



TYPE-CERTIFICATE DATA SHEET

No. P.115

for Propeller
KS Series Propeller

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

For Models:
KS 1 C
KS 1 G



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I. General

1. Type / Model

KS / KS 1 C and KS 1 G

2. Type Certificate Holder

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

3. Manufacturer

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

4. Date of Application

30 June 1992

Note: Application was made to LBA before EASA has been established.

5. EASA Type Certification Date

01 September 1992

Note: KS 1 C and KS 1 G had been certified by LBA Germany (TC/TCDS 32.110/18).
This TCDS replaces LBA TCDS No 32.110/18.
Transfer date to EASA Type Certificate: 15 September 2021



II. Certification Basis

1. State of Design Authority Certification Basis

n/a

2. Reference Date for determining the applicable airworthiness requirements

30 June 1992

3. EASA Certification Basis

3.1. Airworthiness Standards

JAR-22 Part J, mit Amendments 22/84/1, 22/84/2 und 22/86/1

3.2. Special Conditions

None

3.3. Equivalent Safety Findings

None

3.4. Deviations

None

III. Technical Characteristics

1. Type Design Definition

Master Drawings propellers KS 1 C and KS 1 G of 1992(*)
(*) = or later approved revisions

2. Description

two-blade propeller, produced as composite parts with a foam core and glass fibre shell with uni-directional spar caps from glass fiber (KS 1 G) or carbon fibre (KS 1 C).



3. Equipment

N/A

4. Dimensions

Diameter

1 C: 120-158 cm

1 G: 120-160 cm

1G()-W): 65-79 cm

5. Weight

1C: 1,5-2,3 kg

1 G: 1,5-2,5 kg

1G()-W): 0,7-1,0 kg

6. Hub/Blade-Combinations

N/A (single piece propeller)

7. Control System

N/A (fixed pitch propeller)

8. Adaptation to Engine

Hub flanges as identified by a letter in the propeller designation (refer to Note VI.7).

9. Direction of Rotation

Direction of rotation (viewed in flight direction) as identified by a letter-code in the propeller designation (refer to Note VI.5)



IV. Operating Limitations

KS -...	Maximum Take-Off Power and Speed		Maximum Continuous Power and Speed	
	[kW]	[1/min]	[kW]	[1/min]
1 C	37	2500	37	2500
1 G	47	2400	47	2400
1G()-W)	19,6	6000	19,6	6000

V. Operating and Service Instructions

Operating and Service Instruction No. 3, latest approved revision

VI. Notes

1. Propeller designation system

KS 1 C 158 R 108 () ()
(1) (2) (3) (4) (5) (6) (7) (8)

(1) Manufacturer TECHNOFLUG Leichtflugzeugbau GmbH & Co. KG

(2) Load group

1 = max. engine power 60 kW

(3) Spar cap material

C = Carbon fibre, G = glass fibre

(4) Propeller diameter (cm)

(5) Direction of rotation

R = clockwise, L = counterclockwise

(6) Pitch in 0,75 R in cm, measured at the tangent of the airfoil pressure side

(7) Type of propeller hub flange

without letter = standard hub, L= hub centric bore, W= hub with cross bore

(8) Further data about small changes, not affecting the airworthiness. Combination of several letters and numbers is possible.



SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations

N/A

II. Type Certificate Holder Record

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

until December 2018

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

III. Change Records

Issue	Date	Changes	TC Issue No.& Date
Issue 01	15 September 2021	Initial Issue due to change in TC holder address	Initial Issue, 15 September 2021
Issue 02	17 September 2021	Editorial corrections	

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