



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 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)**

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	
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.

Type Certificate Holder ¹	Diamond Aircraft Industries Inc.	Aircraft Type Designation ¹	DA 40
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	IO-360-M1A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	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	
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.



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

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)**

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	
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.

Type Certificate Holder¹ **Diamond Aircraft Industries Inc.** Aircraft Type Designation¹ **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)**

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	
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.

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

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-360-A4M**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** 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	
C13549	Sensenich	76EM8S10-0-63	Silencer : Diamond Aircraft A099005-130	1,150	74.8	85.2	-

¹ See Note 1.

Type Certificate Holder ¹	Diamond Aircraft Industries Inc.	Aircraft Type Designation ¹	DA 40 F
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-360-A4M
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	3 Edition / Amendment 7
		Chapter ¹	10 (10.4b)

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	
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.



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

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

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

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	
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.



TCDSN EASA.IM.A.022 Notes

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

Change Record

Issue	Date	Changes
Issue 1	15 November 2017	Initial Issue

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