



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.022

for

DA 40

Type Certificate Holder:

Diamond Aircraft Industries Inc.

1560 Crumlin Sideroad, London Ontario

N5V 1S2

CANADA

For models:

DA 40

DA 40 D

DA 40 F

DA 40 NG



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Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **DA 40**

Engine TC Holder **Lycoming Engines** Engine Type Designation¹ **IO-360-M1A**

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

EASA Record No.	Propeller TC Holder	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	
C13544	MT-Propeller Entwicklung GmbH	MTV-12-B/180-17()	Muffler: Diamond Aircraft D41-7800-00-00	1,150	69.3	85.2	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **DA 40**

Engine TC Holder **Lycoming Engines** Engine Type Designation¹ **IO-360-M1A**

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

EASA Record No.	Propeller TC Holder	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	
C13543	MT-Propeller Entwicklung GmbH	MTV-12-B/180-17()	MÄM 40-227 (MTOW Increase), Muffler: Diamond Aircraft D41-7800-00-00	1,200	78.4	81.5	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **DA 40 D**

Engine TC Holder **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 (10.4b)**

EASA Record No.	Propeller TC Holder	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	
C13545	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7806-00-00	1,150	78.7	80.9	-
C13546	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7807-00-00 () OÄM 40-096	1,150	69.5	80.9	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **DA 40 D**

Engine TC Holder **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 (10.4b)**

EASA Record No.	Propeller TC Holder	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	
C13547	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7807-10-00 () OÄM 40-096	1,150	73.0	80.9	-
C13548	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7807-10-00 () OÄM 40-096	980	73.0	78.4	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **DA 40 F**

Engine TC Holder **Lycoming Engines** Engine Type Designation¹ **O-360-A4M**

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

EASA Record No.	Propeller TC Holder	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	
C13549	Sensenich Propeller Manufacturing Company, Inc.	76EM8S10-0-63	Muffler: Diamond Aircraft A099005-130	1,150	74.8	80.9	-
C13550	MT-Propeller Entwicklung GmbH	MT 188 R 135-4G	Muffler: Aerospace Welding A099005-130	1,150	75.8	80.9	-

¹ See Note 1.



Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **DA 40 NG**

Engine TC Holder **Austro Engine GmbH** Engine Type Designation¹ **E4**

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

EASA Record No.	Propeller TC Holder	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	
C13554	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	OÄM 40-334 (Landing Gear with Large Tyres and 1280kg Maximum Landing Mass), Engine: E4-A (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D44-7806-10-00_()	1,280	75.3	82.5	-
C13555	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	OÄM 40-334 (Landing Gear with Large Tyres and 1280kg Maximum Landing Mass), Engine: E4-A (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,280	72.1	82.5	-
C13557	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	Engine: E4-A (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D44-7806-10-00_()	1,280	74.5	82.5	-
C13558	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	Engine: E4-A (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler	1,280	71.5	82.5	-

¹ See Note 1.



			iaw MAM 40-434 or OAM 40-310				
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Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **DA 40 NG**

Engine TC Holder **Austro Engine GmbH** Engine Type Designation¹ **E4**

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

EASA Record No.	Propeller TC Holder	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	
C13551	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	MÄM 40-662 (1310 kg MTOM), Engine: E4-A (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,310	71.4	82.9	-
C13552	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	MÄM 40-662 and OÄM 40-334 (1310 kg MTOM and Landing Gear with Large Tyres and 1280kg Maximum Landing Mass), Engine: E4-A (in accordance with DAI MSB E4-002), Muffler: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,310	72.4	82.9	-
C13553	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	MÄM 40-662 and OÄM 40-394 (1310 kg MTOM and RACC ON during T/O and Landing), Engine: E4-A (in accordance with AE MSB E4-002), Muffler: Diamond	1,310	71.8	82.9	-

¹ See Note 1.



			Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310				
C13556	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	OÄM 40-394 (RAAC ON during T/O and Landing), Engine: E4-A (in accordance with AE MSB E4-002), Muffler: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,280	71.6	82.5	-



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.IM.A.022 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

Issue	Date	Changes
Issue 1	15 November 2017	Initial Issue
Issue 2	26 March 2025	Update of noise limit/chapter (C13545, C13546, C13547, C13548, C13549) and correction of one noise level (C13543)

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