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

**No. EASA.A.065** 

for

H 36

**Type Certificate Holder: Diamond Aircraft Industries GmbH** 

> N.A. Otto-Str. 5 A-2700 Wiener Neustadt **AUSTRIA**

#### For models:

H 36

**HK 36** 

HK 36 R

**HK 36 TC** 

**HK 36 TS** 

HK 36 TTC

HK 36 TTC-ECO

HK 36 TTS



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> H 36

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 2000 EB 1.AC

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	Overflight dB(A)		See
				Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C1778	Hoffmann	HO-V62-R-L160BT	None	770	59.3	70.3	_
C1778	Propeller	110-V02-11-L100D1	None	770	3	70.5	_
C1779	Hoffmann	HO-V62-R-L-160-T	None	770	62.8	70.3	
C1//9	Propeller	HO-402-K-L-100-1	None	770	02.8	/0.3	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> HK 36

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

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

EACA	ASA Propeller ord No. Manufacturer <sup>1</sup>	Propeller Type	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum	Overflight dB(A)		See
Record No.		Designation <sup>1</sup>		Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C5680	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	770	61.9	70.3	-



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> HK 36 R

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 912 A2

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

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Overflight dB(A)		See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels $^{\! 1}$	Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C1786	MT-Propeller Entwicklung GmbH	MTV-1-A/170-08	None	770	55.5	70.3	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> HK 36 R

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)

ΓΛζΛ	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-O	ff dB(A)	500
EASA Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels1	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C10466	Hoffmann Propeller	HO-V352F-S1-S170FQ	None	770	65.4	79.5	2



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Type Certificate Holder<sup>1</sup> **Diamond Aircraft Industries GmbH** Aircraft Type Designation<sup>1</sup> HK 36 TC

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

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

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	
					Level <sup>1</sup>	Limit	Note	
C3770	MT-Propeller Entwicklung	MTV-21-A-C-F/C175-05	None	770	65.7	79.5	2	
	GmbH MT-Propeller						_	
C45	Entwicklung GmbH	MTV-21-A-C-F/CF175-05	None	770	61.8	79.5	2	

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> HK 36 TC

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 912 S3

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

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels $^{\!1}$	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note	
C1792	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: DAI TC1-7806-10-00() or 820-7100-08-06() Standard exhaust	770	64.5	74.7	2	



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> HK 36 TS

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 Propeller Record No. Manufacturer	Propoller Pro	Propeller Type	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum	Take-Off dB(A)		See	
	Manufacturer <sup>1</sup>	Designation <sup>1</sup>		Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note	
C3771	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/C(F)175- 05	None	770	65.0	79.5	2	



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Type Certificate Holder<sup>1</sup> **Diamond Aircraft Industries GmbH** Aircraft Type Designation<sup>1</sup> **HK 36 TTC** 

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 914 F3

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

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See	
Record No. Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note		
C5006	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-401 Standard muffler	770	70.3	79.5	2	
C5008	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-405 Noise Reduction muffler acc. MSB-36-057 (alternative P/N acc. MSB: DAI-1 or 979-402, -404, -406)	770	64.3	79.5	2	

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> **Diamond Aircraft Industries GmbH** Aircraft Type Designation<sup>1</sup> **HK 36 TTC** 

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> **Rotax 914 F4** 

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

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note	
C5007	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-401 Standard muffler	770	70.3	79.5	2	
C5009	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-405 Noise Reduction muffler acc. MSB-36-057 (alternative P/N acc. MSB: DAI-1 or 979-402, -404, -406)	770	64.3	79.5	2	

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> **Diamond Aircraft Industries GmbH** Aircraft Type Designation<sup>1</sup> **HK 36 TTC-ECO** 

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 914 F3

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

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note	
644	MT-Propeller	NATA 24 A 0 5/05/35 05	Silencer: Bombardier-Rotax GmbH 979-405 Noise	770	<b>-</b> 0.0	70.5		
C11	Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Reduction muffler acc. MSB-36-057 (alternative P/N acc. MSB: DAI-1 or 979-402, -404, -406)	770	59.9	79.5	2	



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Type Certificate Holder<sup>1</sup> **Diamond Aircraft Industries GmbH** Aircraft Type Designation<sup>1</sup> **HK 36 TTC-ECO** 

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 914 F4

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

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note	
	MT-Propeller		Silencer: Bombardier-Rotax GmbH 979-405 Noise					
C13	Entwicklung	MTV-21-A-C-F/CF175-05	Reduction muffler acc. MSB-36-057	770	59.9	79.5	2	
	GmbH		(alternative P/N acc. MSB: DAI-1 or 979-402, -404, -406)					

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> HK 36 TTS

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 914 F3

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

				Maximu	Take-Off dB(A)		
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>	m Take- Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C3773	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-401 Standard muffler	770	70.2	79.5	2
C3772	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-405 Noise Reduction muffler acc. MSB-36-057 (alternative P/N acc. MSB: DAI-1 or 979-402, -404, -406)	770	64.2	79.5	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Diamond Aircraft Industries GmbH Aircraft Type Designation<sup>1</sup> HK 36 TTS

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 914 F4

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
					Level <sup>1</sup>	Limit	Note
C3775	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-401 Standard muffler	770	70.2	79.5	2
C3774	MT-Propeller Entwicklung GmbH	MTV-21-A-C-F/CF175-05	Silencer: Bombardier-Rotax GmbH 979-405 Noise Reduction muffler acc. MSB-36-057 (alternative P/N acc. MSB: DAI-1 or 979-402, -404, -406)	770	64.2	79.5	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



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### **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.065 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

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## **Change Record**

Issue	Date	Changes
Issue 1	29 January 2007	Initial Release
Issue 2	21 February 2007	Revised
Issue 3	30 April 2007	Revised
Issue 4	22 October 2007	Revised
Issue 5	18 June 2010	Amended Record C1792
Issue 6	19 January 2011	Record C3771 revised
Issue 7	18 November 2011	Record C10466 added.
Issue 8	15 January 2021	Records C3772, C3774, C5008, C5009 and C5680 added,
		Records C11, C13, C3773, C3775 C5006, C5007: Muffler revised

