

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

P15NE
Revision 7
McCauley
5HFR34C(11--)
5JFR36C(10--)
B5JFR36C(11--)
C5JFR36C(11--)
5HFR34C(10--)
February 26, 2009

TYPE CERTIFICATE DATA SHEET NO. P15NE

Propellers of models described herein conforming with this data sheet (which is part of Type Certificate No. P15NE) and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certificated aircraft in accordance with the pertinent aircraft data sheets and applicable portions of the Federal Aviation Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder: McCauley Propeller Systems
7751 East Pawnee
Wichita, KS 67207

Type Constant speed, full feathering and reversing; hydraulic (see Note 4)
Engine Shaft Special flange, (see Note 1)
Hub Material Aluminum Alloy
Blade Material Aluminum Alloy
No. of Blades Five
Hubs 5JFR36C1003, 5HFR34C1008, B5JFR36C1101, C5JFR36C1102,
 B5JFR36C1103, C5JFR36C1104, 5HFR34C1105

Blades (See Note 2)	<u>Maximum</u>		<u>Take-Off</u>		<u>Diameter</u>	<u>Approx. Max.</u>
	<u>Continuous</u>		<u>HP</u>	<u>RPM</u>	<u>Limits</u>	<u>Wt. Complete</u>
	HP	RPM	HP	RPM	(See Note 2)	(For Ref Only)
	<u>Hub Model 5JFR36C1003</u>					
L104DS[X]+6 to L104DS[X]-4	1400	1700	1400	1700	110" - 100" (+6 to -4)	195 Lbs.
	<u>Hub Model 5HFR34C1008</u>					
96LT[X]-0 to 96LT[X]-8	850	2000	850	2000	96" - 88" (-0 to -8)	182 Lbs.
	<u>Hub Model B5JFR36C1101</u>					
114GC[X]-0 to 114GC[X]-6	1650	1552	1650	1552	114" - 108" (-0 to -6)	231 Lbs.
	<u>Hub Model C5JFR36C1102</u>					
L114GC[X]-0 to L114GC[X]-6	1650	1552	1650	1552	114" - 108" (-0 to -6)	231 Lbs.

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Blades (See Note 2)	<u>Maximum Continuous</u>		<u>Take-Off</u>		<u>Diameter Limits</u> (See Note 2)	<u>Approx. Max. Wt. Complete</u> (For Ref Only)
	HP	RPM	HP	RPM		
114HC[X]-0 to 114HC[X]-6	1650	1552	1650	1552	<u>Hub Model B5JFR36C1103</u> 114" - 108" (-0 to -6)	231 Lbs.
L114HC[X]-0 to L114HC[X]-6	1650	1552	1650	1552	<u>Hub Model C5JFR36C1104</u> 114" - 108" (-0 to -6)	231 Lbs.
96LR[X]-0 to 96LR[X]-11	750	2000	750	2000	<u>Hub Model 5HFR34C1105</u> 96" - 85" (-0 to -11)	166 Lbs.

Certification Basis

Type Certificate No. P15NE issued December 11, 1987, amended August 20, 1992, under Delegation Option Authorization Provisions of Part 21, Subpart J, of the 14 Code of Federal Regulations (CFR). Date of Application for Type Certificate, June 9, 1987.

Model 5JFR36C1003 type certificated under 14 CFR Part 35 including Amendments 35-1 through 35-5 (October 14, 1980) thereto.

Models B5JFR36C1101 and C5JFR36C1102 type certificated under 14 CFR Part 35 including Amendments 35-1 through 35-6 (August 18, 1990) thereto.

Models B5JFR36C1103 and C5JFR36C1104 type certificated under 14 CFR Part 35 including Amendments 35-1 through 35-6 (August 18, 1990) thereto.

