

Flight and Load test report - EN 12491:2001

Manufacturer SUPAIR - VLD

Address

Parc Altais - 34, rue Adrastée

74650 Chavanod

France

Certification number:

EP 094.2013

Type/model:

START M

Total weight in flight:

100 kg

Description of tests	place:	date:	result:
Deployment system strength test	110.5		
A load of 700 N between each components	Villeneuve	08.01.2013	ок
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	Villeneuve	31.01.2013	3.00 sec.
Opening time	Villeneuve	11.02.2013	2.72 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	Villanauwa	31.01.2013	Stable
Sink rate 1		- 10.1 - 17.7	4.96 m/sec
Stability 2	The second secon	31.01.2013	
Sink rate 2	Villeneuve	E 0.15 A 000 E 0.20	5.39 m/sec
4. Strength test 40 m/s opening shock (2 times)	VIIICIICUVC	11.02.2010	0.00 1111000
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	in the second		01/
Test 1	Illarsaz	06.03.2013	
Test 2	Illarsaz	06.03.2013	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			not available
behaviour of the parachute and paraglider are observed 200 metres.			not available
c the pilot take action while the behaviour of the parachute and paraglider are observed 200			not available
metres.			not available

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









For Air Turquoise

Alain Zoller

Air Turquoise SA

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

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Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
31.01.2013, Villeneuve	958	3 km/h	2°	77.0%
Corrected mass:	99.01 kg			
11.02.2013, Villeneuve	960	0 km/h	3°	78.0%
Corrected mass:	98.68 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: (po)

Ground level température at the test location: (T)

ICAO standard temperature at MSL: (To)
Total weight in flight: (mdec)

Corrected mass: (mcorr)

C. Only parachute with controls for steering and landing flare



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Flight and Load test report - EN 12491:2001

Manufacturer SUPAIR - VLD

Address

Parc Altais - 34, rue Adrastée

74650 Chavanod

France

Certification number:

EP 095.2013

Type/model:

START L

Total weight in flight:

125 kg

Description of tests	place:	date:	result:
Deployment system strength test A load of 700 N between each components	Villeneuve	08.01.2013	ок
2. Speed of opening test - ref. A (2 times)	1		
Time from the instant of free drop until a load of 200 N is sustained Opening time Opening time	Villeneuve Villeneuve	07.03.2013 13.03.2013	
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 Villeneuve Villeneuve Villeneuve	13.03.2013 07.03.2013	5.40 m/sec Stable
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	06.03.2013 06.03.2013	
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 			not available
behaviour of the parachute and paraglider are observed 200 metres.			not available
c the pilot take action while the behaviour of the parachute and paraglider are observed 200 metres.			not available

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









For Air Turquoise S

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ISO 9001





Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
07.03.2013, Villeneuve	980	0 km/h	6°	78.0%
Corrected mass:	124.8 kg			
13.03.2013, Villeneuve	962	2 km/h	1°	78.0%
Corrected mass:	124.74 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: (po) Ground level température at the test location: (T)

ICAO standard temperature at MSL: (To)

Total weight in flight: (mdec) Corrected mass: (mcorr)

C. Only parachute with controls for steering and landing flare



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