

Inspection report

Paraglider

Preceding report

- none -

This report replaces the issue X
from XX.XX.XX

Ausgabe 0
english version

Documentation number
Subcontract

EAPR-GS-0479/16

Schock-/Belastungstest

Customer

Fly market GmbH & Co. KG

Am Schönebach 3
87637 Eisenberg
Deutschland

Order from

15.12.2015

Order entrance

15.12.2015

Contents of order

Determining the classification and sufficient strength of a paraglider

Kind of order

comprehensive reference none

Place of Inspection

87730 Bad Grönenbach, Sitz der Inspektionsstelle

Inspection item

Airtaxi M

Serial number

2k15-at-5a-072

Condition new

Inspection basis

**LTF 91/09, Pkt. 1., 3., 10., Anhang I, -
EN 926-2 - EN 926-1 - IA 013,014**

Testing period

15.12.2015 to 02.03.2016

Inspection date

02.03.2016

This inspection report includes 6 pages including cover page and annex

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Cause

This inspection is required due to the legal necessity for manufacturers of air sports equipment according to the LuftGerPV to have their product type inspected by an accredited inspection body in accordance with the applicable airworthiness requirements.

Pattern to be inspected: **Airtaxi M**

1	minimum take-off weight	kg	130
2	maximum take-off weight	kg	220
3	determined classification	EN/LTF	LTF / EN B
4	Proven max. strength	daN	1886
5	Weight	kg	7,90
6	Operations Manual, version		Version 1.0 Stand 20.02.2016
7	Specifications, version		07.03.2016

Nothing was omitted from the original scope of inspection

The testflights were conducted by two EAPR-testpilots

The shock- /load test was beige supplied by the manufacturer and verified positive by the EAPR.

Summary

The tested sample is in accordance with the legal requirements (Lufttüchtigkeitsforderungen) regarding the standards, procedures and subchapters listed in -Inspection basis-



Bad Grönenbach, 07.03.2016

Declaration of Design and Performance (DDP)

07.03.2016

EBL-GS-DB - Stand 19.12.2012 - V5

Paraglider

Type testing

EAPR-GS-0479/16

Test sample

Airtaxi M

Type testing owner

Fly market GmbH & Co. KG**Am Schönebach 3****87637 Eisenberg****Deutschland**

Date of type testing declaration	02.03.2016
Manner of type of testing	comprehensive
Reference	none

Certified standards and procedures	LTF 91/09, Pkt. 1., 3., 10., Anhang I, - EN 926-2 - EN 926-1 - IA 013,014
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System weight without bag - kg	7,9 kg
Allowable min. payload	130 kg
Allowable max. payload	220 kg
Number of seats	1 - 2
Classification	LTF / EN B
Foot accelerater	no
Trim device (hand operated)	yes
suitable for training	no

Tested with foldinglines	none
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Riser lenght mm	A	A2	B	C	D	E
open-normal	385	385	410	435	480	
Accelerated						
closed	385	385	385	385	385	

trailing edge	half	7963 mm
Cell depth on lower surface form air intake to the trailing edge	Center cell or center rippe +	3225 mm
		3143 mm
		2784 mm

Center rippe +	R1	R4	R8
0 → A	124 mm	120 mm	109 mm
A → B	689 mm	670 mm	588 mm
B → C	780 mm	763 mm	673 mm
C → D	817 mm	787 mm	705 mm

The measured values at the lower surface of the trailing edge, cell depth and spacing of the articulation points were determined under tensile load of 50 N.

line length: mm

	A	B	C	D	E	Br
1	8955	8830	8865	9000	9060	9415
2	8850	8725	8750	8885		9155
3	8855	8720	8740	8865	8935	8965
4	8825	8700	8725	8850	8920	8905
5	8790	8670	8715	8845		8745
6	8865	8760	8810	8955	9010	8670
7	8780	8705	8735	8870	8935	8670
8	8700	8615	8645	8780		8720
9	8715	8625	8650	8780	8845	8665
10	8670	8595	8630	8765	8825	8585
11	8630	8575	8620	8760		8505
12	8700	8645	8690	8835	8875	8480
13	8545	8495	8555	8640		8520
14	8455	8415	8465			
15	8435	8390	8425	8495		
16	8300	8270	8280	8320		
17	8235	8215	8220			
18	8225	8195	8215	8240		
19	7910	7890	7900	7940		
20	7840	7815	7855			
21						
22						
23						
24						
25						

Kind of measuring	Lines with riser and links up to lower surface undertension load 50N
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Comments	none
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Manual version dated	Version 1.0 Stand 20.02.2016
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Periodical checks	24 Monate / 100 Flugstunden
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Bad Grönenbach, 02.03.2016

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