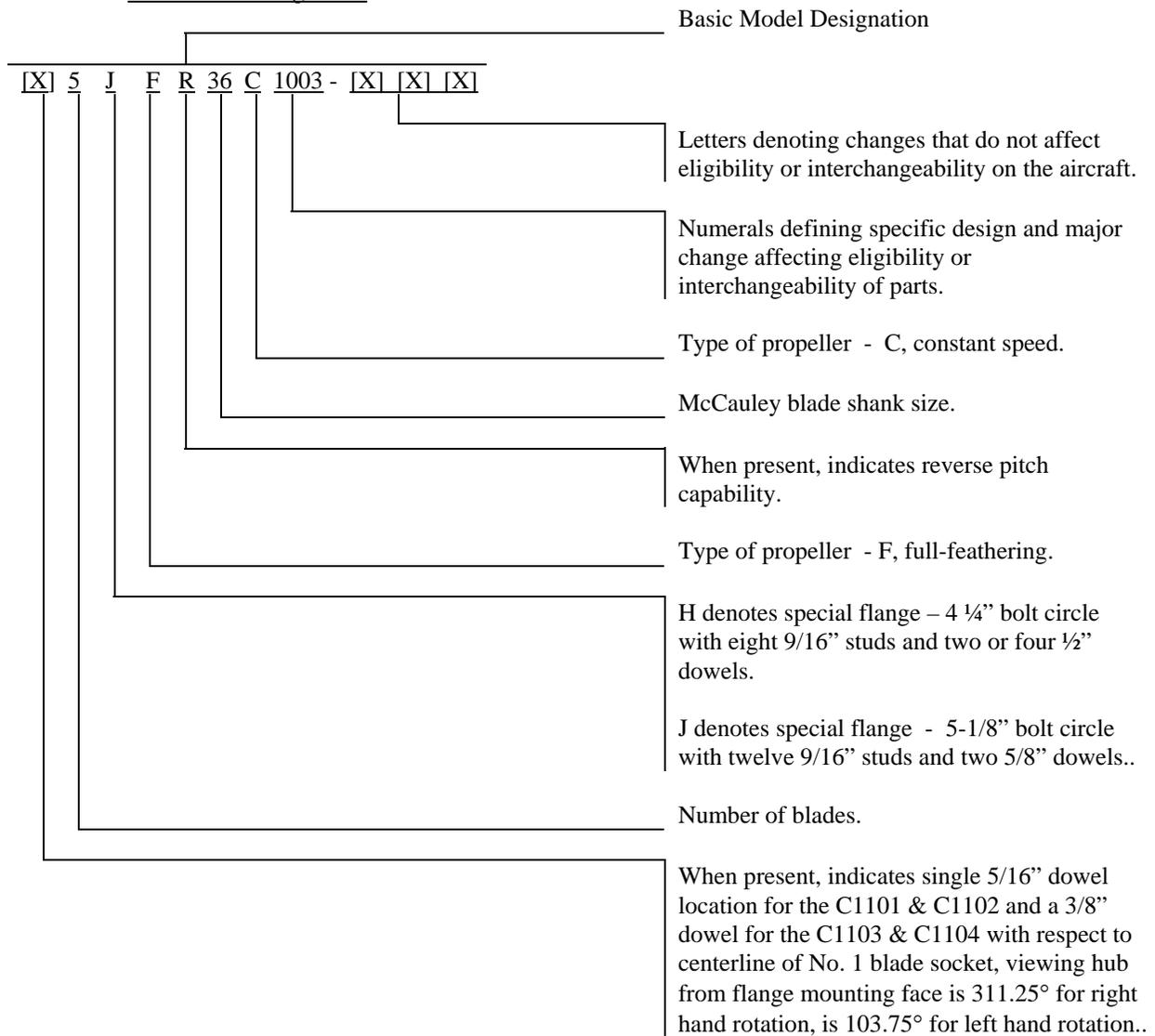
Model 5HFR34C1105 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 35 including Amendments 35-1 through 35-6 (August 18, 1990) thereto.

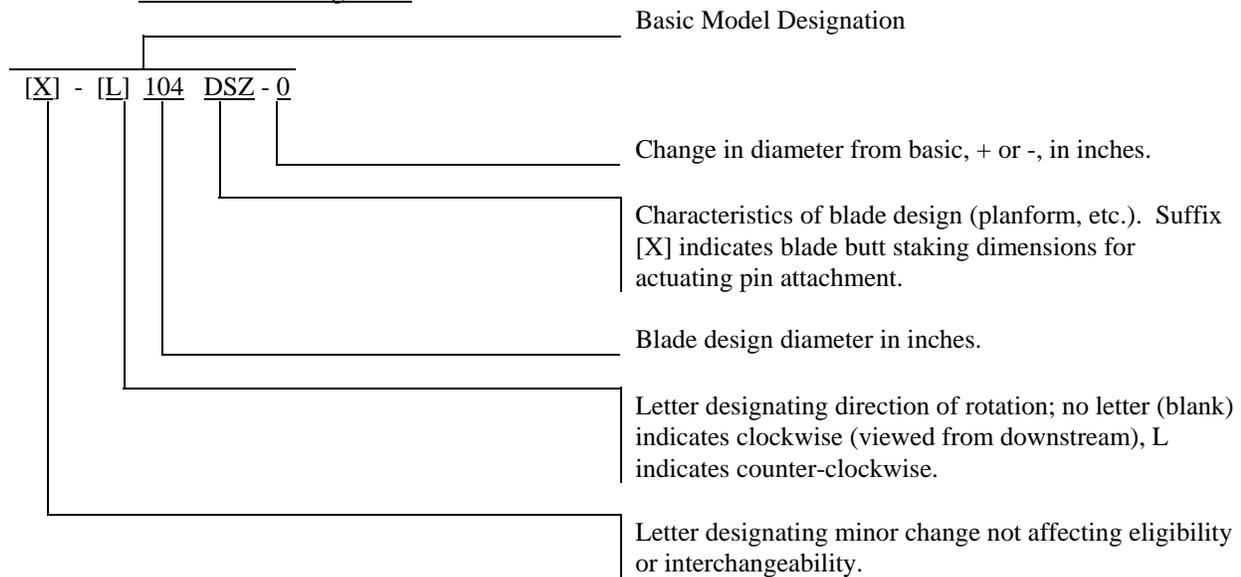
Model 5HFR34C1008 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 35 including Amendments 35-1 through 35-6 (August 18, 1990) thereto.

Production Basis

Production Certificate No. 3

NOTE 1. Hub Model Designation



NOTE 2. Blade Model Designation

NOTE 3. Not applicable.

NOTE 4. Feathering. All propeller models are approved for feathering and unfeathering capability when installed with appropriate feather/unfeathering 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 rotation 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 deice 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 deice components per installation drawing D-40550.
- (4) Model 5HFR34C1105/96LR[X] with McCauley deicer, P/N B-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 C-6610-8.

NOTE 7. Accessories (cont'd)

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.

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 certificate upon compliance with the applicable aircraft airworthiness requirements.

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