



## Flight and Load test report - LTF It. 2. DV LuftGerPV §1, Nr. 7 c

**Manufacturer** X-dream Fly  
**Address** Gerald Roschmann  
 Unterbach 9  
 6653 Bach / Tirol  
 Austria

**Certification number:** EP / RG 100.2013  
**Type/model:** X-Curve 130  
**Total weight in flight:** 130 kg

Description of tests	place:	date:	result:
<b>1. Deployment system strength test</b> A load of 700 N between each components	Villeneuve	09.04.2013	OK
<b>2. Speed of opening test - ref. A (2 times)</b> Time from the instant of free drop until a load of 200 N is sustained Opening time Opening time	Villeneuve Villeneuve	03.04.2013 08.05.2013	< 5 seconds < 5 seconds
<b>3. Descent rate and stability test - ref. A and B (2 times)</b> 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 Villeneuve Villeneuve Villeneuve	03.04.2013 03.04.2013 08.05.2013 08.05.2013	Stable 3.55 m/sec Stable 4.01 m/sec
<b>4. Strength test 40 m/s opening shock (2 times)</b> 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 Test 3	Illarsaz Illarsaz Illarsaz	23.11.2012 23.11.2012 23.11.2012	OK OK OK
<b>5. Interaction and stability test (piloted) - ref. C</b> 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.	Villeneuve  Villeneuve  Villeneuve	03.04.2013 08.05.2013  03.04.2013 08.05.2013  03.04.2013 08.05.2013	OK  OK  OK

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



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ISO 9001  
 BUREAU VERITAS  
 Certification



**Weather data, ref. 3 and B**

Date / place	hPa	wind	temp	humidity
Villeneuve 03.04.2013	<b>954.2</b>	2 km/h	6°	60.0%
	<i>Corrected mass:</i>			
	<b>126.83</b>			
Villeneuve 08.05.2013	963	0 km/h	14°	74.0%
	<i>Corrected mass:</i>			
	<b>123.9</b>			

**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: (p<sub>0</sub>)

Ground level température at the test location: (T)

ICAO standard temperature at MSL: (T<sub>0</sub>)

Total weight in flight: (m<sub>dec</sub>)

Corrected mass: (m<sub>corr</sub>)

C. Only parachute with controls for steering and landing flare



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