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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.A.249**

**for**

**G 109**

**Type Certificate Holder:**

**Grob Aircraft SE**

Lettenbachstrasse 9

86874 Tussenhausen-Mattsies

GERMANY

For models:

G109

G109B



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Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109**

Engine Manufacturer<sup>1</sup>      **Limbach**      Engine Type Designation<sup>1</sup>      **L 2000 EB 1.(A)(A)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C952	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>None</b>	<b>825</b>	<b>65.9</b>	<b>71.0</b>	-
C953	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>None</b>	<b>810</b>	<b>65.4</b>	<b>70.8</b>	-
C954	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L-160 T</b>	<b>None</b>	<b>825</b>	<b>65.9</b>	<b>71.0</b>	-
C955	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L-160 T</b>	<b>None</b>	<b>810</b>	<b>65.4</b>	<b>70.8</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109**

Engine Manufacturer<sup>1</sup>      **Limbach**      Engine Type Designation<sup>1</sup>      **L 2400 EB 1.AA**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C9777	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-1-A/L 160-03</b>	<b>None</b>	<b>825</b>	<b>61.3</b>	<b>71.0</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109**

Engine Manufacturer<sup>1</sup>      **BRP - Rotax GmbH & Co.KG**      Engine Type Designation<sup>1</sup>      **Rotax 912 A3**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4a)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Take-Off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C3750	<b>Hoffmann Propeller</b>	<b>HO-V352F-S1/S 170 FQ</b>	<b>Silencer: Heggemann 2500003</b>	<b>825</b>	<b>72.4</b>	<b>80.5</b>	<b>2</b>
C3751	<b>Hoffmann Propeller</b>	<b>HO-V62-HS/170FA</b>	<b>None</b>	<b>825</b>	<b>68.1</b>	<b>80.5</b>	<b>2</b>
C3752	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-21-A-C-F/C175-05</b>	<b>None</b>	<b>825</b>	<b>70.8</b>	<b>80.5</b>	<b>2</b>

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109**

Engine Manufacturer<sup>1</sup>      **BRP - Rotax GmbH & Co.KG**      Engine Type Designation<sup>1</sup>      **Rotax 912 A3**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C956	<b>Hoffmann Propeller</b>	<b>HO-V62-HS/170FA</b>	<b>None</b>	<b>825</b>	<b>57.7</b>	<b>71.0</b>	<b>2</b>

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109B**

Engine Manufacturer<sup>1</sup>      **Grob**      Engine Type Designation<sup>1</sup>      **2500 D1**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C957	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>Silencer: 109B-6609 or 109B-6609/1 According to TM 817-26</b>	<b>850</b>	<b>60.7</b>	<b>71.3</b>	-
C958	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>None</b>	<b>850</b>	<b>66.1</b>	<b>71.3</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109B**

Engine Manufacturer<sup>1</sup>      **Grob**      Engine Type Designation<sup>1</sup>      **2500 D1/V**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C14526	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>Silencer: 109B-6609 or 109B-6609/1 According to TM 817-26</b>	<b>850</b>	<b>60.7</b>	<b>71.3</b>	-
C14527	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>None</b>	<b>850</b>	<b>66.1</b>	<b>71.3</b>	-

<sup>1</sup> See Note 1.





Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109B**

Engine Manufacturer<sup>1</sup>      **Grob**      Engine Type Designation<sup>1</sup>      **2500 E1**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C959	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>Silencer: 109B-6609 or 109B-6609/1 According to TM 817-26</b>	<b>850</b>	<b>60.7</b>	<b>71.3</b>	-
C960	<b>Hoffmann Propeller</b>	<b>HO-V62-R/L160 BT</b>	<b>None</b>	<b>850</b>	<b>66.1</b>	<b>71.3</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109B**

Engine Manufacturer<sup>1</sup>      **Limbach**      Engine Type Designation<sup>1</sup>      **L 2400 EB 1.AA**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C962	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-1-A/L 160-03</b>	<b>Silencer: Gomolzig-Limbach 244.173.010</b>	<b>850</b>	<b>62.9</b>	<b>71.3</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Grob Aircraft SE**      Aircraft Type Designation<sup>1</sup>      **G109B**

Engine Manufacturer<sup>1</sup>      **BRP - Rotax GmbH & Co.KG**      Engine Type Designation<sup>1</sup>      **Rotax 912 iSc3**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **10 (10.4b)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Take-Off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C14524	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-21-A-C-F/CF170-05</b>	<b>OÄM 817-030 (Installation of engine Rotax 912iSc), ,</b>	<b>850</b>	<b>71.2</b>	<b>76.2</b>	-

<sup>1</sup> See Note 1.



### **CS-36 Amendment level**

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

### **TCDSN EASA.A.249 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**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
01	28 June 2021	Initial Issue
02	22 September 2021	Record C3750 added

