



TYPE CERTIFICATE DATA SHEET Nº EH-2021T05

Type Certificate Holder:

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

EH-2021T05-00

Sheet 01

TECHNOFLUG

KS 1 C

KS 1 G

22 October 2021

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. 2021T05 meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Brazilian Aeronautical Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other instructions.

TYPE	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).
ENGINE SHAFT	Hub flanges as identified by a letter in the propeller designation (refer to Item 7 of Propeller designation).
HUB MATERIAL	Glass fiber (KS 1 G) Carbon fibre (KS 1 C).
BLADE MATERIAL	Glass fiber (KS 1 G) Carbon fibre (KS 1 C).
NUMBER OF BLADES	2

HUB ELIGIBLE

KS 1 C, KS 1 G
 Diameter
 1 C: 120-158 cm
 1 G: 120-160 cm
 (1G()-W): 65-79 cm

Weight
 1C: 1,5-2,3 kg
 1 G: 1,5-2,5 kg
 (1G()-W): 0,7-1,0 kg

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

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.

DIRECTION OF ROTATION

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

OPERATING AND SERVICE INSTRUCTIONS

Operating and Service Instruction No. 3, latest approved revision

CERTIFICATION BASIS

Brazilian Type Certificate No.2021T05 is based on the is RBAC §21.29 and RBAC 35, which correspond to 14 CFR Part 35, Amendments 35-1 through 35-8, effective December 23, 2008. For the KS 1 C and KS 1 G the compliance was verified through equivalency finding to JAA JAR-22 Part J, with Amendments 22/84/1, 22/84/2 and 22/86/1

TYPE CERTIFICATION	<u>Model</u>	<u>Application</u>	<u>Issued TC</u>
	KS 1 C	09/07/2021	22/10/2021
	KS 1 G	09/07/2021	22/10/2021

PRODUCTION BASIS N/A

IMPORT REQUIREMENTS Each propeller imported separately, and/or spare parts must be accompanied by an EASA Export Airworthiness Approval through the EASA Form 1, Authorized Release Certificate, certifying that the propeller conforms to a type design approved by the ANAC, as specified in the ANAC's type certificate data sheet No. 2021T05-00, is in condition for safe operation and has undergone a final operational check. The original Authorized Released Certificate should be sent with the propeller and a copy remains with the issuing organization. For each propeller it is required a list of exceptions (if any) in respect to the ANAC approved Type Design, listed in the EASA Authorized Release Certificate above mentioned

NOTES:

CHANGE RECORD

Revision	Application Date	Changes	TC issue/reissue
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This TCDS is available at ANAC website:

<https://sistemas.anac.gov.br/certificacao/Produtos/EspecificacaoOrgE.asp>

SEI: 6370970
