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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 Designation IO-360-M1A

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

EASA			Additional modifications essential to meet	Maximum	Take-O	ff dB(A)	See
Record No.	Propeller TC Holder	Propeller Type Designation ¹	the requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	Note
C13544	MT-Propeller Entwicklung GmbH	MTV-12-B/180-17()	Muffler: Diamond Aircraft D41-7800-00- 00	1,150 69.3 85.2		-	



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

Engine TC Holder Lycoming Engines Engine Type Designation 10-360-M1A

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

EACA			Additional modifications essential to meet	Maximum	Take-O	ff dB(A)	See
EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	the requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	Note
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	-



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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		Propeller Type Designation ¹	Additional modifications essential to meet	Maximum	Take-Off dB(A)		- See
Record No.	Propeller TC Holder		the requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	Note
C13545	MT-Propeller	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7806-00-	1,150	78.7	80.9	-
	Entwicklung GmbH	-	00				
C12546	MT-Propeller	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7807-00-	1,150	69.5	80.9	
C13546	Entwicklung GmbH	WII V-8-A/187-129	00 () OÄM 40-096	1,130	09.5	80.3	-



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

Engine TC Holder Continental Aerospace Technologies GmbH Engine Type Designation TAE 125-02-99

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

EASA				Maximum	Take-Off dB(A)		See
Record No.	Propeller TC Holder	Propeller Type Designation ¹	the requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	
C13547	MT-Propeller	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7807-10-	1,150	73.0	80.9	_
013347	Entwicklung GmbH	1111 0 74 107 123	00 () OÄM 40-096	1,130	75.0	55.5	
C13548	MT-Propeller	MTV-6-A/187-129	Muffler: Diamond Aircraft D4D-7807-10-	980	73.0	78.4 -	
C13546	Entwicklung GmbH	IVI I V-0-A/ 18/-129	00 () OÄM 40-096	960	73.0	70.4	



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

Engine TC Holder Lycoming Engines Engine Type Designation O-360-A4M

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

EASA			Additional modifications essential to meet Maximum		Take-O	ff dB(A)	See
Record No.	Propeller TC Holder	Propeller Type Designation ¹	the requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	Note
	Sensenich Propeller						
C13549	Manufacturing	76EM8S10-0-63	Muffler: Diamond Aircraft A099005-130	1,150	74.8	80.9	-
	Company, Inc.						
C13550	MT-Propeller	MT 188 R 135-4G	Muffler: Aerospace Welding A099005-130	1,150	75.8	80.9	
C13330	Entwicklung GmbH	WII 100 K 133-40	ividifier. Aerospace Welding A055005-150	1,130	/3.0	60.9	_



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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 5 / Amendment 9 Chapter¹ 10 (10.4b)

FACA			Additional modifications essential to meet	Maximum	Take-O	ff dB(A)	See	
EASA Record No.	Propeller TC Holder	Propeller Type Designation ¹	the requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	Note	
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	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.



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	·		
	iaw MÂM 40-434 or OÂM 40-310		
	10W 101AW 40 454 01 OAW 40 510		



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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			Additional modifications essential to meet	Maximum	Take-Off dB(A)		See
Record No.	Propeller TC Holder	Propeller Type Designation ¹	the requirements or needed to attain the certificated noise levels ¹	Take-Off Mass ¹ (kg)	Level ¹	Limit	Note
			certificated floise levels	iviass (kg)			
			MÄM 40-662 (1310 kg MTOM), Engine:				
			E4-A (in accordance with DAI MSB E4-				
C13551	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	002), Muffler: Diamond Aircraft D44-	1,310	71.4	82.9	_
			7806-20-00_() Exhaust System with	1,313	71.7	02.5	
			Muffler				
			iaw MÄM 40-434 or OÄM 40-310				
	MT-Propeller	MTV-6-R/190-69	MÄM 40-662 and OÄM 40-334 (1310 kg			82.9	
			MTOM and Landing Gear with Large Tyres	1,310			
			and 1280kg Maximum Landing Mass),		72.4		
C13552			Engine: E4-A (in accordance with DAI				_
C13332	Entwicklung GmbH	WIT 0 11, 130 03	MSB E4-002), Muffler: Diamond Aircraft		72.7	02.5	
			D44-7806-20-00_() Exhaust System with				
			Muffler				
			iaw MÄM 40-434 or OÄM 40-310				
			MÄM 40-662 and OÄM 40-394 (1310 kg				
C13553	MT-Propeller Entwicklung GmbH MTV-6-R/190-69	MTV-6-R/190-69	MTOM and RACC ON during T/O and	1,310	71.8	82.9	_
C13333		Landing), Engine: E4-A (in accordance	1,310	71.0	02.5	_	
		-	with AE MSB E4-002), Muffler: Diamond				

¹ See Note 1.



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			Aircraft D44-7806-20-00_() Exhaust				
			System with Muffler				
			iaw MÄM 40-434 or OÄM 40-310				
			OÄM 40-394 (RAAC ON during T/O and				
			Landing), Engine: E4-A (in accordance				
C12556	MT-Propeller	MTV-6-R/190-69	with AE MSB E4-002), Muffler: Diamond	1,280	71.6	02 E	
C13556	Entwicklung GmbH		Aircraft D44-7806-20-00_() Exhaust			82.5	_
			System with Muffler				
			iaw MÄM 40-434 or OÄM 40-310				



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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.



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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)

-END-