

**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

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| P13EA        |
| Revision 3   |
| McCAULEY     |
| 1A180        |
| May 29, 1987 |

TYPE CERTIFICATE DATA SHEET NO. P13EA

Propellers of models described herein conforming with this data sheet (which is a part of propeller Type Certificate No. P13EA) 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 Civil Air Regulations provided they are installed, operated and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder                      McCauley Accessory Division  
Cessna Aircraft Company  
Vandalia, Ohio 45377

Type    Fixed Pitch Metal  
Material    Aluminum Alloy  
Number of Blades                              Two

| Model<br>(See Note 2) | Takeoff &<br>Max. Cont. |      | Diameter | Standard<br>Pitch | Hub Drilling |               |                     | Diameter<br>Pilot<br>Hole | Hub Dimensions |           | Weight<br>(lb.)<br>(Max.Dia.) |
|-----------------------|-------------------------|------|----------|-------------------|--------------|---------------|---------------------|---------------------------|----------------|-----------|-------------------------------|
|                       | HP                      | RPM  |          |                   | No.<br>Holes | Dia.<br>Holes | Dia. Bolt<br>Circle |                           | Dia.           | Thickness |                               |
| 1A280/SEM             | 200                     | 2700 | 78"-68"  | 75"-40"           | 6            | 33/64"        | 4"                  | 2-1/4"                    | 4-7/8"         | 3-7/16"   | 30.5                          |

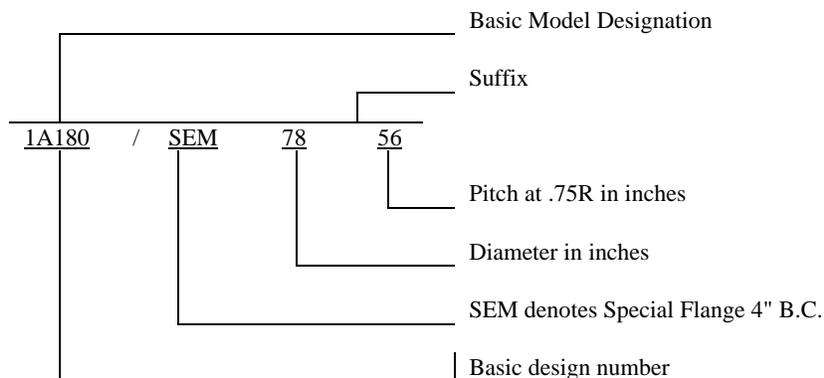
Certification basis                              Civil Air Regulations Part 14, effective December 15, 1956.  
Type Certificate No. P13EA issued August 30, 1963 under Delegation Option  
Authorization provisions of the Regulations of the Administrator, Part 410.  
Date of Application for Type Certificate, June 21, 1963.

Production basis                                  Production Certificate No. 3.

NOTE 1.    Installation. Propeller Model 1A180/SEM is for use on special Continental Motors Corp. flanged propeller shaft and must be installed in accordance with McCauley Drawing P/N C-3295.

For installation on flanged propeller shaft ends. Any front plate supplied by engine manufacturer is not to be used. Install with special alloy steel bolts specified or furnished by McCauley.

NOTE 2.    Propeller Model Designation. The propeller model designation consists of a series of numbers suffixed to the basic design number to indicate propeller diameter and geometric pitch at the .75 radius.



NOTES 3, 4, 5, 6, 7, and 8. Not applicable.

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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.

| <u>Propeller Model</u> | <u>Engine Model</u>                                     | <u>Engine Damper Configuration</u> | <u>Max. Dia. (Inches)</u> | <u>Min. Dia. (Inches)</u> | <u>Placards</u> |
|------------------------|---|------------------------------------|---------------------------|---------------------------|-----------------|
| 1A180/SEM              | Continental IO-360 series (up to 180 hp. @ 2700 r.p.m.) | Two-6th Order                      | 78                        | 74                        | None            |

NOTE 10.

The word "eligible" as used herein does not signify approval as part of this type certificate. "Eligible" accessories must be approved as part of the aircraft type certificate upon compliance with the applicable airworthiness requirements.

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