1. Inflation/Take-off Rising behaviour Smooth, easy and constant rising A Smooth, easy and constant rising Special take off technique required Α No No 2. Landing Special landing technique required No Α No 3. Speed in straight flight Trim speed more than 30 km/h Yes Yes Α Speed range using the controls larger than 10 km/h Yes Α Yes Less than 25 km/h Minimum speed Less than 25 km/h Α 4. Control movement Max. weight in flight up to 80 kg Symmetric control pressure/travel Increasing, Greater than 60 cm A not available Max. weight in flight 80 kg to 100 kg Symmetric control pressure/travel not available 0 Increasing, Greater than 60 cm Max. weight in flight greater than 100 kg Symmetric control pressure/travel not available 0 not available 5. Pitch stability exiting accelerated flight Dive forward angle on exit Dive forward less than 30° Dive forward less than 30? Α Collapse occurs No Α No 6. Pitch stability operating controls during accelerated flight A No Collapse occurs No 7. Roll stability and damping Oscillations Reducing Reducing A 8. Stability in gentle spirals Tendency to return to straight flight Spontaneous exit Α Spontaneous exit 9. Behaviour in a steeply banked turn Sink rate after two turns More than 14 m/s В More than 14 m/s 10. Symmetric front collapse Rocking back less than 45° Rocking back less than 45? Entry A Recovery Spontaneous in less than 3 s Α Spontaneous in less than 3 s Dive forward angle on exit Dive foward 0° to 30°, Keeping course A A Dive foward 0?to 30?, Keeping course No No Cascade occurs With accelerator Entry Rocking back less than 45° A Rocking back less than 45? Recovery A Spontaneous in less than 3 s Spontaneous in less than 3 s Dive forward angle on exit Dive foward 0°to 30°, Keeping course А Dive foward 0?to 30?, Keeping course Α No Cascade occurs No 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s Dive forward angle on exit Dive forward 0°to 30° A Dive forward 0?to 30? Changing course less than 45? Change of course Cascade occurs Changing course less than 45° Α No A No 12. High angle of attack recovery Recovery Spontaneous in less than 3 s Α Spontaneous in less than 3 s Cascade occurs No A No 13. Recovery from a developed full stall Dive forward 30° to 60° в Dive forward 30?to 60? Dive forward angle on exit No collapse Collapse No collapse А A Cascade occurs (other than collapse) No No Rocking back Less than 45° A Less than 45? Line tension Most line tight A Most line tight 14. Asymmetric collapse With 50% collapse-Maximum dive forward or roll angle Change of course until re-inflation Less than 90°, Dive or roll angle 0° to 15° Less than 90?, Dive or roll angle 0? to 15? А Re-inflation behaviour Spontaneous re-inflation А Spontaneous re-inflation Less than 360° Total change of course A Less than 360? Collapse on the opposite side occurs No А No A A Twist occurs No No Cascade occurs No No With 75% collapse-Maximum dive forward or roll angle Change of course until re-inflation Less than 90°, Dive or roll angle 0° to 15° A Less than 90?, Dive or roll angle 15? to 45? Re-inflation behaviour Spontaneous re-inflation A Spontaneous re-inflation

Total change of course

Re-inflation behaviour

Total change of course

Twist occurs

Cascade occurs

Collapse on the opposite side occurs

Change of course until re-inflation

Collapse on the opposite side occurs

With 50% collapse and accelerator-Maximum dive forward or roll angle

Less than 360°

Less than 360°

Spontaneous re-inflation

Less than 90°, Dive or roll angle 0° to 15°

No

No

No

No

Cascada course No A No A With 755 Sollapse and accelerative Alignment for loaved or roll angle 15° to 45°. B 907 to 1807. Dive or roll angle 15° to 457. B Re-inflation behaviour Spontaneous re-inflation A 907 to 1807. Dive or roll angle 15° to 457. B Collapse on the opposite side occurse Less than 360° A Less than 380°. A Collapse on the opposite side occurs No A No A Collapse on the opposite side occurs No A No A 15. Directional control with a maintained asymmetric collapse Yes A No A 15. Directional control with a maintained asymmetric collapse Yes A No A 16. Tirms speet spin tendency Yes A No A 16. Tirms speet spin tendency No A No A 17. Low speet spin tendency Spin cocurs No A No A 17. Beed spin tendency Spin cocurs No A No A 18. Bill state Stops spinning in less than 90° A Stops spinning in less than 90° A 19. Bill state Stops spinning in less than 90° A Spin cocurs in a 35. A 1		Twist occurs	No	А	No	А
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