

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

P-885
Revision 5
Beech
279

April 15, 1996

TYPE CERTIFICATE DATA SHEET NO. P-885

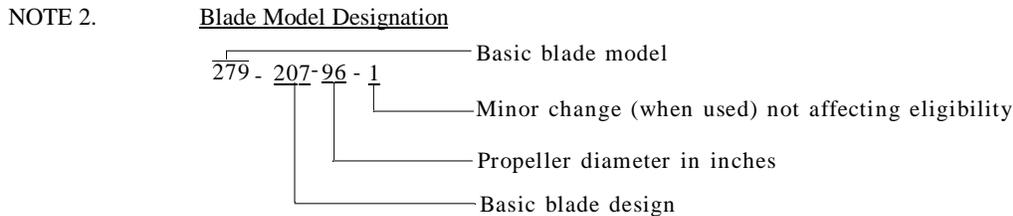
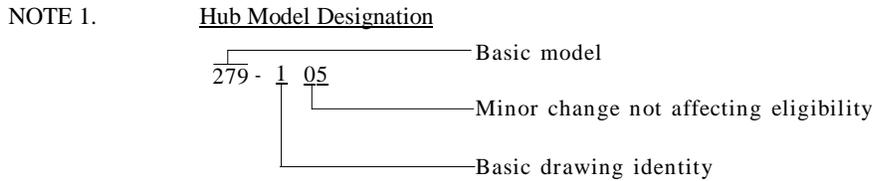
Propellers of models described herein conforming with these specifications and approved data on file with the Civil Aeronautics Administration are rated as airworthy for use in certificated aircraft in accordance with pertinent aircraft specifications and applicable portions of the Civil Air Regulations.

Type Certificate Holder	Raytheon Aircraft Company 9709 E. Central Wichita, KS 67201
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Model	279
Pitch	Hydraulically controllable - feathering. (See NOTES 3 and 4.)
Blade shank size	3.45 inches diameter
Engine shaft	Special flange 4" B.C.
Hub material	Steel
Blade material	Aluminum alloy
Number of blades	2
Hub model eligible	279-100 (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 and 7)
	HP	RPM	HP	RPM		
279-207-98 to 279-207-92	265	2000	280	2180	98" - 92"	88 lbs.
279-234-94½ to 279-234-92	265	2000	280	2180	94½" - 92"	88 lbs.

Certification basis	Type Certificate No. 885
Production basis	Production Certificate No. 501



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NOTE 3. Pitch Control. Eligible only with Beech 279-220 governor (Woodward 210085). Additional weight of governor 3-1/2 lbs.

NOTE 4. (a) Feathering. Eligible with full feathering controls installed in accordance with the propeller manufacturer's instructions.
 (b) Reversing. Not applicable.

NOTE 5. Left-Hand Models. Not applicable.

NOTE 6. Interchangeable Blades. Only bladed listed in the same group of the following listed groups are sufficiently similar aerodynamically and vibrationwise to permit interchangeability in the same diameter without a flight test. Group (a) 279-207, 275-234 (blades are identical when cut to same length).

NOTE 7. Accessories.
 (a) Propeller Deicing
 (1) Eligible with Beech fluid deicer slinger ring assembly.
 (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 Model 279-205 spinner shell, 279-377 bulkhead, 279-381 bulkhead, and associated attaching parts. Weight of spinner and parts is included in approximate weight of propeller listed above. (Approximately 7 lbs. less if spinner is not used.)

NOTE 8. Not applicable.

NOTE 9. Table of Propeller-Engine Combinations
Approved Vibrationwise for Use on 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.

Blade Model	Engine Model	Max. Dia. (inches)	Min. Dia. (inches)	Placards
279-234-94.5	Lycoming CO-435-C2D-6	94-1/2	92	"Avoid continuous operation between 2250 and 2450 rpm."
379-234-94.5	Lycoming CO-480-F-6	94-1/2	92	"Avoid continuous operation between 2200 and 2500 rpm."
279-207-98	Lycoming CO-480-F-6	98-1/2 94-1/2	and 97-1/2 92	"Avoid continuous operation between 2200 and 2500 rpm."

*For aircraft placarded to restrict operation between 2250 and 2500 rpm the minimum diameter is 94 inches. When additional cutoff is desired, the placard must be extended to restrict operation between 2200 and 2500 rpm.

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