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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.A.005**

**for**

**DA 42**

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

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

For models: DA 42  
DA 42 M  
DA 42 M-NG  
DA 42 NG  
DA 62



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Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 42**

Engine Manufacturer<sup>1</sup>      **Technify Motors GmbH**      Engine Type Designation<sup>1</sup>      **TAE 125-01**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **3 Edition / Amendment 7**      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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C10	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>none</b>	<b>1,785</b>	<b>76.8</b>	<b>88.0</b>	-
C8	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>none</b>	<b>1,700</b>	<b>75.2</b>	<b>88.0</b>	-

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

Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 42**

Engine Manufacturer<sup>1</sup>      **Technify Motors GmbH**      Engine Type Designation<sup>1</sup>      **TAE 125-02-114**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **6 Edition / Amendment 10**      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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C12132	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>OÄM 42-252 (Installation of TAE 125-02-114)</b>	<b>1,785</b>	<b>80.9</b>	<b>88.0</b>	-

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

Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 42**

Engine Manufacturer<sup>1</sup>      **Technify Motors GmbH**      Engine Type Designation<sup>1</sup>      **TAE 125-02-99**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **4 Edition / Amendment 8**      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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C5599	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>Silencer: Diamond Aircraft D60-7806-20-00 Additional Exhaust End Pipe according EASA.A.C.09310 (OÄM 42-130)</b>	<b>1,785</b>	<b>77.3</b>	<b>88.0</b>	-
C5003	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>none</b>	<b>1,785</b>	<b>79.1</b>	<b>88.0</b>	-
C5002	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>none</b>	<b>1,700</b>	<b>77.6</b>	<b>88.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 42 M**

Engine Manufacturer<sup>1</sup>      **Technify Motors GmbH**      Engine Type Designation<sup>1</sup>      **TAE 125-02-114**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **6 Edition / Amendment 10**      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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C12133	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>OÄM 42-252 (Installation of TAE 125-02-114)</b>	<b>1,785</b>	<b>80.9</b>	<b>88.0</b>	-

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

Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 42 M**

Engine Manufacturer<sup>1</sup>      **Technify Motors GmbH**      Engine Type Designation<sup>1</sup>      **TAE 125-02-99**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **4 Edition / Amendment 8**      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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C5411	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A-C-F/CF187-129</b>	<b>none</b>	<b>1,785</b>	<b>79.1</b>	<b>88.0</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>	<b>DA 42 M-NG</b>
Engine Manufacturer <sup>1</sup>	<b>Austro Engine GmbH</b>	Engine Type Designation <sup>1</sup>	<b>E4</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>6 Edition / Amendment 10</b>
		Chapter <sup>1</sup>	<b>10 (10.4a)</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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C12249	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF190-69</b>	<b>MÄM 42-600 and OÄM 42-260 (Performance Enhancement, MTOM 2001 kg), E4-C (in accordance with DAI MSB E4-002) , Silencer: Diamond Aircraft D65-7807-10-00 On Top Exhaust according to OÄM 42-173</b>	<b>2,001</b>	<b>76.5</b>	<b>88.0</b>	-
C11968	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF187-129</b>	<b>MÄM 42-678 and OÄM 42-260 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg. Without External Containers), E4-B (according DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-10-00_( ) or D65-7806-10-00_( ) Standard Exhaust or On Top Exhaust according to OÄM 42-173</b>	<b>2,001</b>	<b>79.5</b>	<b>88.0</b>	-

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



Type Certificate Holder<sup>1</sup> **Diamond Aircraft Industries GmbH** Aircraft Type Designation<sup>1</sup> **DA 42 M-NG**  
 Engine Manufacturer<sup>1</sup> **Austro Engine GmbH** Engine Type Designation<sup>1</sup> **E4**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **6 Edition / Amendment 10** 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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C11974	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 and OÄM 42-260 and OÄM 42-228 or OÄM 42-240 or OÄM 42-241 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg. With External Containers.), E4-B (according DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-10-00_( ) or D65-7806-10-00_( ) Standard Exhaust or On Top Exhaust according to OÄM 42-173	2,001	80.7	88.0	-
C12247	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	MÄM 42-600 (Performance Enhancement), E4-C (in accordance with DAI MSB E4-002) , Silencer: Diamond Aircraft D65-7807-10-00 On Top Exhaust according to OÄM 42-173	1,999	76.5	88.0	-
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), E4-B (according DAI MSB E4-002) , Silencer: 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	-
C11973	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	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.), E4-B (according DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-10-00_( ) or D65-7806-10-00_( ) Standard Exhaust or On Top Exhaust according to OÄM 42-173	1,999	80.7	88.0	-

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



Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 42 M-NG**

Engine Manufacturer<sup>1</sup>      **Austro Engine GmbH**      Engine Type Designation<sup>1</sup>      **E4**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **6 Edition / Amendment 10**      Chapter<sup>1</sup>      **10 (10.4a)**

