



TYPE CERTIFICATE DATA SHEET Nº EH-2014T01

Type Certificate Holder:

MCCAULEY PROPELLER SYSTEMS

5800 East Pawnee

Wichita, Kansas 67218

USA

EH-2014T01-00

Sheet 01

McCauley

B3DF36C526

B3DF36C527

07 January 2014

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No.2014T01, 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	Constant speed, hydraulic (See Note 3)
ENGINE SHAFT	Special flange 4.00 inch B.C.
HUB MATERIAL	Aluminum Alloy
BLADE MATERIAL	Aluminum Alloy
NUMBER OF BLADES	3 (three)

HUB ELIGIBLE B3DF36C526 AND B3DF36C527

Hub Models	Blade Eligible	Maximum Continuous		Take Off		Diameter Limits (See Note 2) m (in)	Approx. Max. Wt. Complete	
		hp	rpm	hp	rpm		kg	(lb)
B3DF36C526	80HJ[X]-0 TO 80HJ[X]-8	350	2 575	350	2 575	2.03 to 1.83 (80 to 72) -0 to -8	43.54	(96.0)
B3DF36C527	L80HJ[X]-0 TO L80HJ[X]-8	350	2 575	350	2 575	2.03 to 1.83 (80 to 72) -0 to -8	43.54	(96.0)

CERTIFICATION BASIS

For model B3DF36C526 and B3DF36C527:
Brazilian Requirements for Civil Aviation - RBHA 35, which endorses the 14 CFR Part 35 effective February 1, 1965, including amendments 35-1 through 35-6.

TYPE CERTIFICATION

<u>Model</u>	<u>Application</u>	<u>Issued TC</u>
B3DF36C526	13/09/2013	07/01/2014
B3DF36C527	13/09/2013	07/01/2014

PRODUCTION BASIS

Not applicable

IMPORT REQUIREMENTS

Each propeller imported separately and/or spare parts must be accompanied by an Airworthiness Certificate for Export and/or an Airworthiness Approval Tag, respectively, issued by the Primary Authority, attesting that the particular propeller and/or parts were submitted to the governmental quality control before delivery and are in conformity with the ANAC approved type design.

NOTES

NOTE 1 HUB MODEL DESIGNATION: [B] 3 D F 36 C 526 -A , where
[1] [2] [3] [4] [5] [6] [7] [8]

- [1] Indicates dowel location with respect to centerline through the blade sockets, viewing hub from mounting face.
B indicates centerbore pattern for use with specific Lycoming engine flange "D" above.
- [2] 3: Denotes Number of blades
- [3] D denotes special flange 4.75" B.C.
- [4] F Type of propeller, F feathering model
- [5] McCauley blade shank size
- [6] C: Type of propeller -C, constant speed model
- [7] Numeral defining specific design and major change affecting eligibility or interchangeability
- [8] Minor change not affecting interchangeability or eligibility

NOTE 2 BLADE MODEL DESIGNATION: [X] -[X] 80 H[X] -0 , where

- | | | | | | |
|-----|--|-----|-----|-----|-----|
| | [1] | [2] | [3] | [4] | [5] |
| [1] | Minor Change not affecting interchangeability or eligibility | | | | |
| [2] | Denotes type of blade | | | | |
| | Blank denotes right hand tractor blade | | | | |
| | "L" indicates left hand tractor blade | | | | |
| [3] | Basic design diameter in inches | | | | |
| [4] | Characteristics of blade design (planform, etc.) | | | | |
| | Suffix [X] indicates blade butt stacking dimensions for actuating pin attachment. | | | | |
| [5] | Reduction in inches from basic diameter. (As -4, diameter reduced 4 inches to 76 inches) | | | | |

NOTE 3 PITCH CONTROL

With the following governors:

McCaugley Model DCF290D[X]/T[X]	Weight 3.0 pounds
McCaugley Model DCFU290D[X]/T[X]	Weight 3.0 pounds
McCaugley Model DCFS290D[X]/T[X]	Weight 3.0 pounds
McCaugley Model DCFUS290D[X]/T[X]	Weight 3.0 pounds
Hartzell Model E-[X]-[X]	Weight 4.5 pounds
Hartzell Model E-[X]-[X]L	Weight 4.5 pounds
Hartzell Model U-[X]-[X]	Weight 4.5 pounds
Hartzell Model U-[X]-[X]L	Weight 4.5 pounds
Woodward Model [X]2106[X][X]	Weight 3.5 pounds

NOTE 4 FEATHERING

With full feathering control installed in accordance with the propeller manufacturer's instructions. Controls may include unfeathering synchronizing or synchrophasing features.

NOTE 5 Not Applicable

NOTE 6 Not Applicable

NOTE 7 ACCESSORIES

Anti-Icing / Deicing:

Model B3DF36C526/80HJ[X] per McCaugley assembly drawing E-7527

Model B3DF36C527/L80HJ[X] per McCaugley assembly drawing E-7528

Spinners

Model B3DF36C526/80HJ[X] per McCaugley assembly drawing E-7527

Model B3DF36C527/L80HJ[X] per McCaugley assembly drawing E-7528

NOTE 8 Not Applicable.

NOTE 9 Not Applicable.

NOTE 10 SPECIAL NOTE. Aircraft installation must be approved as part of the aircraft type certificate upon compliance with the applicable aircraft airworthiness requirements.



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