

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

P50GL
McCauley
1A103
May 1, 1977

TYPE CERTIFICATE DATA SHEET NO. P50GL

Propellers of models described herein conforming with this data sheet (which is part of propeller type certificate No. P50GL) 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.

Type Certificate Holder                      McCauley Accessory Division  
Cessna Aircraft Company  
1840 Howell Avenue  
Dayton, Ohio 45417

Type    Fixed pitch metal  
Material    Aluminum alloy  
Number of blades                                 Two

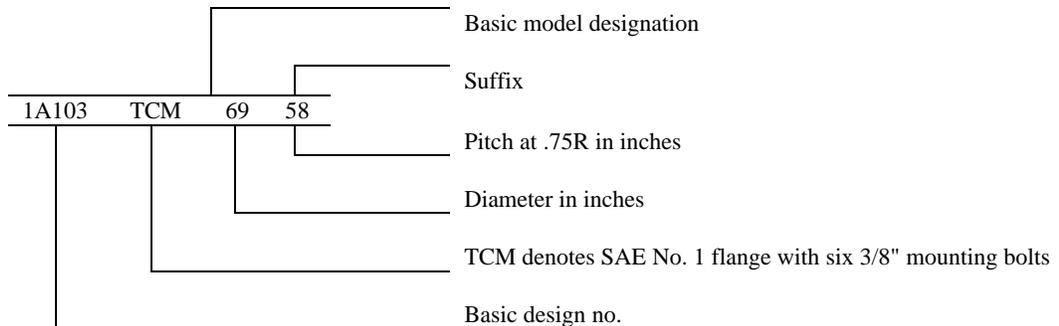
Model See Note 2	Takeoff Max. Cont.		Diameter	Standard Pitch	Hub Drilling			Diameter Pilot Hole	Hub Dimensions		Weight (lb.) (Max.Dia.)
	HP	RPM			No. Holes	Dia. Holes	Dia. Bolt Circle		Dia.	Thickness	
1A103/TCM	110	2550	69"-66"	68"-38"	6	25/64"	4-3/8"	2-1/4"	5"	3"	23.0

Certification basis                                Federal Aviation Regulations Part 35 effective February 1, 1965, with Amendments 35-1 and 35-2 thereto.  
Type Certificate No. P50GL issued March 2, 1977, under delegation option procedures  
Federal Aviation Regulations Part 21, Subpart J.  
Date of application for Type Certificate March 2,, 1977.

Production basis                                    Production Certificate No. 3

NOTE 1.    Installation. Propeller Model 1A103/TCM is for use on SAE No. 1 flange propeller shaft with six 3/8" mounting bolts and must be installed in accordance with McCauley Drawing No. C-4874.

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.

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.

Propeller Model	Engine Model	Engine Damper Configuration	Max. Dia. (Inches)	Min. Dia. (Inches)	Placards
1A103/TCM	Lycoming O-235-L2C (up to 110 hp @ 2550 rpm for all operations)	None	69	67.5	None

NOTE: Limited to aircraft having full throttle static rpm at 2280 to 2380 rpm.  $V_c$  not over 111 KIAS and  $V_{NE}$  not over 149 KIAS.

NOTE 10.

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

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