EASA Record No.	Propeller Manufacturer <sub>1</sub>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C14068	<b>MT-Propeller</b>	<b>MTV-6-R-C-F/CF190-69</b>	<b>MÄM 42-600 (Performance Enhancement (including ÖÄM 42-326)), E4-C (in accordance with DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-12-00() Standard Exhaust</b>	<b>1,999</b>	<b>79.1</b>	<b>88.0</b>	-
C9263	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF187-129</b>	<b>E4-B (in accordance with DAI MSB E4-002), Silencer: Diamond Aircraft D64-7806-10-00</b>	<b>1,900</b>	<b>78.0</b>	<b>88.0</b>	<b>2</b>
C10141	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF187-129</b>	<b>E4-B (in accordance with DAI MSB E4-002), Silencer: Diamond Aircraft D65-7806-10-00_( ) On Top Exhaust according to OÄM 42-173</b>	<b>1,900</b>	<b>70.4</b>	<b>88.0</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>	<b>DA 42 NG</b>
Engine Manufacturer <sup>1</sup>	<b>Austro Engine GmbH</b>	Engine Type Designation <sup>1</sup>	<b>E4</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>5 Edition / Amendment 9</b>
		Chapter <sup>1</sup>	<b>10 (10.4a)</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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C11966	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF187-129</b>	<b>MÄM 42-678 and OÄM 42-260 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg), E4-B (according DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-10-00_( ) or D65-7806-10-00_( ) Standard Exhaust or On Top Exhaust according to OÄM 42-173</b>	<b>2,001</b>	<b>79.5</b>	<b>88.0</b>	-
C11972	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF190-69</b>	<b>MÄM 42-678 and OÄM 42-260 and MÄM 42-600 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 2001kg. Performance enhancement), E4-C (according DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-12-00 " _ " Standard Exhaust</b>	<b>2,001</b>	<b>75.0</b>	<b>88.0</b>	-
C11965	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF187-129</b>	<b>MÄM 42-678 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 1999kg), E4-B (according DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-10-00_( ) or D65-7806-10-00_( ) Standard Exhaust or On Top Exhaust according to OÄM 42-173</b>	<b>1,999</b>	<b>79.5</b>	<b>88.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 42 NG**

Engine Manufacturer<sup>1</sup>      **Austro Engine GmbH**      Engine Type Designation<sup>1</sup>      **E4**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **5 Edition / Amendment 9**      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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C11971	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	<b>MÄM 42-678 and MÄM 42-600 (Operation with MZFM 1835kg, MLM 1999kg, MTOM 1999kg. Performance enhancement), E4-C (according DAI MSB E4-002) , Silencer: Diamond Aircraft D64-7806-12-00 " _" Standard Exhaust</b>	<b>1,999</b>	<b>75.0</b>	<b>88.0</b>	-
C10711	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	<b>MÄM 42-600 (Performance enhancement), E4-C (in accordance with DAI MSB E4-002), Silencer: Diamond Aircraft D64-7806-12-00_( )</b>	<b>1,900</b>	<b>73.8</b>	<b>88.0</b>	-
C8967	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	<b>E4-B (in accordance with DAI MSB E4-002), Silencer: Diamond Aircraft D64-7806-10-00</b>	<b>1,900</b>	<b>78.0</b>	<b>88.0</b>	-
C10140	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	<b>E4-B (in accordance with DAI MSB E4-002), Silencer: Diamond Aircraft D65-7806-10-00_( ) On Top Exhaust according to OÄM 42-173</b>	<b>1,900</b>	<b>70.4</b>	<b>88.0</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>	<b>DA 62</b>
Engine Manufacturer <sup>1</sup>	<b>Austro Engine GmbH</b>	Engine Type Designation <sup>1</sup>	<b>E4P</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>6 Edition / Amendment 10</b>
		Chapter <sup>1</sup>	<b>10 (10.4a)</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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C12539	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF194-80</b>	<b>MÄM 62-001 (MTOM 2.300 kg), E4P-C (in accordance with AE MSB E4-002) , Silencer: Diamond Aircraft D67-7806-01-00() or D65-7806-10-00() Standard Exhaust or On-Top-Exhaust</b>	<b>2,300</b>	<b>77.5</b>	<b>88.0</b>	-
C12540	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF194-80</b>	<b>MÄM 62-001 and OÄM 62-005 (MTOM 2.300 kg and RACC), E4P-C (in accordance with AE MSB E4-002), Silencer: Diamond Aircraft D67-7806-01-00() or D65-7806-10-00() Standard Exhaust or On-Top-Exhaust</b>	<b>2,300</b>	<b>78.6</b>	<b>88.0</b>	-
C13041	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF194-80</b>	<b>MÄM 62-001 and OÄM 62-0018 (MTOM Reduction to 1.999 kg), E4P-C (in accordance with AE MSB E4-002) , Silencer: Diamond Aircraft D67-7806-01-00()</b>	<b>1,999</b>	<b>73.9</b>	<b>88.0</b>	-
C12252	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R-C-F/CF194-80</b>	<b>E4P-C (in accordance with AE MSB E4-002), Silencer: Diamond Aircraft D67-7806-01-00()</b>	<b>1,999</b>	<b>73.9</b>	<b>88.0</b>	-

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



**TCDSN EASA.A.005 Notes**

1. 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).

## 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

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