

Air Turquoise SA certified by:



Conformity tests according to EN 12491:2001

Conformity number **EP 029.2010**

MANUFACTURER _____ Sky Paragliders a.s.

MODEL _____ Sky System II 90

YEAR AND MONTH OF MANUFACTURE

MAXI LOAD WEIGHT IN FLIGHT _____ 86 kg

FLAT AREA _____ 23.95 m²

WEIGHT OF THE MODEL _____ 1500gr

TOTAL LENGTH (end of the riser to canopy top uninflated) _____ 435 cm

Warning: not suitable for use at speeds in excess of 32 m/s (115 km/h)

Before use referto the user's manual.

Serial number:

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

para-fest.com



paragliding by air turquoise

Air Turquoise SA
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info@para-test.com

Flight and Load test report - EN 12491:2001

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

Certification number: EP 029.2010
Type/model: Sky System II 90
Total weight in flight: 86 kg

Description of tests	place:	date:	result:
1. Deployment system strength test A load of 700 N between each components	Villeneuve		
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	11.09.2009 13.09.2010	< 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	11.09.2009 11.09.2009 13.09.2010 13.09.2010	Stable 5.4 m/sec Stable 5.24 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	Illarsaz	07.04.2010 17.06.2010	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 the flight and load tests carried out by Air Turquoise SA.



For Air Turquoise SA

Alain Zoller

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Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
Villeneuve, September 11, 2009	978.2	0 km/h	16°	63.4%
	Corrected mass: 82.74 kg			
Villeneuve, September 13, 2010				
	Corrected mass: 980 hPa		2 km/h	16°
	82.89 kg			54.0%

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 of 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 temperature 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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For Air Turquoise SA



Alain Zoller

ISO 9001
BUREAU VERITAS
Certification



Air Turquoise SA certified by:



Conformity tests according to EN 12491:2001

Conformity number **EP 030.2010**

MANUFACTURER _____ Sky Paragliders a.s.

MODEL _____ Sky System II 110

YEAR AND MONTH OF MANUFACTURE

MAXI LOAD WEIGHT IN FLIGHT _____ 106 kg

FLAT AREA _____ 29.15 m²

WEIGHT OF THE MODEL _____ 1700gr

TOTAL LENGTH (end of the riser to canopy top uninflated)_____ 477 cm

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

Serial number:

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

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Flight and Load test report - EN 12491:2001

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

Certification number: EP 030.2010
Type/model: Sky System II 110
Total weight in flight: 106 kg

Description of tests	place:	date:	result:
1. Deployment system strength test A load of 700 N between each components	Villeneuve		
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	13.09.2010 08.10.2010	< 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	13.09.2010 13.09.2010 08.10.2010 08.10.2010	Stable 5.47 m/sec Stable 5.00 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	Illarsaz	07.04.2010 17.06.2010	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 the flight and load tests carried out by Air Turquoise SA.



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Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
Villeneuve, September 13, 2010	980.0 hPa	0 km/h	16°	64.0%
	Corrected mass: 101.98			
Villeneuve, October 08, 2010				
	Corrected mass: 972.0 hPa	2 km/h	5°	54.0%
	101.20			

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 of 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 temperature 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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ISO 9001
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Certification



Air Turquoise SA certified by:



Conformity tests according to EN 12491:2001

Conformity number **EP 035.2010**

MANUFACTURER _____ Sky Paragliders a.s.

MODEL _____ Sky System II 135

YEAR AND MONTH OF
MANUFACTURE

MAXI LOAD WEIGHT IN FLIGHT _____ 130 kg

FLAT AREA _____ 35.75 m²

WEIGHT OF THE MODEL _____ 2000gr

TOTAL LENGTH (end of the riser
to canopy top uninflated) _____ 530 cm

Warning: not suitable for use at speeds in excess
of 32 m/s (115 km/h)

Before use referto the user's manual.

Serial number:

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Flight and Load test report - EN 12491:2001

Manufacturer Sky Paragliders
Address Okružní 39
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 Czech Republic

Certification number: EP 035.2010
Type/model: Sky System II 135
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	Villeneuve		
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	08.10.2010 19.11.2010	< 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	08.10.2010 08.10.2010 19.11.2010 19.11.2010	Stable 5.3 m/sec Stable 4.93 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	Illarsaz	01.07.2009 07.04.2010	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

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Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
Villeneuve, September 09, 2010	972	0 km/h	11°	54.7%
	Corrected mass: 126.46			
Villeneuve, November 11, 2010				
	Corrected mass: 964.5	0 km/h	8°	61.1%
	126.83			

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 temperature 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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