

# ***European Aviation Safety Agency***

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**EASA**

## **TYPE-CERTIFICATE DATA SHEET FOR NOISE**

**Ventus bT**

**Type Certificate Holder:**  
**Schempp-Hirth Flugzeugbau GmbH**  
Krebenstraße 25  
73230 Kirchheim / Teck  
Germany

For models : Ventus bT  
Ventus cM  
Ventus cT  
Ventus-2cM  
Ventus-2cT

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Type Certificate Holder\*    **Schempp-Hirth Flugzeugbau GmbH**                      Aircraft Type Designation\*    **Ventus bT**

Engine Manufacturer\*        **Solo Kleinmotoren GmbH**                      Engine Type Designation\*    **2350**

Noise Certification Basis    **ICAO Annex 16, Volume I**    Edition / Amendment                      Chapter\*                      **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C5536	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83</b>	<b>none</b>	<b>430</b>	<b>65,3</b>	<b>68,0</b>
C9338	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5</b>	<b>none</b>	<b>430</b>	<b>65,3</b>	<b>68,0</b>

\* Items so marked shall be included on EASA Form 45.

\*\* Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder\* **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation\* **Ventus bT**  
 Engine Manufacturer\* **Oehler-Webra** Engine Type Designation\* **OE-WE-2 R-306/82**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C8875	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 4.79/82</b>	<b>none</b>	<b>430</b>	<b>60,5</b>	<b>68,0</b>
C8876	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 4.79/83</b>	<b>none</b>	<b>430</b>	<b>60,5</b>	<b>68,0</b>

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Type Certificate Holder\*    **Schempp-Hirth Flugzeugbau GmbH**                      Aircraft Type Designation\*    **Ventus cM**

Engine Manufacturer\*        **Solo Kleinmotoren GmbH**                      Engine Type Designation\*    **2350 C**

Noise Certification Basis    **ICAO Annex 16, Volume I**    Edition / Amendment                      Chapter\*                      **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C4854	<b>Technoflug</b>	<b>KS-132-2-S</b>	<b>none</b>	<b>430</b>	<b>63,2</b>	<b>68,0</b>

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Type Certificate Holder\* **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation\* **Ventus cT**  
 Engine Manufacturer\* **Solo Kleinmotoren GmbH** Engine Type Designation\* **2350**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C5530	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83</b>	<b>Silencer : Solo According to TM 4603-3</b>	<b>430</b>	<b>57,7</b>	<b>68,0</b>
C5531	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5, v92</b>	<b>Silencer : Solo According to TM 4603-3</b>	<b>430</b>	<b>57,7</b>	<b>68,0</b>

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Type Certificate Holder\* **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation\* **Ventus-2cM**  
 Engine Manufacturer\* **Solo Kleinmotoren GmbH** Engine Type Designation\* **2 625 01**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **10 (10.4b)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C8842	<b>Technoflug</b>	<b>KS-1G-152-R-122</b>	<b>Technical note LBA 825-37/2 (Increase of MTOW to 585 kg)</b>	<b>585</b>	<b>63,1</b>	<b>70,4</b>

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Type Certificate Holder\* **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation\* **Ventus-2cM**  
 Engine Manufacturer\* **Solo Kleinmotoren GmbH** Engine Type Designation\* **2 625 01**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **10 (10.4a)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C4851	<b>Technoflug</b>	<b>KS-1G-152-R-122</b>	<b>Silencer : Binder</b>	<b>565</b>	<b>61,7</b>	<b>76,0</b>
C8802	<b>Technoflug</b>	<b>KS-1G-152-R-122</b>	<b>TM 825-27 ()</b>	<b>525</b>	<b>61,7</b>	<b>76,0</b>
C8803	<b>Technoflug</b>	<b>KS-1G-152-R-122</b>	<b>TM 825-27 and TM 825-25/-38 ()</b>	<b>525</b>	<b>61,2</b>	<b>76,0</b>

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Type Certificate Holder\* **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation\* **Ventus-2cM**  
 Engine Manufacturer\* **Solo Kleinmotoren GmbH** Engine Type Designation\* **2489**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **10 (10.4a)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C4849	<b>Technoflug</b>	<b>KS-F2-1A/158-R108</b>	<b>none</b>	<b>525</b>	<b>62,6</b>	<b>76,0</b>
C4850	<b>Technoflug</b>	<b>KS-F2-1A/158-R108</b>	<b>none</b>	<b>500</b>	<b>62,0</b>	<b>76,0</b>

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Type Certificate Holder    **Schempp-Hirth Flugzeugbau GmbH**                      Aircraft Type Designation            **Ventus-2cT**  
 Engine Manufacturer        **Solo Kleinmotoren GmbH**                      Engine Type Designation            **2350**  
 Noise Certification Basis    **ICAO Annex 16, Volume I**    Edition / Amendment                      Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C5110	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5, v92</b>	<b>Silencer : Solo According to TM 4603-3</b>	<b>600</b>	<b>**</b>	<b>**</b>
C9341	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5, v92</b>	<b>Silencer : Solo According to TM 4603-3</b>	<b>565</b>	<b>**</b>	<b>**</b>
C9340	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5, v92</b>	<b>Silencer : Solo According to TM 4603-3</b>	<b>525</b>	<b>**</b>	<b>**</b>
C9339	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5, v92</b>	<b>Silencer : Solo According to TM 4603-3</b>	<b>500</b>	<b>**</b>	<b>**</b>

\*\*The aircraft is in accordance with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I, Chapter 10, by virtue of being a self-sustaining powered sailplane.

**Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	23 March 2011	Initial Issue