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## TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.A.434**

**for**

**HB 21**

**Type Certificate Holder:**

**HB-Flugtechnik GmbH**

Dr. Adolf Schärfstrasse 42

A-4053 Haid

Austria

For models:

HB 21

HB 21 V2

HB 21/2400

HB 21/2400 B



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Type Certificate Holder<sup>1</sup>      **HB-Flugtechnik GmbH**      Aircraft Type Designation<sup>1</sup>      **HB 21**

Engine Manufacturer<sup>1</sup>      **VW**      Engine Type Designation<sup>1</sup>      **VW-W-1600 G**

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	
C3113	<b>Hoffmann Propeller</b>	<b>HO-14()-172-117-LD</b>	<b>None</b>	<b>710</b>	<b>67.0</b>	<b>78.4</b>	-

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



Type Certificate Holder<sup>1</sup>      **HB-Flugtechnik GmbH**      Aircraft Type Designation<sup>1</sup>      **HB 21**

Engine Manufacturer<sup>1</sup>      **VW**      Engine Type Designation<sup>1</sup>      **VW-W-1600 G**

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	
C3114	<b>Hoffmann Propeller</b>	<b>HO-14()-172-117-LD</b>	<b>None</b>	<b>710</b>	<b>66.8</b>	<b>69.5</b>	-
C14461	<b>Hoffmann Propeller</b>	<b>HO-14()-175-117-LD</b>	<b>None</b>	<b>750</b>	<b>70.0</b>	<b>70.0</b>	-
C10984	<b>Hoffmann Propeller</b>	<b>HO-14()-175-117-LD</b>	<b>None</b>	<b>710</b>	<b>66.8</b>	<b>69.5</b>	-

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



Type Certificate Holder<sup>1</sup>      **HB-Flugtechnik GmbH**      Aircraft Type Designation<sup>1</sup>      **HB 21**

Engine Manufacturer<sup>1</sup>      **VW**      Engine Type Designation<sup>1</sup>      **VW-W-1600 G/2**

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	
C3115	<b>Hoffmann Propeller</b>	<b>HO-14()-172-117-LD</b>	<b>None</b>	<b>710</b>	<b>67.0</b>	<b>78.4</b>	-

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



Type Certificate Holder<sup>1</sup>      **HB-Flugtechnik GmbH**      Aircraft Type Designation<sup>1</sup>      **HB 21**

Engine Manufacturer<sup>1</sup>      **VW**      Engine Type Designation<sup>1</sup>      **VW-W-1600 G/2**

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	
C12103	<b>Hoffmann Propeller</b>	<b>HO-14()-175-117-LD</b>	<b>None</b>	<b>750</b>	<b>70.0</b>	<b>70.0</b>	-
C10985	<b>Hoffmann Propeller</b>	<b>HO-14()-175-117-LD</b>	<b>None</b>	<b>710</b>	<b>66.8</b>	<b>69.5</b>	-

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



Type Certificate Holder<sup>1</sup>      **HB-Flugtechnik GmbH**      Aircraft Type Designation<sup>1</sup>      **HB 21 V2**

Engine Manufacturer<sup>1</sup>      **VW**      Engine Type Designation<sup>1</sup>      **VW-W-1600 G**

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	
C3766	<b>Hoffmann Propeller</b>	<b>HO-14()-175-117-LD</b>	<b>None</b>	<b>700</b>	<b>66.8</b>	<b>69.3</b>	-

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



Type Certificate Holder<sup>1</sup>      **HB-Flugtechnik GmbH**      Aircraft Type Designation<sup>1</sup>      **HB 21/2400**

Engine Manufacturer<sup>1</sup>      **VW**      Engine Type Designation<sup>1</sup>      **VW-HB-2400 G**

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	
C10371	<b>Hoffmann Propeller</b>	<b>HO-14()-172-130-LD</b>	<b>None</b>	<b>750</b>	<b>69.5</b>	<b>70.0</b>	-

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





Type Certificate Holder<sup>1</sup>      **HB-Flugtechnik GmbH**      Aircraft Type Designation<sup>1</sup>      **HB 21/2400 B**

Engine Manufacturer<sup>1</sup>      **VW**      Engine Type Designation<sup>1</sup>      **VW-HB-2400 G**

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	
C3116	<b>Hoffmann Propeller</b>	<b>HO-14()-172-130-LD</b>	<b>None</b>	<b>775</b>	<b>69.5</b>	<b>70.3</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
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5

### **TCDSN EASA.A.434 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	04 April 2011	Initial release
Issue 2	21 March 2013	Added record C10984 and C10985
Issue 3	20 October 2014	Revised.
Issue 4	25 March 2021	Record C14461 added.

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