



European Aviation Safety Agency

EASA

**TYPE-CERTIFICATE
DATA SHEET FOR NOISE**

No. EASA.A.063

for

Nimbus

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

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

INTENTIONALLY LEFT BLANK

Type Certificate Holder¹ **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation¹ **Nimbus-4DM**

Engine Manufacturer¹ **Solo Kleinmotoren GmbH** Engine Type Designation¹ **2 625 02**

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

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C117	Technoflug	KS-1G-160-R-110	none	820	61.7	80.4	-

¹ See Note 1.

Type Certificate Holder¹ **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation¹ **Nimbus-4DM**

Engine Manufacturer¹ **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 535 C**

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

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C118	Technoflug	KS-1G-160-R-98	none	820	64.9	80.4	-

¹ See Note 1.

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 essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C3857	Ingrid Oehler TB GmbH	OE-FL 5.83/83 a5, v92	none	800	-		2

Type Certificate Holder¹ **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation¹ **Nimbus-4M**

Engine Manufacturer¹ **Solo Kleinmotoren GmbH** Engine Type Designation¹ **2 625 02**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **5 Edition / Amendment 9** Chapter¹ **10 (10.4b)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C10693	Technoflug	KS-1G-160-R-110	none	850	61.7	76.2	-
C3421	Technoflug	KS-1G-160-R-110	none	800	61.3	75.3	-

¹ See Note 1.

Type Certificate Holder¹ **Schempp-Hirth Flugzeugbau GmbH** Aircraft Type Designation¹ **Nimbus-4M**

Engine Manufacturer¹ **BRP - Rotax GmbH & Co.KG** Engine Type Designation¹ **Rotax 505 A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C3420	Technoflug	KS-1C-158-R-108	none	800	59.8	70.7	-

¹ See Note 1.

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

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 essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C4949	Ingrid Oehler TB GmbH	OE-FL 5.83/83 a5, v92	none	800	-		2

TCDSN EASA.A.063 Notes

1. Items so marked shall be included on EASA Form 45.
2. This aircraft type conforms 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

Issue	Date	Changes
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
Issue 5	16 July 2012	Increased MTOW of 850 kg for Record C10693

-END-