



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.573

for

Virus SW 121

Type Certificate Holder:

Pipistrel Vertical Solutions d.o.o.

Vipavska cesta 2
5270 Ajdovščina
Slovenia, Europe

For models:

Virus SW 121

Virus SW 121A (Commercial Designation: Explorer)

Virus SW 121C (Commercial Designation: Velis Club)

Virus SW 121X (Commercial Designation: X-Eye)

Virus SW 128 (Commercial Designation: Velis Electro)



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Type Certificate Holder¹ **Pipistrel Vertical Solutions d.o.o.** Aircraft Type Designation¹ **Virus SW 121**

Engine TC Holder **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 912 S3**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 6 / Amendment 10** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C12624	MT-Propeller Entwicklung GmbH	MTV-33-1-A/170-200	Muffler: Akrapovic Akrapovic iS iaw drawing number 121-78-00-000	600	70.0	70.8	2

¹ See Note 1.



Type Certificate Holder¹ **Pipistrel Vertical Solutions d.o.o.** Aircraft Type Designation¹ **Virus SW 121**

Engine TC Holder **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 912 S3**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C15414	MT-Propeller Entwicklung GmbH	MTV-33-1-A/170-200	SB-121-00-80-032 (Noise level reduction), Muffler: Akrapovic Akrapovic iS iaw drawing number 121-78-00-000	600	65.6	70.8	2

¹ See Note 1.



Type Certificate Holder¹ **Pipistrel Vertical Solutions d.o.o.** Aircraft Type Designation¹ **Virus SW 121A**
(Commercial Designation **Explorer**)

Engine TC Holder **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 912 S3**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C14634	MT-Propeller Entwicklung GmbH	MTV-33-1-A/170-200	Muffler: Akrapovic Akrapovic iS iaw drawing number 121-78-00-000	600	70.0	70.8	2

¹ See Note 1.



Type Certificate Holder¹ **Pipistrel Vertical Solutions d.o.o.** Aircraft Type Designation¹ **Virus SW 121A**
 (Commercial Designation **Explorer)**

Engine TC Holder **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 912 S3**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C15412	MT-Propeller Entwicklung GmbH	MTV-33-1-A/170-200	Major change 10087687 or SB-121-00-80-032 (Noise level reduction), Muffler: Akrapovic Akrapovic iS iaw drawing number 121-78-00-000	600	65.6	70.8	2

¹ See Note 1.



Type Certificate Holder¹ **Pipistrel Vertical Solutions d.o.o.** Aircraft Type Designation¹ **Virus SW 121C**
 (Commercial Designation **Velis Club**)

Engine TC Holder **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 912 S3**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C14453	MT-Propeller Entwicklung GmbH	MTV-33-1-A/170-200	Muffler: Akrapovic Akrapovic iS iaw drawing number 121-78-00-000	600	70.0	70.8	2

¹ See Note 1.



Type Certificate Holder¹ **Pipistrel Vertical Solutions d.o.o.** Aircraft Type Designation¹ **Virus SW 121C**
(Commercial Designation **Velis Club**)

Engine TC Holder **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 912 S3**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C15413	MT-Propeller Entwicklung GmbH	MTV-33-1-A/170-200	Major change 10087687 or SB-121-00-80-032 (Noise level reduction), Muffler: Akrapovic Akrapovic iS iaw drawing number 121-78-00-000	600	65.6	70.8	2

¹ See Note 1.



Type Certificate Holder¹ **Pipistrel Vertical Solutions d.o.o.** Aircraft Type Designation¹ **Virus SW 121X**
(Commercial Designation **X-Eye)**

Engine TC Holder **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 912 S3**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C15381	MT-Propeller Entwicklung GmbH	MTV-33-1-A/170-200	Muffler: Akrapovic Akrapovic iS iaw drawing number 121-78-00-000	600	66.9	70.8	2

¹ See Note 1.



Type Certificate Holder ¹	Pipistrel Vertical Solutions d.o.o.	Aircraft Type Designation ¹ (Commercial Designation)	Virus SW 128 Velis Electro
Engine TC Holder	Pipistrel d.o.o. Ajdovščina	Engine Type Designation ¹	E-811 / 268MVLC
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 7 / Amendment 11-B
		Chapter ¹	10 (10.4b)

EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C14359	Pipistrel d.o.o. Ajdovščina	P-812 / 164-F3A	None	600	60.0	70.8	-

¹ See Note 1.



Correspondence between the ICAO Annex 16 Volume I levels of amendment and the related EU regulations

The table below provides the correspondence between the levels of amendment of Volume I of ICAO Annex 16 and the related EU regulations that have implemented these levels of amendment since 2003, as well as the respective applicability dates.

ICAO Annex 16 Volume I		EU regulations	
Amendment level	Applicability date	Regulation number	Applicability date
Amendment 14	01/01/2024	Regulation (EU) 2025/870*	25/05/2025
Amendment 13	01/01/2021	Regulation (EU) 2021/1087*	25/07/2021
Amendment 12	01/01/2018	Regulation (EU) 2018/1139 (Art.9)	11/09/2018
Amendment 11-B	01/01/2015	Regulation (EU) 2016/4*	26/01/2016
Amendment 10	17/11/2011	Regulation (EU) No 6/2013*	29/01/2013
Amendment 9	20/11/2008	Regulation (EC) No 690/2009*	20/08/2009
Amendment 8	24/11/2005	Regulation (EC) No 216/2008 (Art.6)	29/03/2007
		Regulation (EC) No 334/2007*	29/03/2007
Amendment 7	21/03/2002	Regulation (EC) No 1701/2003*	28/09/2003
Amendment 6	04/11/1999	Regulation (EC) No 1592/2002 (Art.6)	28/09/2003

* Regulations that amend Article 6 of Regulations (EC) No 1592/2002 and (EC) No 216/2008, and Article 9 of Regulation (EU) 2018/1139

TCDSN EASA.A.573 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. Also applicable to engines with the designation suffix -01



Change Record

Issue	Date	Changes
Issue 1	18 April 2016	Initial issue
Issue 2	25 January 2019	Change of Type Certification Holder
Issue 3	10 June 2020	Model Virus SW 128 added
Issue 4	25 January 2021	Model Virus SW 121C added
Issue 5	25 January 2021	Commercial designation revised
Issue 6	25 February 2025	Model Virus SW 121X added
Issue 7	30 July 2025	Records C15412, C15413 and C15414 added.

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