

# ***European Aviation Safety Agency***

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**EASA**

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

**DA20**

**Type Certificate Holder:  
Diamond Aircraft Industries, Inc.**

1560 Crumlin Sideroad, London Ontario  
N5V 1S2  
CANADA

For models : DA20-A1  
DA20-C1

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Type Certificate Holder\* **Diamond Aircraft Industries, Inc.** Aircraft Type Designation\* **DA20-A1**  
 Engine Manufacturer\* **BRP - Rotax GmbH & Co.KG** Engine Type Designation\* **Rotax 912 A3**  
 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
C2975	<b>Hoffmann Propeller</b>	<b>HO-V352F-()170FQ</b>	<b>none</b>	<b>730</b>	<b>64,8</b>	<b>78,8</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\* **Diamond Aircraft Industries, Inc.** Aircraft Type Designation\* **DA20-A1**  
 Engine Manufacturer\* **BRP - Rotax GmbH & Co.KG** Engine Type Designation\* **Rotax 912 F3**  
 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
C2976	<b>Hoffmann Propeller</b>	<b>HO-V352F-()170FQ</b>	<b>none</b>	<b>730</b>	<b>64,8</b>	<b>78,8</b>

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Type Certificate Holder\* **Diamond Aircraft Industries, Inc.** Aircraft Type Designation\* **DA20-A1**  
 Engine Manufacturer\* **BRP - Rotax GmbH & Co.KG** Engine Type Designation\* **Rotax 912 S3**  
 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
C2977	<b>Hoffmann Propeller</b>	<b>HO-V352F-()170FQ</b>	<b>none</b>	<b>750</b>	<b>66,5</b>	<b>79,1</b>

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Type Certificate Holder\* **Diamond Aircraft Industries, Inc.** Aircraft Type Designation\* **DA20-C1**  
 Engine Manufacturer\* **Teledyne Continental** Engine Type Designation\* **IO-240-B()**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** 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
C4942	<b>Hoffmann Propeller</b>	<b>HO-14-HM-175-157</b>	<b>none</b>	<b>750</b>	<b>73,7</b>	<b>79,1</b>
C2982	<b>Sensenich</b>	<b>W69EK-63()</b>	<b>Silencer : Wall Colmonoy Original Exhaust</b>	<b>750</b>	<b>69,5</b>	<b>79,1</b>
C2983	<b>Sensenich</b>	<b>W69EK7-63()</b>	<b>Silencer : Wall Colmonoy Original Exhaust</b>	<b>750</b>	<b>69,5</b>	<b>79,1</b>

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Type Certificate Holder\* **Diamond Aircraft Industries, Inc.** Aircraft Type Designation\* **DA20-C1**  
 Engine Manufacturer\* **Teledyne Continental** Engine Type Designation\* **IO-240-B()**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **5 Edition / Amendment 9** 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
C10354	<b>Sensenich</b>	<b>W69EK-63()</b>	<b>Silencer : Wall Colmonoy Original Exhaust</b>	<b>800</b>	<b>75,3</b>	<b>75,3</b>
C10355	<b>Sensenich</b>	<b>W69EK7-63()</b>	<b>Silencer : Wall Colmonoy Original Exhaust</b>	<b>800</b>	<b>75,3</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

### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	25 January 2010	Initial Issue
Issue 2	18 March 2011	Added variant with MTOM = 800 kg; amended records C2982 and C2983
Issue 3	01 April 2011	Changed noise level for records C10354 and C10355 to 75,3 dB(A)