

# ***European Aviation Safety Agency***

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**EASA**

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

**Nimbus-4M**

**Type Certificate Holder:  
Schempp-Hirth Flugzeugbau GmbH**

Krebenstraße 25  
73230 Kirchheim / Teck  
Germany

For models : Nimbus-4DM  
Nimbus-4DT  
Nimbus-4M  
Nimbus-4T

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Type Certificate Holder\*    **Schempp-Hirth Flugzeugbau GmbH**                      Aircraft Type Designation\*    **Nimbus-4DM**

Engine Manufacturer\*        **Solo Kleinmotoren GmbH**                      Engine Type Designation\*    **2 625 02**

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
C117	<b>Technoflug</b>	<b>KS-1G-160-R-110</b>	<b>none</b>	<b>820</b>	<b>61,7</b>	<b>80,4</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\*    **Nimbus-4DM**

Engine Manufacturer\*        **BRP - Rotax GmbH & Co.KG**                      Engine Type Designation\*    **Rotax 535 C**

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
C118	<b>Technoflug</b>	<b>KS-1G-160-R-98</b>	<b>none</b>	<b>820</b>	<b>64,9</b>	<b>80,4</b>

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Type Certificate Holder    **Schempp-Hirth Flugzeugbau GmbH**                      Aircraft Type Designation            **Nimbus-4DT**  
 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
C3857	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5, v92</b>	<b>none</b>	<b>800</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 sailplane.

Type Certificate Holder\* **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation\* **Nimbus-4M**  
 Engine Manufacturer\* **Solo Kleinmotoren GmbH** Engine Type Designation\* **2 625 02**  
 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
C3421	<b>Technoflug</b>	<b>KS-1G-160-R-110</b>	<b>none</b>	<b>800</b>	<b>61,3</b>	<b>75,3</b>

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\*\* 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\*    **Nimbus-4M**

Engine Manufacturer\*        **BRP - Rotax GmbH & Co.KG**                      Engine Type Designation\*    **Rotax 505 A**

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
C3420	<b>Technoflug</b>	<b>KS-1C-158-R-108</b>	<b>none</b>	<b>800</b>	<b>59,8</b>	<b>70,7</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	<b>Schempp-Hirth Flugzeugbau GmbH</b>	Aircraft Type Designation	<b>Nimbus-4T</b>
Engine Manufacturer	<b>Solo Kleinmotoren GmbH</b>	Engine Type Designation	<b>2350</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C4949	<b>Ingrid Oehler TB GmbH</b>	<b>OE-FL 5.83/83 a5, v92</b>	<b>none</b>	<b>800</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 sailplane.

### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	12 December 2006	Initial Issue
Issue 2	03 May 2007	Page 8: Delete record C4950 Page 8: Add record C3857
Issue 3	22 October 2007	Page 3: Revise record C3420 Page 4: Revise record C3421 Page 5: Revise record C118 Page 6: Revise record C117
Issue 4	06 January 2010	Update of the footnote for blank records