



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.005

for

DA 42 - Series

Type Certificate Holder:

Diamond Aircraft Industries GmbH

Nikolaus-August-Otto-Straße 5

2700 Wiener Neustadt

AUSTRIA

For models:

DA 42

DA 42 M

DA 42 M-NG

DA 42 NG



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Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42**

Engine Manufacturer¹ **Continental Aerospace Technologies GmbH** Engine Type Designation¹ **TAE 125-01**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C10	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	None	1,785	76.8	88.0	-
C8	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	None	1,700	75.2	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42**

Engine Manufacturer¹ **Continental Aerospace Technologies GmbH** Engine Type Designation¹ **TAE 125-02-114**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 6 / Amendment 10** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C12132	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	OÄM 42-252 (Installation of TAE 125-02-114)	1,785	80.9	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42**

Engine Manufacturer¹ **Continental Aerospace Technologies GmbH** Engine Type Designation¹ **TAE 125-02-99**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C5003	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	None	1,785	79.1	88.0	-
C5002	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	None	1,700	77.6	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42**

Engine Manufacturer¹ **Continental Aerospace Technologies GmbH** Engine Type Designation¹ **TAE 125-02-99**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C5599	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	Muffler: Diamond Aircraft D60-7806-20-00 Additional Exhaust End Pipe according to EASA.A.C.09310 (OÄM 42-130)	1,785	77.3	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 M**

Engine Manufacturer¹ **Continental Aerospace Technologies GmbH** Engine Type Designation¹ **TAE 125-02-114**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 6 / Amendment 10** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C12133	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	OÄM 42-252 (Installation of TAE 125-02-114)	1,785	80.9	88.0	-

¹ See Note 1.



Type Certificate Holder ¹	Diamond Aircraft Industries GmbH	Aircraft Type Designation ¹ (Commercial Designation	DA 42 M Twin Star)
Engine Manufacturer ¹	Continental Aerospace Technologies GmbH	Engine Type Designation ¹	TAE 125-02-99
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 4 / Amendment 8
		Chapter ¹	10 (10.4a)

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C5411	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	None	1,785	79.1	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 M-NG**

Engine Manufacturer¹ **Austro Engine GmbH** Engine Type Designation¹ **E4**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C11967	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 1999kg. Without External Containers), Engine: E4-B (according DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	1,999	79.5	88.0	-
C11968	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 and OÄM 42-260 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg. Without External Containers), Engine: E4-B (according DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	2,001	79.5	88.0	-
C11974	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 and OÄM 42-260 and	2,001	80.7	88.0	-

¹ See Note 1.



			<p>OÄM 42-228 or OÄM 42-240 or OÄM 42-241 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg. With External Containers.), Engine: E4-B (according DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_ () or D65-7806-10-00_ () Standard Exhaust or On Top Exhaust according to OÄM 42-173</p>				
C11973	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	<p>MÄM 42-678 and OÄM 42-228 or OÄM 42-240 or OÄM 42-241 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 1999kg. With External Containers.), Engine: E4-B (according DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_ () or D65-7806-10-00_ () Standard Exhaust or On Top Exhaust according to OÄM 42-173</p>	1,999	80.7	88.0	-
C9263	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	<p>Engine: E4-B (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00</p>	1,900	78.0	88.0	2



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 M-NG**

Engine Manufacturer¹ **Austro Engine GmbH** Engine Type Designation¹ **E4**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C10141	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	Engine: E4-B (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D65-7806-10-00_() On Top Exhaust according to OÄM 42-173	1,900	70.4	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 M-NG**

Engine Manufacturer¹ **Austro Engine GmbH** Engine Type Designation¹ **E4**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 6 / Amendment 10** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C12247	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	MÄM 42-600 (Performance Enhancement), Engine: E4-C (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D65-7807-10-00 On Top Exhaust according to OÄM 42-173	1,999	76.5	88.0	-
C14068	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	MÄM 42-600 (Performance Enhancement (including OÄM 42-326)), Engine: E4-C (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-12-00() Standard Exhaust	1,999	79.1	88.0	-
C12249	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	MÄM 42-600 and OÄM 42-260 (Performance Enhancement, MTOM 2001 kg), Engine: E4-C (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D65-7807-10-00 On Top Exhaust according to OÄM 42-173	2,001	76.5	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 M-NG**

Engine Manufacturer¹ **Austro Engine GmbH** Engine Type Designation¹ **E4**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C14444	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 1999kg. applicable for all configurations), Engine: E4-B (in accordance with AE MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	1,999	81.7	88.0	3
C14445	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 and OÄM 42-260 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg. applicable for all configurations), Engine: E4-B (in accordance with AE MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	2,001	81.7	88.0	3
C14446	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	applicable for all configurations, Engine: E4-B (in accordance with AE MSB E4-002),	1,900	81.7	88.0	3

¹ See Note 1.



