

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

P-879 Revision 9 Beechcraft 272 September 23, 2013
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**TYPE CERTIFICATE DATA SHEET NO. P-879**

Propellers of models described herein conforming with this specification and approved data on file with the Civil Aeronautics Administration are rated as airworthy for use in certificated aircraft in accordance with pertinent aircraft specifications and applicable portions of the Civil Air Regulations provided they are installed, operated, and maintained as prescribed by the manufacturer.

Type Certificate Holder	Beechcraft Corporation 10511 East Central Wichita, KS 67206
Type Certificate Holder Record	Beech Aircraft Company transferred to Raytheon Aircraft Company on April 16, 1996  Raytheon Aircraft Company transferred to Hawker Beechcraft Corporation on March 26, 2007  Hawker Beechcraft Corporation transferred to Beechcraft Corporation on April 12, 2013

Type	Constant speed; hydro-mechanical (see NOTES 3 and 4)
Engine shaft	SAE # 20 spline shaft
Hub material	Steel
Blade material	Aluminum alloy
Number of blades	2
Hub model eligible	272-100 series (see NOTE 1)

Blades Eligible (See Note 2)	Maximum <u>Continuous</u>		<u>Takeoff</u>		Diameter Limits	Approx. Max. Wt. Complete (for reference only) (See Notes 3, 4 & 7)
	HP	RPM	HP	RPM		
272-234-101 to 272-234-88	325	2000	375	2180	101" - 88"	95 lbs.

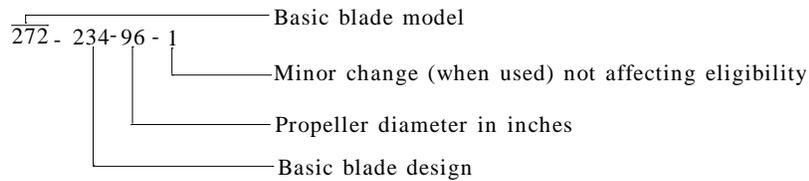
Certification basis	Type Certificate No. 879
Production basis	Production Certificate No. 501

NOTE 1. Hub Model Designation

272 - 1 05	Basic model
	Minor change not affecting eligibility
	Basic drawing identity

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NOTE 2.

Blade Model Designation

NOTE 3.

Pitch Control Eligible. Eligible only with Beech control unit 272-200 and Beech governor B200-250. Additional weight of governor 3-1/2 lbs. (Weight of transmission is included in approximate weight of propeller listed above.)

NOTE 4.

Feathering. Eligible only with Beech full feathering control.

NOTE 5.

Left-Hand Models. Not applicable.

NOTE 6.

Interchangeable Blades. Not applicable.

NOTE 7.

Accessories.(a) Propeller Deicing

- (1) Eligible with Beech fluid deicer slinger ring included in Item (b)(1).
- (2) Eligible with Beech No. 279-404 (Goodrich No. 37572) propeller deicer fluid feed strips when installed in accordance with instructions issued by Beech.

(b) Propeller Spinner

Eligible with:

- (1) Beech spinner 272-102 (additional weight 6 lbs.)
- (2) Beech spinner 268-203 (additional weight 7 lbs.)

NOTE 8.

Not applicable.

NOTE 9.

Table of Propeller-Engine CombinationsApproved Vibrationwise for Use on Single-Engine Tractor Aircraft

The maximum and minimum propeller diameters that can be used from a vibration standpoint are shown, and do not necessarily represent the diameter of the propeller actually used in any particular installation.

Blade Model	Engine Model	Max. Dia. (inches)	Min. Dia. (inches)	Placards
272-234-98	Lycoming GO-435-C2	98-1/2	97-1/2	Avoid continuous operation between 2875 and 3075 rpm.
	Lycoming GO-435-C2-6	98-1/2 94-1/2	97-1/2 92	Avoid continuous operation between 2200 and 2550 rpm.

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