



**AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL**

**TYPE CERTIFICATE DATA SHEET Nº EH-2008T07**

Type Certificate Holder:

**MCCAULEY PROPELLER SYSTEMS**

7751 East Pawnee  
Wichita, KS 67207  
**USA**

EH-2008T07-00

Sheet 01

MCCAULEY

5HFR34C(11--)

5JFR36C(10--)

B5JFR36C(11--)

C5JFR36C(11--)

5HFR34C(10--)

September 2008

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. 2008T07, 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.

<b>TYPE</b>	Constant speed, full feathering and reversing; hydraulic (see NOTE 4)
<b>ENGINE SHAFT</b>	Special flange, (see NOTE 1)
<b>HUB MATERIAL</b>	Aluminum alloy
<b>BLADE MATERIAL</b>	Aluminum alloy
<b>NUMBER OF BLADES</b>	Five
<b>HUB ELIGIBLE</b>	5HFR34C1008

Blade Eligible (See Notes)	Max. Continuous Power		Takeoff power		Diameter Limits	Approx. Max. Weight Compl.
	hp	(rpm)	hp	(rpm)	m (in)	Kg (lb)
	<u>Hub Model 5JFR36C1003</u>					
L104DS[X]+6 to L104DS[X]-4	1400	(1700)	1400	(1700)	2.79 -2.54 (96 – 88) (-0 to -8)	88.45 (195)
	<u>Hub Model 5HFR34C1008</u>					
96LT[X]+0 to 96LT[X]-8	850	(2000)	850	(2000)	2.44 -2.24 (96 – 88) (-0 to -8)	82.55 (182)
	<u>Hub Model B5JFR36C1101</u>					
114GC[X]+0 to 114GC[X]-6	1650	(1552)	1650	(1552)	2.80 -2.74 (114 – 108) (-0 to -6)	104.78 (231)
	<u>Hub Model C5JFR36C1102</u>					
L114GC[X]+0 to L114GC[X]-6	1650	(1552)	1650	(1552)	2.80 -2.74 (114 – 108) (-0 to -6)	104.78 (231)
	<u>Hub Model B5JFR36C1103</u>					
114HC[X]+0 to 114HC[X]-6	1650	(1552)	1650	(1552)	2.80 -2.74 (114 – 108) (-0 to -6)	104.78 (231)
	<u>Hub Model C5JFR36C1104</u>					
L114HC[X]+0 to L114HC[X]-6	1650	(1552)	1650	(1552)	2.80 -2.74 (114 – 108) (-0 to -6)	104.78 (231)
	<u>Hub Model 5HFR34C1105</u>					
96LR[X]-0 to 96LR[X]-11	750	(2000)	750	(2000)	2.44 -2.24 (96 – 85) (-0 to -11)	75.30 (166)

**CERTIFICATION BASIS**

Brazilian Type Certificate No.2008T07 based on the RBHA 21.29 and the following requirements:

RBHA 35, which endorses the 14 CFR Part 35 including amendments 35-1 through 35-5 (14 October 1980) for model 5JFR36C1003.

RBHA 35, which endorses the 14 CFR Part 35 including amendments 35-1 through 35-6 (18 August 1990) to B5JFR36C1101 and C5JFR36C1102.

RBHA 35, which endorses the 14 CFR Part 35 including amendments 35-1 through 35-6 (18 August 1990) to B5JFR36C1103 and C5JFR36C1104.

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**CERTIFICATION BASIS  
(Cont.)**

RBHA 35, which endorses the 14 CFR Part 35 including amendments 35-1 through 35-6 (18 August 1990) to 5HFR34C1105.

RBHA 35, which endorses the 14 CFR Part 35 including amendments 35-1 through 35-6 (18 August 1990) for model 5HFR34C1008.

