



TYPE-CERTIFICATE DATA SHEET

No. P.116

for Propeller

KS-F2

Type Certificate Holder

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

For Models: KS-F2
KS-F2-1



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I. General

1. Type / Model

KS-F2, KS-F2-1

2. Type Certificate Holder

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

AP DOA: EASA.AP182

3. Manufacturer

TECHNOFLUG Leichtflugzeugbau GmbH & Co. KG

4. Date of Application

07th June 1995

Note: Application was made to EASA Member States before EASA was established. Refer to Commission Regulation (EU) No 748/2012. These propeller models are EASA certified based on member states approvals prior to EASA existence.

5. EASA Type Certification Date

20th February 1997

Note: The KS-F2 series had been certified by LBA Germany. (TC/TCDS No 32.110/19).
This TCDS replaces LBA TCDS No 32.110/19.
Transfer date to EASA Type Certificate: 12 June 2023



II. Certification Basis

1. State of Design Authority Certification Basis

n.a.

2. Reference Date for determining the applicable airworthiness requirements

7th June 1995

3. EASA Certification Basis

3.1. Airworthiness Standards

JAR-22 Change 5 from 28 October 1995, Subpart J

3.2. Special Conditions

None

3.3. Equivalent Safety Findings

None

3.4. Deviations

None



III. Technical Characteristics

1. Type Design Definition

The KS-F2 and KS-F2-1 propeller models are defined by a main assembly drawing and associated parts list "KS-F-1000" in the latest approved revision.

2. Description

The KS-F2 and KS-F2-1 are folding two-blade propellers connected to a hub with integrated v-belt reduction gear. The blades have a fibre-reinforced plastic composite structure.

3. Equipment

n.a.

4. Dimensions

Propeller diameter from 120 cm to 160 cm.

5. Weight

Propeller weight: ca. 5,4 kg

6. Hub/Blade-Combinations

n.a.

7. Control System

n.a.

8. Adaptation to Engine

n.a.

9. Direction of Rotation

Direction of rotation (viewed in flight direction) as identified by a letter code in the propeller designation (see VI.2).



IV. Operating Limitations

KS-F2-...	Maximum Take-Off Power and Speed		Maximum Continuous Power and Speed	
	[kW]	[1/min]	[kW]	[1/min]
	30	2240	30	2240

V. Operating and Service Instructions

Manuals	German	English
Operator and maintenance Manual	Betriebs- und Wartungshandbuch Nr. P4*	Operation and Maintenance Manual P4*

Instructions for Continued Airworthiness (ICA)	German	English
Operator and maintenance Manual	Betriebs- und Wartungshandbuch Nr. P4*	Operation and Maintenance Manual P4*

(*): latest approved revision



VI. Notes

1. The suitability of the propeller for usage in a specific powered sailplane/engine-combination has to be demonstrated in the type certification of the aircraft.
2. The maximum permitted lifetime of the propeller according to Operation and Maintenance Manual P4
3. Propeller designation system

KS – F 2 – 1 () / (158) – ()
(1) (2) (3) (4) (5) (6) (7)

(1) Manufacturer TECHNOFLUG

(2) F = Folding propeller

(3) Nr. of the propeller type

(4) Nr. of the model of the propeller type

(5) Data of the hub version which does not affect the certification of the propeller

(6) Propeller diameter in „cm“ (according to the propeller certification)

(7) Data of the blade version which does not affect the certification of the propeller



SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations

n.a.

II. Type Certificate Holder Record

Since December 2018:

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

Until December 2018:

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

III. Change Record

Issue	Date	Changes	TC Issue No.& Date
Issue 01	12 June 2023	Initial Issue due to change in TC holder address	Initial Issue, 12 June 2023

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