			Muffler: Diamond Aircraft D64-7806-10-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173				
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Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 NG**

Engine Manufacturer¹ **Austro Engine GmbH** Engine Type Designation¹ **E4**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C11965	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 1999kg), Engine: E4-B (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	1,999	79.5	88.0	-
C11966	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 and OÄM 42-260 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg), Engine: E4-B (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	2,001	79.5	88.0	-
C8967	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	Engine: E4-B (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-10-00	1,900	78.0	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 NG**

Engine Manufacturer¹ **Austro Engine GmbH** Engine Type Designation¹ **E4**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C10711	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	MÄM 42-600 (Performance enhancement), Engine: E4-C (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-12-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	1,900	73.8	88.0	-
C10140	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	Engine: E4-B (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D65-7806-10-00_() On Top Exhaust according to OÄM 42-173	1,900	70.4	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries GmbH** Aircraft Type Designation¹ **DA 42 NG**
 (Commercial Designation **DA 42-VI)**

Engine Manufacturer¹ **Austro Engine GmbH** Engine Type Designation¹ **E4**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 6 / Amendment 10** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C11971	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	MÄM 42-678 and MÄM 42-600 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 1999kg. Performance enhancement), Engine: E4-C (according to DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-12-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	1,999	75.0	88.0	-
C11972	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	MÄM 42-678 and OÄM 42-260 and MÄM 42-600 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg. Performance enhancement), Engine: E4-C (according to DAI MSB E4-002), Muffler: Diamond Aircraft D64-7806-12-00_() or D65-7806-10-00_() Standard Exhaust or On Top Exhaust according to OÄM 42-173	2,001	75.0	88.0	-

¹ 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

Note: This table is for information purposes only. It links the applicable noise requirements in Volume I of ICAO Annex 16 to the corresponding Appendices to that Volume, which were listed as acceptable means of compliance in CS-36. With the adoption of Regulation (EU) 2018/1139 (i.e. from Amendment 12 to Volume I of ICAO Annex 16) these Appendices became part of the applicable noise requirements. Their reference was removed in Amendment 6 to CS-36 and this table will not be updated further.

TCDSN EASA.A.005 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. This aircraft can be registered in both normal and restricted categories: Restricted category aircraft are covered under EASA TCDS.A.513 (see record C9736).
3. applicable when OÄM 40-368 or MÄM 42-1188 are embodied or when AFM Supplement M00 rev 4 (or higher) and PPC Concept are used.



Change Record

Issue	Date	Changes
Issue 1		Initial Issue
Issue 2	28 September 2005	Page 3: Revise record A1182
Issue 3	23 January 2006	Page 3: Delete record A1182 Page 3: Add record C7 Page 3: Add record C10
Issue 4	01 February 2007	Page 3: Delete record C8 Page 4: Add record C5002 Page 4: Add record C5003
Issue 5	13 November 2007	Revised Page 4
Issue 6	14 December 2007	Page 5: Add record C5411
Issue 7	09 May 2008	Page 4: Add record C5599
Issue 8	30 January 2009	Page 5: Revise C5411
Issue 9	13 March 2009	Page 6: Add record C8967
Issue 10	09 June 2009	Page 6: Revise C8967 Page 7: Add record C9263
Issue 11	23 September 2010	Record C10140 and C10141 added; Record C8,C10, C5002, C5003, C5411 and C5599 revised.
Issue 12	03 May 2012	Record C10711 added
Issue 13	25 April 2014	Records C11965-C11968 and C11971-C11974 added
Issue 14	03 December 2014	TAE 125-02-114 engine added.
Issue 15	16 April 2015	MÄM 42-600 Performance Enhancement on DA 42 M-NG added; Model DA 62 added
Issue 16	04 November 2015	DA 62 increase of MTOW
Issue 17	30 March 2017	Record C13041 added
Issue 18	14 June 2019	Record C14068 added
Issue 19	25 March 2021	Records C14444, C14445 and C14446 added
Issue 20	13 April 2023	Model DA 62 removed. All DA 62 airplanes are now part of TCDSN EASA.IM.A.629.
Issue 21	21 November 2024	Records C10711, C11971 and C11972 revised.

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