
TYPE-CERTIFICATE DATA SHEET

UK.TC.A.00025

for
DA 40

Type Certificate Holder

Diamond Aircraft Industries Inc
1560 Crumlin Side Road
London, ON, N5V1S2
Canada

Model(s): DA 40
DA 40 D
DA 40 F
DA 40 NG

Issue: 1

Date of issue: 7th February 2022

EXPLANATORY NOTE

This Type-Certificate Data Sheet (TCDS) is the concise definition of the type-certificated product accepted and or approved by the CAA in the UK for the affected types and models.

This TCDS includes:

1. Details of the type design that affect the TCDS that have been approved or accepted by the CAA in the UK since 01 January 2021.
2. Attachment 1 is a copy of the EASA IM.A.022 at Issue 23 dated 15 November 2017 which was the current EASA version at 31 December 2020, and therefore the version of the TCDS for the Diamond Aircraft Industries Inc DA 40 can be accepted by the UK under the Withdrawal Act 2018.
3. This TCDS updates EASA IM.A.022 Issue 23 to UK.TC.A.00025 Issue1. Also included are the amendments, changes or additions to TCCA TCDS A-224 issues 9 and 10 dated 24th June 2020. These amendments had not been incorporated into EASA IM.A.022 at 31st December 2020.
4. Where there has been no change to Attachment 1 since 01 January 2021, this will be stated in this TCDS as 'no change'.



EASA.IM.A.022 Issue
23 Diamond Aircraft I

Attachment 1 EASA.IM.A Issue 23 Diamond DA 40 15th November 2017

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Section 1 DA 40

I. General

No change

II. Certification Basis

No change

III. Technical Characteristic and Operating Limitations

8. Fluids:

8.1 Fuel: Refer to AFM Chapter 2, Section 2.14

8.2 Oil: Refer to AFM Chapter 2, Section 2.4

13. Maximum Weights.

Landing:

Utility Category: 980 kg (2161 lb)

Normal Category: 1092 kg (2407 lb) or

1150 kg (2535 lb) See Note 10

16. Rudder limits with Long Range Fuel Tank (OÄM 40-071) or MÄM 40-113 (LargeRudder) installed:

Left 24°, ± 1°

Right 26°, ± 1°

IV. Operating and Service Instructions

No change.

V. Notes

1(a) Serial Numbers Eligible.

40.006 through 40.083 (except 40.010 and 40.080)

40.201 and subsequent (except 40.213).

1(c) The following serial numbers were produced by Diamond Aircraft Industries

GmbH while Diamond Aircraft Industries GmbH was the type certificate holder:

40.006 through 40.083 (except 40.010 and 40.080).

The following serial numbers were manufactured by Diamond Aircraft Industries Inc under license while Diamond Aircraft Industries GmbH was the type certificate holder:

40.201 through 40.1208 inclusive, excluding 40.213.

The following serial numbers are designated for aircraft manufactured by Diamond Aircraft Industries Inc as the type certificate holder: 40.1209 and subsequent.

Long range fuel tank applicable serial numbers:

As defined in OÄM 40-071, applicable for the following Serial Numbers.

DA 40 40.030 through 40.079, 40.081 through 40.083.

40.085 through 40.199, 40.201 through 40.842.

40.844, 40.846 and subsequent.

12. (Removed).

Section 2 DA 40D

I. General

5 Manufacturer: Change to SHANDONG BIN AO AIRCRAFT INDUSTRIES EASA.21G.0014 Status

SHANDONG BIN AO AIRCRAFT INDUSTRIES
CO.,LTD
DAGAO, ZHANHUA COUNTY, BINZHOU
PEOPLE'S REPUBLIC OF CHINA
former EASA.21G.0014

See Note 1

II. Certification Basis

No change.

III. Technical Characteristic and Operating Limitations

8.1 Fuel: Jet – Refer to AFM Chapter 2, Section 2.14 for approved fuel specifications
Diesel (EN 590) See Note 6

9.1 Long Range Fuel Tank (OÄM 40-130) see note 13

Total:	155.2 litres	41 US Gallons
Usable:	147.6 litres	39 US Gallons

13 Maximum Weights:
Landing: added

Utility Category:	980 kg (2161 lb)
Normal Category:	1092 kg (2407 lb) or 1150 kg (2535 lbs) see Note 8

14 Centre of gravity range.
Rear limit

for all masses	2.59 m behind Datum
with Long Range Fuel Tank (OÄM 40-130)	2.55 m behind Datum

16 Control surface deflections:

With Standard Fuel Tank:	Rudder: Left 29°, ± 1° Right 31°, ± 1°
	With Long Range Fuel Tank (OÄM 40-130) or Large Rudder (MÄM 40-113) installed: Left 24°, ± 1° Right 26°, ± 1°

IV. Operating and Service Instructions

No change.

V. Notes

1(a) Serial Numbers Eligible 40.080, 40.084 and D4.001 through D4.399 (except D4.013, D4.111, D4.198 through D4.201, D4.246, D4.362, D4.365, D4.379, D4.380, D4.383 through D4.388, D4.390, D4.391, D4.393 through D4.398 inclusive).
(Also refer to DA 40 NG data regarding conversion from DA 40 D to DA 40 NG.) 40.DS001 through 40.DS175 inclusive, excluding 40.DS173 (see also Note1(c)).

1(c) EASA POA EASA.21G.0014 has been revoked on 28-Oct-2019. For UK CAA Wanfeng Aircraft Industry Co Ltd POA approval status, contact UK CAA for clarification.

