

**COMANDO DA AERONÁUTICA
DEPARTAMENTO DE PESQUISAS E DESENVOLVIMENTO
CENTRO TÉCNICO AEROESPACIAL**

TYPE CERTIFICATE DATA SHEET N° EH-1999T10

Type Certificate Holder:

McCAULEY PROPELLER SYSTEMS
3535 McCauley Drive
Vandalia Ohio, OH 45377-5053
P.O. Box 5053
USA

EH-1999T10

Sheet 01

McCAULEY

1A200

September 1999

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. 1999T10, 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.

TYPE	Fixed pitch metal
ENGINE SHAFT	S.A.E. No. 2 flange modified (See Note 1)
HUB MATERIAL	Aluminum alloy
BLADE MATERIAL	Aluminum alloy
NUMBER OF BLADES	Two

HUB ELIGIBLE

1A200

Model (See Note 2)	Takeoff & Max. Power		Diameter Limits	Standard Pitch	Hub Drilling			Diam. Pilot Hole	Hub Dimension		Weight	
	hp	rpm			in	in	No. Holes		Diam. Holes	Dia. Bolt Circle	Diam	Thickness
<u>Hub Model 1A200</u>												
1A200/FA	300	2700	90-78	100-40	6	33/64	434	2 1/4	6	3 9/16	19.05	42

CERTIFICATION BASIS Civil Air Regulation Part 14 effective November 1, 1949 with Amendment 14-1 thereto.

TYPE CERTIFICATION

Application

Issued TC

1A200/FA

17 June 1999

14 September 1999

PRODUCTION BASIS

Production Certificate No. 3.

IMPORT REQUIREMENTS

Each propeller imported separately and/or spare parts must be accompanied by an export airworthiness approval issued by the primary authority, attesting that the particular propeller and/or parts were submitted to the governmental quality control before delivery and are in conformity with the CTA approved type design.

NOTES**NOTE 1** Installation.

Propeller Model 1A200/FA is for use on SAE #2 modified flange and must be installed in accordance with McCauley Drawing C-2337.

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 0.75 radius.

1A200 / FM 90 47

1A200 Basic Design No.

FM FM - Denotes SAE No. 4 Flange
FC - Denotes Special Flange, 4" B.C.
HM - Denotes Special Flange, 6" B.C.
FA - Denotes SAE No. 2 Flange Modified (6-1/2" bolts)
DFA - Denotes SAE No. 2 Flange Modified (6-1/2" bolts) and
 B-3434 spacer
FAM - Denotes SAE No. 2 Flange Modified (6-3/8" bolts)
OM - Denotes Special Flange 4" B.C.: square tips
AOM - Denotes Special Flange 4" B.C.: square tips
HFA - Denotes SAE No. 2 Flange Modified (6-1/2" bolts) and B-
 4585 spacer

90 Diameter in inches

47 Pitch at .75R in inches

NOTE 3 Not applicable.

NOTE 4 Not applicable.

NOTE 5 Not applicable.

NOTE 6 Not applicable

NOTE 7 Not applicable.

NOTE 8 Not applicable.

NOTE 9 Special Note

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

JOSÉ LUIZ R. BELDERRAIN – Ten.-Cel.-Eng.
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