**TYPE CERTIFICATION**

<u>Model</u>	<u>Application</u>	<u>Issued TC</u>
5HFR34C(10--)	21 July 2008	08 September 2008
5HFR34C(11--)	21 July 2008	08 September 2008
5JFR36C(10--)	21 July 2008	08 September 2008
B5JFR36C(11--)	21 July 2008	08 September 2008
C5JFR36C(11--)	21 July 2008	08 September 2008

**PRODUCTION BASIS**

Under FAA Production Certificate No. 3

**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 FAA, 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 X 5 J E R 36 C 1003 - [X][X][X]

X

When present, indicates single 5/16" dowel location for the C1101 & C1102 and 3/8" dowel for the C1103 & C1104 with respect to centerline of No. 1 Blade socket, viewing hub from flange mounting face is 311.25° for right hand rotation, is 103.75° for left hand rotation.

5

Number of blades.

J

H denotes special flange – 4 ¼" bolt circle with eight 9/16" studs and two ½" dowels.

J denotes special flange – 5 1/8" bolt circle with twelve 9/16" studs and two 5/8" dowels.

E

Type of propeller – F, full feathering.

R

When present, indicates reverse pitch capability.

36

McCauley blade shank size.

C

Type of Propeller – C, constant speed.

1003

Numerals defining specific design and major change affecting eligibility or interchangeability of parts.

[X][X][X]

Letters denoting changes that do not affect eligibility or interchangeability on the aircraft.

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- NOTE 2** Blade Model Designation [X] [L] 104 DSZ - 0
- [X] Letter designating minor change not affecting eligibility or interchangeability.
- [L] Letter designating direction of rotation; no letter (blank) indicates clockwise (viewed from downstream), L indicates counter-clockwise.
- 104 Blade design diameter in inches.
- DSZ Characteristics of blade design (planform, etc). Suffix [X] indicates blades butt staking dimensions for actuating pin attachment.
- 0 Change in diameter from basic, + or -, in inches.
- NOTE 3** Not applicable.
- NOTE 4** Feathering. All propeller models are approved for feathering and unfeathering capability when installed with appropriate feather/unfeather controls
- Reversing. All propeller models are approved for installation with appropriate reversing controls.
- NOTE 5** Right and Left Hand Models. A version of an approved model with opposite hand notation is eligible at the same rating and diameter limitations.
- NOTE 6** Not applicable.
- NOTE 7** Accessories.
- a) Propeller Anti-icing.
- (1) Model 5JFR36C1003/L104DSZ anti-icing not applicable.
  - (2) Models B5JFR36C1101/114GCA and B5JFR36C1103/114HCA with McCauley deicer, P/N B-40183-16 installed per McCauley Specification MC-2611 and drawing C-6610, and with deicer components per installation drawing D-40550.
  - (3) Models C5JFR36C1102/L114GCA and C5JFR36C1104/L114HCA with McCauley deicer, P/N B-40183-17 installed per McCauley Specification MC-2611 and drawing C-6610, and with deicer components per installation drawing D-40550.
  - (4) Model 5HFR34C1105/69LR[X] with McCauley deicer, P/NB-40245-56, installed per McCauley Specification MC-2611 and McCauley drawing E-7393.
  - (5) Model 5HFR34C1008/96LTA with McCauley deicer, P/N B-40245-56 installed per McCauley Specification MC-2611 and drawing C6610-8.
- b) Propeller Spinner.
- (1) Model 5JFR36C1003/L104DSZ with spinner assembly E-6063.
  - (2) Models B5JFR36C1101/114GCA and C5JFR36C1102/L114GCA with electric deicer spinner assembly E-6466 or E-6931.
  - (3) Models B5JFR36C1103/114HCA and C5JFR36C1104/L114HCA with electric deicer spinner assembly E-6466 or E-6931.
  - (4) Model 5HFR34C1105/96LR[X] with spinner assembly E-7389.
  - (5) Model 5HFR34C1008/96LTA with spinner assembly E-7590.
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- NOTE 8** Not Applicable.
- NOTE 9** Special Limits: Airworthiness Limitations shall be complied with as given in the approved Airworthiness Limitations section of McCauley Components Maintenance Manual CMM1100-1 and Overhaul Manual MPC-1100-1.
- NOTE 10** Aircraft installation must be approved as part of the aircraft type certification upon compliance with the applicable aircraft airworthiness requirements.



**ADEMIR ANTÔNIO DA SILVA**  
**Gerente Geral, Certificação de Produto Aeronáutico**  
**(Manager, Aeronautical Product Certification)**

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