



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

**No. EASA.A.639**

**for**

**DA 50 C**

**Type Certificate Holder:**  
**Diamond Aircraft Industries GmbH**  
Nikolaus-August-Otto-Straße 5  
2700 Wiener Neustadt  
AUSTRIA

For models:  
DA 50 C



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Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 50 C**

Engine Manufacturer<sup>1</sup>      **Continental Aerospace Technologies GmbH**      Engine Type Designation<sup>1</sup>      **Centurion 3.0**

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	
C14406	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-12-D/210-56</b>	<b>Muffler: Diamond Aircraft D54-7806-11-00( ) and D54-7806-12-00( ) Standard Exhaust according to MÄM 50-097</b>	<b>1,999</b>	<b>85.0</b>	<b>85.0</b>	-

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



Type Certificate Holder <sup>1</sup>	<b>Diamond Aircraft Industries GmbH</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>DA 50 C</b> <b>DA 50 RG</b>
Engine Manufacturer <sup>1</sup>	<b>Continental Aerospace Technologies GmbH</b>	Engine Type Designation <sup>1</sup>	<b>Centurion 3.0</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 13</b>
		Chapter <sup>1</sup>	<b>10 (10.4b)</b>

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	
C15250	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-12-D/210-56</b>	<b>Muffler: Diamond Aircraft D54-7806-21-00( ) and D54-7806-22-00( ) Standard Exhaust according to MÄM 50-110</b>	<b>1,999</b>	<b>82.5</b>	<b>85.0</b>	<b>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.639 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. with or without Air Conditioning System (RACC) acc. OÄM 50-002 installed



### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 01	27 August 2020	Initial Issue
Issue 02	05 October 2023	Muffler description of record C14406 amended
Issue 03	28 November 2023	Record C15250 added

