



European Aviation Safety Agency

EASA TYPE-CERTIFICATE DATA SHEET

EASA.A.541 Hoffmann H 40

Type Certificate Holder

Dipl.-Ing. Wolf Dietrich Hoffmann
von-Freyberg-Str. 1
89356 Haldenwang
Germany

For model(s): H 40

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SECTION A: H 40

A.I. General

1. a) Type: Hoffmann H 40
b) Model: H 40
2. Airworthiness Category: Normal
3. Type Certificate Holder: Dipl.-Ing. Wolf Dietrich Hoffmann
von-Freyberg-Str. 1
89356 Haldenwang / Germany
4. Contracted DOA Holder: TBD
5. Manufacturer: See Note 1
6. (Reserved)
7. Type Certification in Federal Republic of Germany by Luftfahrt-Bundesamt: 25.11.1992

This EASA TCDS is based on the LBA TCDS No. 1083/SA for Hoffmann H 40 (at Issue 1, dated 25 November 1992).

A.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements: 09.10.1989
2. Airworthiness Requirements: FAR Part 23, Amdt. 23-36
3. Special Conditions: Refer to LBA letter, dated 27.10.1989
- LBA-Richtlinie Nr. 2.39 (Issue 01.06.1984)
- LBA Special Condition 1 (Issue 27.10.1989)
4. Exemptions: None

5. Deviations: None
6. Equivalent Safety Findings: None
7. Requirements elected to comply: None
8. Environmental Standards: ICAO Annex 16, Volume I (refer see TCDSN A.541)
9. (Reserved)
10. (Reserved)

A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Master Document List 1083 N.0.0.1

2. Description: Single engine, low wing with split flaps, glass / carbon fibre composite construction, T-tail, 2-seat side by side, dual controls, fixed three cycle landing gear with nose wheel

3. Equipment: The minimum equipment as required by the airworthiness regulations is described in Doc-No. 1083 N.0.0.1

4. Dimensions:
 - Wing span: 10,76 m
 - Wing area: 13,62 m²
 - Fuselage length: 7,32 m

5. Engine:
 - 5.1.1 Model: Lycoming O-235-P2A
 - 5.1.2 Type Certificate: FAA E-223
 - 5.1.3 Limitations:
 - Max. RPM 2800
 - Max. cont. RPM 2550

6. Load factors: +3,8 / -1,52

7. Propeller:
 - 7.1 Model: MTV-6-F/160-03
 - 7.2 Type Certificate: EASA.P.094
 - 7.3 Number of blades: 3
 - 7.4 Diameter: 1600 mm, +0,0 mm/ - 10 mm
 - 7.5 Sense of Rotation: CW

8. Fluids:
 - 8.1 Fuel: AVGAS 100LL
 - 8.2 Oil: MIL-L-6082
 - 8.3 Coolant: Not applicable

9. Fluid capacities:
 - 9.1 Fuel: 2 wing tanks, 48 ltr ea.,
in total 95,8 ltr usable fuel,
 - 9.2 Oil: Max 5,7 ltr (6 qts) / Min 1,9 ltr
 - 9.3 Coolant system capacity: Not applicable

10. Air Speeds: V_{NE} 258 km/h
 V_A 174 km/h
 V_{NO} 207 km/h
 V_{FE} 156 km/h (Flap setting 60°)
11. Maximum Operating Altitude: 4000 m
12. Allweather Operations Capability: VFR Day only
FIKI prohibited.
13. Maximum Weights: MTOM: 850 kg
Max Landing Mass: 850 kg
14. Centre of Gravity Range: Most FWD C.G.: 200 mm aft of datum
Most REAR C.G.: 245 mm aft of datum
15. Datum: Reference Datum: Wing Leading Edge
0,6 m OBD of Center Line
16. Control surface deflections: Aileron: up $22,0^\circ \pm 3,0^\circ$
down $12,6^\circ \pm 1,5$
Elevator : up $18,0^\circ \pm 2,0^\circ$
down $17,0^\circ \pm 2,0$
Rudder: $\pm 27,0 \pm 3,0^\circ$
Flaps: $60^\circ \pm 5,0$
17. (Reserved)
18. Minimum Flight Crew: 1
19. Maximum Passenger Seating Capacity: 1
20. Baggage/Cargo Compartments: Max load: 20 kg behind the seats
21. Wheels and Tyres: MLG: 380x150 / 15x6.00-5 6PR
NLG: 5.00-5 6PR
22. (Reserved):

A.IV. Operating and Service Instructions

1. Flight Manual: Flughandbuch Hoffmann H 40, LBA approved 30.09.1992
2. Maintenance Manual: Wartungshandbuch H 40

A.V. Operational Suitability Data

Master Minimum Equipment List (MMEL): TBD

A.VI. Notes:

1. Only two prototypes with S/Ns 40-001 and 40-002 have been manufactured by Wolf Hoffmann Flugzeugbau KG, Am Sportflugplatz, Günzburg / Germany. These 2 serial numbers are not eligible for an EASA Certificate of Airworthiness.
2. Limitations:
Colour : All outer surfaces have to be painted white.

ADMINISTRATIVE SECTION

I. Acronyms

FAA	Federal Aviation Administration
LBA	Luftfahrt-Bundesamt
N/A	Not applicable
S/N	Serial Number
TBD	To be defined (at a later stage)
TCDS	Type Certificate Data Sheet

II. Type Certificate Holder Record

Wolf Hoffmann Flugzeugbau KG
Am Sportflugplatz
8870 Günzburg

Aerostruktur Faserverbundtechnik GmbH
Industriestr. 25 b
89423 Gundelfingen

Dipl.-Ing. Wolf Dietrich Hoffmann
von-Freyberg-Str. 1
89356 Haldenwang

III. Change Record

Issue	Date	Changes
1	14 March 2016	Transfer from LBA Kennblatt Nr. 1083/SA to TCDS EASA.A.541