



TYPE-CERTIFICATE DATA SHEET

No. P.112

for Propeller
KS-118-3

Type Certificate Holder
TECHNOFLUG
Leichtflugzeugbau GmbH & Co.KG
Bahnhofstraße 20/1
78669 Wellendingen
Germany

For Models: KS-118-3-S
KS-118-3-S-2



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I. General

1. Type/ Model

KS-118-3 / KS-118-3-S
KS-118-3-S-2

2. Type Certificate Holder

TECHNOFLUG Leichtflugzeugbau GmbH & Co. KG
Bahnhofstraße 20/1
78669 Wellendingen
Germany

3. Manufacturer

TECHNOFLUG Leichtflugzeugbau GmbH
Industriestraße 6
7230 Schramberg
Germany

TECHNOFLUG Leichtflugzeugbau GmbH
Dr.-Kurt-Steim-Str. 6
78713 Schramberg
Germany

since January 2019:
TECHNOFLUG Leichtflugzeugbau GmbH & Co. KG
Bahnhofstraße 20/1
78669 Wellendingen
Germany

4. Date of Application

18 August 1987 for KS-118-3-S /
31 Mai 1991 for KS-118-3-S-2

Note: Applications were made to LBA before EASA has been established.

5. EASA Type Certification Date

30 November 1987 for KS-118-3-S /
08 July 1991 for KS-118-3-S-2

Note: KS-118-3-S and KS-118-3-S-2 had been certified by LBA Germany (TC/TCDS 32.110/14).
This TCDS replaces LBA TCDS No 32.110/14.
Transfer date to EASA Type Certificate: 18 January 2022



II. Certification Basis

1. State of Design Authority Certification Basis

N/A

2. Reference Date for determining the applicable airworthiness requirements

18 August 1987 for KS-118-3-S /
31 Mai 1991 for KS-118-3-S-2

3. EASA Certification Basis

3.1. Airworthiness Standards

JAR-22, Subpart J (Change 4 of the original English version)

3.2. Special Conditions

None

3.3. Equivalent Safety Findings

None

3.4. Deviations

None

III. Technical Characteristics

1. Type Design Definition

KS-118-3-S: Master Drawings propellers of 1987(*)
KS-118-3-S-2: Master Drawings propellers of 1991(*)
(*) = or later approved revisions



2. Description

Three-blade folding propeller, aluminium alloy hub, fibre-reinforced plastic blades with polyurethane edge protection

3. Equipment

N/A

4. Dimensions

Diameter

KS-118-3-S: 114-118 cm

KS-118-3-S-2: 122 cm

5. Weight

1,9 kg

6. Hub/Blade-Combinations

N/A

7. Control System

N/A

8. Adaptation to Engine

for Solo 2350 B and Solo 2350 BS engine flange

9. Direction of Rotation

counter-clockwise (pusher propeller)



IV. Operating Limitations

| KS-118-3-... | Maximum Take-Off Power and Speed | | Maximum Continuous Power and Speed | |
|--------------|----------------------------------|---------|------------------------------------|---------|
| | [kW] | [1/min] | [kW] | [1/min] |
| S | 17 | 3.000 | 17 | 3.000 |
| S-2 | 17 | 2.650 | 17 | 2.650 |

V. Operating and Service Instructions

Operation and installation manual for propellers KS-118-3 and KS 118-3-2, version 01.02.1991, LBA approved, or later approved revision.

VI. Notes

1. Propeller designation system

KS 118 3 S 2
(1) (2) (3) (4) (5)

(1) Manufacturer TECHNOFLUG Leichtflugzeugbau GmbH & Co. KG

(2) Propeller diameter (cm)

(3) Number of blades

(4) Type of flange

S = flange for engine Solo 2350()

(5) Blade marking (from model KS-118-3-S-2)



SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations

N/A

II. Type Certificate Holder Record

TECHNOFLUG Leichtflugzeugbau GmbH
Industriestraße 6
7230 Schramberg
Germany

TECHNOFLUG Leichtflugzeugbau GmbH
Dr.-Kurt-Steim-Str. 6
78713 Schramberg
Germany

TECHNOFLUG Leichtflugzeugbau GmbH & Co. KG since January 2019
Bahnhofstraße 20/1
78669 Wellendingen
Germany

III. Change Record

| Issue | Date | Changes | TC Issue No.& Date |
|--------------|-----------------|--|-----------------------------------|
| Issue 01 | 18 January 2022 | Initial Issue due to change in TC holder address | Initial Issue, 18 January 2022 |

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