Issue: 1



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**



TCDSN EASA.IM.A.022 Page 2 of 11 Issue: 1 Date: 15 November 2017

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Issue: 1

Page 3 of 11 Date: 15 November 2017

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

Engine Manufacturer¹ Lycoming Engine Type Designation¹ IO-360-M1A

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

TACA Draneller		Dranellar Type	Additional modifications essential to meet the	Maximum	Take-of	ff dB(A)	Ç00
EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C13543	MT-Propeller Entwicklung GmbH	MTV-12-B/180-17()	MÄM 40-227, Silencer : Diamond Aircraft D41-7800- 00-00	1,200	78.7	81.5	-

¹ See Note 1.



Page 4 of 11 Date: 15 November 2017 Issue: 1

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

Engine Manufacturer¹ Lycoming Engine Type Designation¹ IO-360-M1A

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

EASA Propeller		Draneller Tune	Additional modifications essential to meet the	Maximum	Take-o	ff dB(A)	See
Record No.	Manufacturer ¹	' ''	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	Note
C13544	MT-Propeller Entwicklung GmbH	MTV-12-B/180-17()	Silencer : Diamond Aircraft D41-7800-00-00	1,150	69.3	85.2	-

¹ See Note 1.



Page 5 of 11 Issue: 1 Date: 15 November 2017

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

Engine Manufacturer¹ **Technify Motors GmbH** Engine Type Designation¹ **TAE 125-01**

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

ΓΛζΛ	Duanellan	Dranallar Tuna	Additional modifications essential to meet the	Maximum	Take-o	ff dB(A)	Coo
EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C13545	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7806-00-00	1,150	78.7	85.2	-
C13546	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7807-00-00 () OÄM 40-096	1,150	69.5	85.2	-

¹ See Note 1.



Page 6 of 11 Issue: 1 Date: 15 November 2017

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

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)

ΓΛζΛ	Duamallan	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum	Take-o	ff dB(A)	Soo
EASA Record No.	Propeller Manufacturer ¹			Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C13547	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7807-10-00 () OÄM 40-096	1,150	73.0	85.2	-
C13548	MT-Propeller Entwicklung GmbH	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7807-10-00 () OÄM 40-096	980	73.0	82.9	-

¹ See Note 1.



Page 7 of 11 Date: 15 November 2017 Issue: 1

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

Engine Manufacturer¹ Engine Type Designation¹ Lycoming O-360-A4M

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

FASA	Dranallar	Propeller Propeller Type Manufacturer ¹ Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum	Maximum Take-c		Soo
EASA Record No.	Manufacturer ¹			Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C13549	Sensenich	76EM8S10-0-63	Silencer : Diamond Aircraft A099005-130	1,150	74.8	85.2	-

¹ See Note 1.



Page 8 of 11 Issue: 1 Date: 15 November 2017

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

Engine Manufacturer¹ Engine Type Designation¹ Lycoming O-360-A4M

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

EASA Propeller		ller Prepeller Type	Additional modifications essential to meet the	Maximum	Take-o	ff dB(A)	See
Record No.	Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	Note
C13550	MT-Propeller Entwicklung GmbH	MT 188 R 135-4G	Silencer : Aerospace Welding A099005-130	1,150	75.8	80.9	-

¹ See Note 1.



Page 9 of 11 Issue: 1 Date: 15 November 2017

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

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

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

EASA Record No.	7.		Additional modifications essential to meet the requirements or needed to attain the certificated noise levels		Take-off dB(A)		See Note
necora ivo.			certificated floise levels	mass ¹ (kg)	Level 1	Limit	
C13551	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	MÄM 40-662 (1310 kg MTOM), E4-A (in accordance with DAI MSB E4-002), Silencer: 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), E4-A (in accordance with DAI MSB E4-002), Silencer: 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), E4-A (in accordance with AE MSB E4-002), Silencer: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,310	71.8	82.9	-
C13554	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	OÄM 40-334 (Landing Gear with Large Tyres and 1280kg Maximum Landing Mass), E4-A (in accordance with DAI MSB E4-002), Silencer: 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), E4-A (in accordance with DAI MSB E4-002), Silencer: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,280	72.1	82.5	-
C13556	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	OÄM 40-394 (RAAC ON during T/O and Landing), E4-A (in accordance with AE MSB E4-002), Silencer: Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,280	71.6	82.5	-
C13557	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	E4-A (in accordance with DAI MSB E4-002), Silencer: Diamond Aircraft D44-7806-10-00_()	1,280	74.5	82.5	-
C13558	MT-Propeller Entwicklung GmbH	MTV-6-R/190-69	E4-A (in accordance with DAI MSB E4-002), Silencer : Diamond Aircraft D44-7806-20-00_() Exhaust System with Muffler iaw MÄM 40-434 or OÄM 40-310	1,280	71.5	82.5	-

¹ See Note 1.



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TCDSN EASA.IM.A.022 Notes

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



TCDSN EASA.IM.A.022 Page 11 of 11 Issue: 1 Date: 15 November 2017

Change Record

Issue	Date	Changes
Issue 1	15 November 2017	Initial Issue

-END-