

Flight and Load test report

Manufacturer GIN GLIDERS Inc.
Address 285-1 Galdam-Ri, Mohyun-Myun,
 ongIn-City, yunggi-Do
 449-855 Korea

Type/model: Yeti Cross L
Total weight in flight: 126 kg

| Description of tests | place: | date: | result: |
|--|------------|--|---|
| 1. Deployment system strength test A load of 700 N between each components | Villeneuve | 15.09.2013 | OK |
| 2. Speed of opening test - ref. A (2 times) Time from the instant of free drop until a load of 200 N is sustained Opening time Opening time | Villeneuve | 18.02.2013 24.02.2013 | 2.92 sec 3.88 sec |
| 3. Descent rate and stability test - ref. A and B (2 times) The paraglider is released as the parachute begins to open, minimum 100 m descent. Stability 1 Sink rate 1 Stability 2 Sink rate 2 | Villeneuve | 18.02.2013 24.02.2013 18.02.2013 24.02.2013 | Stable 5.10 m/sec Stable 4.80 m/sec |
| 4. Strength test 40 m/s opening shock (2 times) The drop test device is accelerated to a straight line velocity of 40 m/s. Speed of opening is less than 5 seconds and shock not exceeded 15g Test 1 Test 2 | Illarsaz | 06.08.2013 14.08.2013 | OK OK |
| 5. Interaction and stability test (piloted) - ref. C a the emergency parachute is deployed from a paraglider in normal straight flight. b the pilot shall take no action while the behaviour of the parachute and paraglider are observed 200 metres. c the pilot take action while the behaviour of the parachute and paraglider are observed 200 metres. | | | not available not available not available |

The model described is in conformity with some points of the standard EN 12491:2001



For Air Turquoise SA

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Weather data, ref. 3 and B

| Date / place | hPa | wind | temp | humidity |
|-------------------------------|-----------------|------------------|------|----------|
| Villeneuve, February 18, 2013 | 962 | 2 | 3.0° | 72.0% |
| | Corrected mass: | 124.83 kg | | |
| Villeneuve, February 24, 2013 | 965 | 0 | 3.8° | 76.0% |
| | Corrected mass: | 124.85 kg | | |

Reference

A. At horizontal airspeed 8 m/s and vertical speed 1.5 m/s

B. Formula to be used for correcting the test mass ofr differences from ICAO standard atmosphere

$$m_{corr} := m_{dec} \cdot \frac{p \cdot T_0}{p_0 \cdot T}$$

Ground level atmospheric pressure at the test location: (p)

ICAO standard atmospheric pressure at MSL: (p₀)

Ground level température at the test location: (T)

ICAO standard temperature at MSL: (T₀)

Total weight in flight: (m_{dec})

Corrected mass: (m_{corr})

C. Only parachute with controls for steering and landing flare



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