

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

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

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C5112	MT-Propeller	MTV-12-B/180-17()	MÄM 40-227, Silencer : Diamond Aircraft D41-7800-00-00	1.200	78,7	81,5

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **Diamond Aircraft Industries GmbH** Aircraft Type Designation* **DA 40**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **IO-360-M1A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10 (10.4a)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C89	MT-Propeller	MTV-12-B/180-17()	Silencer : Diamond Aircraft D41-7800-00-00	1.150	69,3	85,2

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **Diamond Aircraft Industries GmbH** Aircraft Type Designation* **DA 40 D**
 Engine Manufacturer* **Thielert AG** Engine Type Designation* **TAE 125-01**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter* **10**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C3677	MT-Propeller	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7806-00-00	1.150	78,7	85,2
C3676	MT-Propeller	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7807-00-00 OÄM 40-096	1.150	69,5	85,2

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **Diamond Aircraft Industries GmbH** Aircraft Type Designation* **DA 40 D**
 Engine Manufacturer* **Thielert AG** Engine Type Designation* **TAE 125-02-99**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter* **10**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C3678	MT-Propeller	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7807-10-00 OÄM 40-096	1.150	73,0	85,2
C5521	MT-Propeller	MTV-6-A/187-129	Silencer : Diamond Aircraft D4D-7807-10-00 OÄM 40-096	980	73,0	82,9

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **Diamond Aircraft Industries GmbH** Aircraft Type Designation* **DA 40 F**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **O-360-A4M**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter* **10**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C1727	Sensenich	76EM8S10-0-63	Silencer : Diamond Aircraft A099005-130	1.150	74,8	85,2

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

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

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C5063	MT-Propeller	MT 188 R 135-4G	Silencer : Aerospace Welding A099005-130	1.150	75,8	80,9

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **Diamond Aircraft Industries GmbH** Aircraft Type Designation* **DA 40 NG**
 Engine Manufacturer* **Austro Engine** Engine Type Designation* **E4**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **5 Edition / Amendment 9** Chapter* **10 (10.4b)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C9912	MT-Propeller	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
C10353	MT-Propeller	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
C10356	MT-Propeller	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
C10357	MT-Propeller	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

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Change Record

Issue	Date	Changes
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