



---

# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.A.022**

**for**

**DA 40**

**Type Certificate Holder:**

**Diamond Aircraft Industries GmbH**

N.A. Otto-Str. 5

A-2700 Wiener Neustadt

AUSTRIA

For models: DA 40  
DA 40 D  
DA 40 F  
DA 40 NG



INTENTIONALLY LEFT BLANK

Type Certificate Holder <sup>1</sup>	<b>Diamond Aircraft Industries GmbH</b>	Aircraft Type Designation <sup>1</sup>	<b>DA 40</b>
Engine Manufacturer <sup>1</sup>	<b>Lycoming</b>	Engine Type Designation <sup>1</sup>	<b>IO-360-M1A</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>3 Edition / Amendment 7</b>
		Chapter <sup>1</sup>	<b>10 (10.4b)</b>

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C5112	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-12-B/180-17()</b>	<b>MÄM 40-227, Silencer : Diamond Aircraft D41-7800-00-00</b>	<b>1,200</b>	<b>78.7</b>	<b>81.5</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 40**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **IO-360-M1A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4a)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C89	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-12-B/180-17()</b>	<b>Silencer : Diamond Aircraft D41-7800-00-00</b>	<b>1,150</b>	<b>69.3</b>	<b>85.2</b>	-

<sup>1</sup> See Note 1.

Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 40 D**

Engine Manufacturer<sup>1</sup>      **Technify Motors GmbH**      Engine Type Designation<sup>1</sup>      **TAE 125-01**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **3 Edition / Amendment 7**      Chapter<sup>1</sup>      **10**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C3677	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A/187-129</b>	<b>Silencer : Diamond Aircraft D4D-7806-00-00</b>	<b>1,150</b>	<b>78.7</b>	<b>85.2</b>	-
C3676	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A/187-129</b>	<b>Silencer : Diamond Aircraft D4D-7807-00-00 () OÄM 40-096</b>	<b>1,150</b>	<b>69.5</b>	<b>85.2</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 40 D**

Engine Manufacturer<sup>1</sup>      **Technify Motors GmbH**      Engine Type Designation<sup>1</sup>      **TAE 125-02-99**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **4 Edition / Amendment 8**      Chapter<sup>1</sup>      **10**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C3678	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A/187-129</b>	<b>Silencer : Diamond Aircraft D4D-7807-10-00 () OÄM 40-096</b>	<b>1,150</b>	<b>73.0</b>	<b>85.2</b>	-
C5521	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-A/187-129</b>	<b>Silencer : Diamond Aircraft D4D-7807-10-00 () OÄM 40-096</b>	<b>980</b>	<b>73.0</b>	<b>82.9</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 40 F**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **O-360-A4M**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **3 Edition / Amendment 7**      Chapter<sup>1</sup>      **10**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C10725	<b>Sensenich</b>	<b>76EM8S10-0-63</b>	<b>Silencer : Diamond Aircraft A099005-130</b>	<b>1,150</b>	<b>74.8</b>	<b>85.2</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 40 F**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **O-360-A4M**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **3 Edition / Amendment 7**      Chapter<sup>1</sup>      **10 (10.4b)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C5063	<b>MT-Propeller Entwicklung GmbH</b>	<b>MT 188 R 135-4G</b>	<b>Silencer : Aerospace Welding A099005-130</b>	<b>1,150</b>	<b>75.8</b>	<b>80.9</b>	-

<sup>1</sup> See Note 1.





Type Certificate Holder<sup>1</sup>      **Diamond Aircraft Industries GmbH**      Aircraft Type Designation<sup>1</sup>      **DA 40 NG**

Engine Manufacturer<sup>1</sup>      **Austro Engine GmbH**      Engine Type Designation<sup>1</sup>      **E4**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **6 Edition / Amendment 0**      Chapter<sup>1</sup>      **10 (10.4b)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C12122	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	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	<b>1,310</b>	<b>71.4</b>	<b>82.9</b>	-
C12123	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	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	<b>1,310</b>	<b>72.4</b>	<b>82.9</b>	-
C12619	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	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	<b>1,310</b>	<b>71.8</b>	<b>82.9</b>	-
C10356	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	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_()	<b>1,280</b>	<b>75.3</b>	<b>82.5</b>	-
C10357	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	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	<b>1,280</b>	<b>72.1</b>	<b>82.5</b>	-
C9912	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	E4-A (in accordance with DAI MSB E4-002), Silencer : Diamond Aircraft D44-7806-10-00_()	<b>1,280</b>	<b>74.5</b>	<b>82.5</b>	-
C10353	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	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	<b>1,280</b>	<b>71.5</b>	<b>82.5</b>	-
C12618	<b>MT-Propeller Entwicklung GmbH</b>	<b>MTV-6-R/190-69</b>	OÄM 40-394 (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	<b>1,280</b>	<b>71.6</b>	<b>82.5</b>	-

<sup>1</sup> See Note 1.



**TCDSN EASA.A.022 Notes**

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

### Change Record

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1		Initial Issue
Issue 2	30 April 2007	Added records C3676 - C3678
Issue 3	18 October 2007	Added record C5063
Issue 4	22 January 2008	First page revised
Issue 5	08 April 2010	Records C5112 and C5521 added
Issue 6	18 May 2010	Record C9912 added.
Issue 7	29 June 2010	Record C3676 revised.
Issue 8	27 July 2010	Records C5512 and C9912 revised.
Issue 9	23 September 2010	Record C9912 revised.
Issue 10	28 March 2011	Records C10353, C10356 and C10357 added
Issue 11	12 November 2014	Added Records C12122 and C12123.
Issue 12	26 January 2014	Records C12122 and C12123 amended
Issue 13	05 April 2016	Revised

-END-

