



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.513

for

DA 42 M

Type Certificate Holder:
Diamond Aircraft Industries GmbH
N.A. Otto-Str. 5
A-2700 Wiener Neustadt
AUSTRIA

For models: DA 42 M
DA 42 M-NG

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

Engine Manufacturer¹ **Technify Motors GmbH** Engine Type Designation¹ **TAE 125-02-114**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **6 Edition / Amendment 0** 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	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C12134	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	-
C12135	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	OÄM 42-252 and OÄM 42-106 or OÄM 42-107 or OÄM 42-108 or OÄM 42-208 (Installation of TAE 125-02-114 with external containers)	1,785	82.9	88.0	-

¹ See Note 1.

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

Engine Manufacturer¹ **Technify Motors GmbH** Engine Type Designation¹ **TAE 125-02-99**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / 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	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C5412	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	OÄM 42-106 (Belly Pod)	1,785	80.6	88.0	-
C5705	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	OÄM 42-107 (Universal nose)	1,785	79.3	88.0	-
C10146	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	OÄM 42-108 or OÄM 42-208 (Nose Pod)	1,785	79.6	88.0	-
C5413	MT-Propeller Entwicklung GmbH	MTV-6-A-C-F/CF187-129	none	1,785	79.1	88.0	2

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 **6 Edition / Amendment 0** 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	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C12250	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	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	2,001	76.5	88.0	-
C11970	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), 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	79.5	88.0	-
C11976	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 and OÄM 42-260 and OÄM 42-168 or OÄM 42-169 or OÄM 42-170 or OÄM 42-208 (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	-
C10989	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-221 (Overweight Operation (AFM Suppl. M100 installed)), 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	-
C12248	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	-
C11969	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	-
C11975	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	MÄM 42-678 and OÄM 42-168 or OÄM 42-169 or OÄM 42-170 or OÄM 42-208 (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	-
C13689	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF190-69	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	1,999	79.1	88.0	-
C10988	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-221 (Overweight Operation (AFM Suppl. M101 installed)), 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	1,995	80.7	88.0	-
C9732	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-168 (Belly Pod), E4-B (in accordance with DAI MSB E4-002), Silencer : Diamond Aircraft D64-7806-10-00	1,900	78.9	88.0	-

¹ See Note 1.

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Type Certificate Holder ¹	Diamond Aircraft Industries GmbH	Aircraft Type Designation ¹	DA 42 M-NG
Engine Manufacturer ¹	Austro Engine GmbH	Engine Type Designation ¹	E4
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	6 Edition / Amendment 0
		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	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C10143	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-168 (Belly Pod), E4-B (in accordance with DAI MSB E4-002) , Silencer : Diamond Aircraft D65-7806-10-00_() On Top Exhaust according to OÄM 42-173	1,900	71.0	88.0	-
C9733	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-169 (Universal Nose), E4-B (in accordance with DAI MSB E4-002) , Silencer : Diamond Aircraft D64-7806-10-00	1,900	79.0	88.0	-
C10144	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-169 (Universal Nose), E4-B (in accordance with DAI MSB E4-002) , Silencer : Diamond Aircraft D65-7806-10-00_() On Top Exhaust according to OÄM 42-173	1,900	71.3	88.0	-
C10145	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-170 or OÄM 42-208 (Nose Pod), E4-B (in accordance with DAI MSB E4-002) , Silencer : Diamond Aircraft D65-7806-10-00_() On Top Exhaust according to OÄM 42-173	1,900	71.2	88.0	-
C10148	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	OÄM 42-170 or OÄM 42-208 (Nose Pod), E4-B (in accordance with DAI MSB E4-002)	1,900	79.0	88.0	-
C9736	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	E4-B (in accordance with DAI MSB E4-002), Silencer : Diamond Aircraft D64-7806-10-00	1,900	78.0	88.0	2
C10142	MT-Propeller Entwicklung GmbH	MTV-6-R-C-F/CF187-129	E4-B (in accordance with DAI MSB E4-002), Silencer : Diamond Aircraft D65-7806-10-00_() On Top Exhaust according to OÄM 42-173	1,900	70.4	88.0	2

¹ Items so marked shall be included on EASA Form 45.



TCDSN EASA.A.513 Notes

1. Items so marked shall be included on EASA Form 45.
2. This aircraft can be registered in both normal and restricted categories. Normal category aircraft are covered under EASA TCDS.A.005



Change Record

Issue	Date	Changes
Issue 1	14 December 2007	Initial Issue
Issue 2	10 October 2008	Revised
Issue 3	30 January 2009	Revised
Issue 4	27 October 2009	Revised
Issue 5	23 September 2010	Records C10142-C10146 and C10148 added; Records C5412, C5413 and C5705 revised.
Issue 6	15 April 2013	Added OÄM 42-221
Issue 7	07 May 2013	Note revised
Issue 8	24 October 2013	Records C10988 and C10989 revised.
Issue 9	25 April 2014	Records C11969, C11970, C11975 and C11976 added.
Issue 10	03 December 2014	TAE 125-02-114 engine added.
Issue 11	22 June 2015	Records C12248 and C12250 added.
Issue 12	19 June 2018	Revised

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