



Flight and Load test report - EN 12491:2001

Manufacturer KARPO FLY s.r.o.
Address Na Františku 1370/5
 735 35 Horní Suchá
 Czech Republic

Certification number: EP 079.2013
Type/model: RS 130
Total weight in flight: 130 kg

Description of tests	place:	date:	result:
1. Deployment system strength test A load of 700 N between each components	CZ	02.11.2009	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	CZ CZ	02.11.2009 02.11.2009	OK OK
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	CZ CZ CZ CZ	02.11.2009 02.11.2009 02.11.2009 02.11.2009	OK OK OK OK
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 Illarsaz	20.02.2013 20.02.2013	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 all points of the standard EN 12491:2001



For Air Turquoise SA

Alain Zoller

Air Turquoise SA
 Route du Pré-au-Comte 8
 Case postale 10
 CH- 1844 Villeneuve
 email: info@para-test.com



homepage: www.para-test.com

Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
Czech Republic recognising - RS 130	989.6	8 km/h	29.7	78.0%
Corrected mass:	120.74			
Czech Republic recognising - RS 130	987.8	6 km/h	28.5	75.0%
Corrected mass:	121.0			

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

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

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



Air Turquoise SA

Route du Pré-au-Comte 8

Case postale 10

CH - 1844 Villeneuve

Switzerland

mobile: +41 79 202 52 30

Tel. no : +41 21 965 65 65

fax : +41 219 65 65 68

email: info@para-test.com

homepage: www.para-test.com

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ISO 9001
BUREAU VERITAS
Certification

