

Air Turquoise SA certified by:



Conformity tests according to EN 12491:2001

Conformity number **EP 091.2013**

MANUFACTURER _____ Sky Paragliders a.s.

MODEL _____ Sky Drive II

YEAR AND MONTH OF
MANUFACTURE

MAXI LOAD WEIGHT IN FLIGHT _____ 135 kg

FLAT AREA _____ 38 m²

WEIGHT OF THE MODEL _____ 1850 gr.

TOTAL LENGTH (end of the riser
to canopy top uninflated (A riser)) _____ 513 cm

Warning: not suitable for use at speeds in excess
of 32 m/s (115 km/h)
Before use refer to the user's manual.

Serial number:

Conformity tests according to EN 12491:2001 standards carried out by:

para-test.com



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Sky Paragliders a.s.
Mr. Nemeč Martin
Okružní 39
73911 Frýdlant nad Ostravicí
Czech Republic

Certificate

The hereunder sample of paraglider has been tested
in accordance with following standards:
EN 12491:2001

Certificate number:..... **EP 091.2013**
Manufacturer:..... **Sky Paragliders a.s.**
Model and size:..... **Sky Drive II**
Maximum weight in flight:..... **135 kg**
Weight of the Emergency Parachute:..... **1850 gram**

Best Regards,

Alain Zoller



Flight and Load test report - EN 12491:2001

Manufacturer Sky Paragliders
Address Okružní 39
73911 Frýdlant nad Ostravicí
Czech Republic

Certification number: EP 091.2013
Type/model: Sky Drive II
Total weight in flight: 135 kg

Description of tests	place:	date:	result:
1. Deployment system strength test A load of 700 N between each components	Villeneuve	14.09.2012	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	01.03.2012 01.03.2012	< 5 seconds < 5 seconds
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	01.03.2012 01.03.2012 01.03.2012 01.03.2012	Stable 3.9 m/sec Stable 4.05 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 and the parachute deployment handle activated using a static line attached to a drogue chute. Speed of opening is less than 5 seconds Test 1 Test 2 Test 3	Illarsaz	02.04.2012 02.04.2012 12.09.2012	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		02.04.2012 02.04.2012	OK OK
02.04.2012	OK	parachute and paraglider are observed 200 metres.	

Air Turquoise SA.

The model described is in conformity with the flight and load tests carried out by

Air Turquoise SA

Zoller



For A

Alain



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homepag

Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
Villeneuve, March 01, 2012	976	1 km/h	4°	77.0%
	<i>Corrected mass:</i> 135.2			
Villeneuve, November 11, 2010				
	<i>Corrected mass:</i> 976	1 km/h	7°	79.0%
	133.75			

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



Air Turquoise SA

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For Air Turquoise SA testing center

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ISO 9001
BUREAU VERITAS
Certification

