

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

P-919
Revision 8
McCauley
2A31C
B2A31C

July 7, 2006

TYPE CERTIFICATE DATA SHEET NO. P-919

Propellers of models described herein conforming with this data sheet (which is part of type certificate no. 919) and other approved data on file with the Federal Aviation Administration meet the minimum standards for use in certificated aircraft in accordance with 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.

Manufacturer McCauley Propeller Systems
7751 East Pawnee
Wichita, KS 67207

Type Constant speed; hydraulic (see Note 3)

Engine shaft Special flange 4 in. B.C.

Hub material Aluminum alloy

Blade material Aluminum alloy

Number of blades 2

Hub models eligible 2A31C21, B2A31C63

Blade Eligible (See Note 2)	Maximum Continuous		Takeoff		Diameter Limits (See Note 2)	Approx. Max. Wt. Complete (for reference only) (See Note 3)
	HP	RPM	HP	RPM		
84S-0 to 84S-9	175	2400	175	2400	84" - 75" (-0 to -9)	43 lb.
84S-4 to 84S-12	220	2800	220	2800	80" - 72" (-4 to -12)	42 lb.

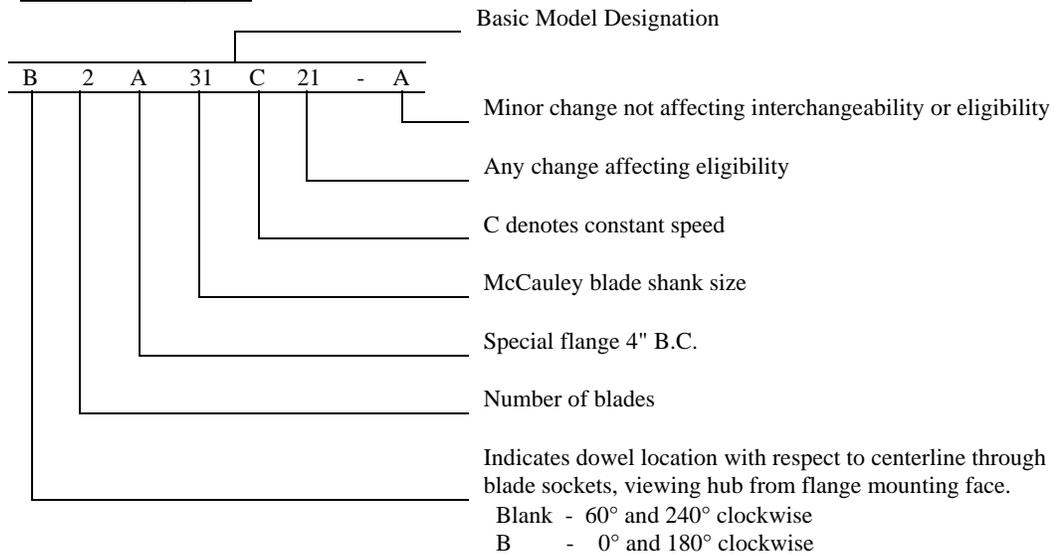
Certification basis CAR 14 effective December 15, 1956
Type Certificate No. 919 issued August 15, 1961, under delegation option provisions
of Part 410 of the Regulations of the Administrator.
Date of Application for Type Certificate July 20, 1961.

Production basis Production Certificate No. 3

Page No.	1	2	3
Rev. No.	8	7	7

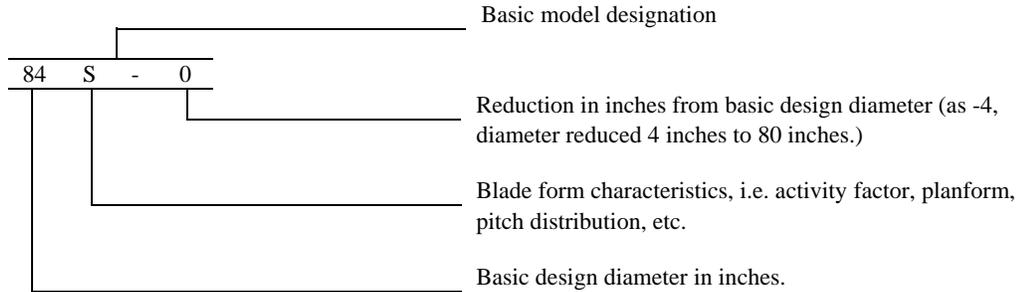
NOTE 1.

Hub Model Designation



NOTE 2.

Blade Model Designation



NOTE 3.

Pitch Control. Eligible with the following governors:

Woodward Model x, 210.xxx	Wt. 3.5 lb.
Garwin Model 34-827	Wt. 4.5 lb.
Garwin Model 34-828	Wt. 4.0
Garwin Model 34-831-03	Wt. 3.0
McCauley Model C290D1/T(X)	Wt. 2.8 lbs.
McCauley Model C290D2/T(X)	Wt. 2.8 lbs.
McCauley Model C290D3/T(X)	Wt. 2.8 lbs.
McCauley Model C290D4/T(X)	Wt. 2.8 lbs.

NOTE 4.

Not applicable.

NOTE 5.

Left-Hand Models.

The left-hand version of an approved model is eligible at the same rating and diameter limitations as listed for the right-hand model.

NOTE 6.

Not applicable.

NOTE 7.

Accessories

(a) Spinner

- (1) Model 2A31C21 eligible with Cessna spinner; Cessna Part No. 0552016.
- (2) Model B2A31C63 eligible with Cessna spinner; Cessna Part No. 0550235.

NOTE 8.

Not applicable.

NOTE 9.

Table of Propeller-Engine Combinations
Approved Vibrationwise for Use on Normal Category Single-Engine Tractor Aircraft

The maximum and minimum propeller diameters that can be used from a vibration standpoint are shown below. No reduction below the minimum diameter listed is permissible since this figure includes the diameter reduction allowable for repair purposes.

Hub Model	Blade Model	Engine Model	Engine Damper Configuration	Max. Dia. (Inches)	Min. Dia. (Inches)	Placards
2A31C	84S	Continental GO-300 series (Up to 175 hp and 2400 rpm rating)	Six 3rd Order	84	75	None
2A31C	84S	Franklin 6A-335 series (up to 180 hp and 2800 rpm rating)	None	80	72	None
B2A31C	84S	Continental IO-360 series (Up to 180 hp and 2700 rpm rating)	One 5th and One 6th order	78	74	None
2A31C	84S	Franklin 6A-350 series (Up to 220 hp and 2800 rpm rating)	None	80	74	None

NOTE 10. The word "eligible" as used herein does not signify approval. For approval, compliance with the applicable aircraft airworthiness requirements is necessary.

.....END.....