12 Reserved.

13 (Added) Long range tank, as defined in Optional Design Change OÄM 40-130, is applicable for the following serial numbers:40.080, 40.084, D4.001 and subsequent, 40.DS.001 and subsequent.

Section 3 DA 40F

I. General

No change.

II. Certification Basis

No change.

III. Technical Characteristic and Operating Limitations

8.1 Fuel: Refer AFM Chapter 2, Section 2.14 for approved fuel specifications.

8.2 Oil: Refer AFM Chapter 2, Section 2.4 for approved oil specifications.

9.1 Long Range Fuel Tank: (OÄM 40-071): See note 8

Total: 193 litres 51 US Gallons.

Usable: 189.2 litres 50 US Gallons.

13 Maximum Weights:

Landing:

(Added) Utility Category 980 kg (2161 lb).

(Added) Normal Category 1150 kg (2535 lbs).

16 Elevator: With Long Range Fuel Tank (OÄM 40-071):

up 23°, +0/-1°

down 16°, +1/-0°

IV. Operating and Service Instructions

No change.

V. Notes

1(c) The following serial numbers were produced by Diamond Aircraft Industries Inc. while Diamond Aircraft Industries GmbH was the type certificate holder:

40.FC001 through 40.FC029 inclusive.

(Added).The following serial numbers are designated for aircraft manufactured by Diamond Aircraft Industries Inc. as the type certificate holder:

40.FC030 and subsequent.

6 The DA40F is certified for intentional spin if OÄM 40-201 is installed. The following additional Limitations/Conditions apply:

- Centre of Gravity Range 2,45 – 2,50 m.
- Maximum fuel loading 2x38 litres (2x10gal).
- Canopy Jettison System OÄM 40-203 must be installed.
- Mt Propeller MT 188R135-4G must be installed.
- Elevator settings must be according to OÄM 40-201.
- Long range tank (OÄM 40-071) must not be installed.
- Wheel fairings must not be installed.
- Baggage is not allowed.

7 (removed).

8 (Added) Long range tank, as defined in Optional Design Change OÄM 40-071, is applicable for the following serial numbers: 40.FC001 and subsequent.

Section 4 DA40 NG

I. General

5. Manufacturer: Change to SHANDONG BIN AO AIRCRAFT INDUSTRIES EASA.21G.0014 Status.
SHANDONG BIN AO AIRCRAFT INDUSTRIES
CO.LTD
DAGAO, ZHANHUA COUNTY, BINZHOU
PEOPLE'S REPUBLIC OF CHINA
former EASA.21G.0014 See Note 1

II. Certification Basis

No change.

III. Technical Characteristic and Operating Limitations

- 8.1 Fuel: Jet – Refer to AFM Chapter 2, Section 2.14 for approved fuel specifications.
Diesel (EN590) See Note 10.
- 8.2 Oil: Engine: Shell Helix Ultra 5W30 Refer to AFM Chapter 2, Section 2.4 for other.
approved oil specifications.
Gearbox: Shell SPIRAX GSX or S6 GXME 75W-80.

IV. Operating and Service Instructions

No change.

V. Notes

- 1 (c) The following serial numbers were produced by Diamond Aircraft Industries GmbH while Diamond Aircraft Industries GmbH was the type certificate holder:
D4.111, D4.365, 40.N001 through 40.N346 inclusive (excluding 40.N183 through 40.N187, 40.N189 through 40.N211, 40.N213 through 40.N223, 40.N228 through 40.N234 and 40.N340 through 40.N344 inclusive).
- The following serial numbers were produced by Shandong Bin Ao Aircraft Industries Co. Ltd. Under license while Diamond Aircraft Industries GmbH was the type certificate holder:
40.NS001 and 40.NS002
- EASA POA EASA.21G.0014 has been revoked on 28-Oct-2019. For UK CAA Wanfeng Aircraft Industry Co Ltd POA approval status, contact UK CAA for clarification.
- The following serial numbers were produced by Diamond Aircraft Industries Inc. under license while Diamond Aircraft Industries GmbH was the type certificate holder:
40.NC001 and 40.NC007 inclusive.
- The following serial numbers are designated for aircraft manufactured by Diamond Aircraft Industries Inc. as the type certificate holder:
40.NC008 and subsequent.
- The following serial numbers are designated for aircraft manufactured by Diamond Aircraft Industries GmbH under license from Diamond Aircraft Industries Inc. as the type certificate holder:
40.N347 and subsequent.

- 6 (removed).

Section 5 Administration

I. Acronym / Abbreviation Definition

TCCA	Transport Canada Civil Aviation
TC	Type Certificate
TCDS	Type Certificate Data Sheet
TCH	Type Certificate Holder
EASA	European Union Aviation Safety Agency

II. Type Certificate Holder Record

TCH Record	Period
Diamond Aircraft Industries Inc 1560 Crumlin Side Road London, ON, N5V1S2 Canada	Present. No changes.

III. Amendment Record

TCDS Issue No.	TCDS Issue Date	Changes	TC Issue and Date
1	07 Feb 2022	Initial. This TCDS supersedes EASA IM.A.022 Issue 23. All technical data taken from TCCA TCDS A-224 issues 9 and 10 (Note: Aircraft produced by Wanfeng Aircraft Industry Co. Ltd not approved for registration in EASA Member States. For UK registration applications of Wanfeng Aircraft Industry Co Ltd aircraft, contact UK Civil Aviation Authority for clarification)	Issue 1 07 Feb 2022

– END –