

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

P-882
Revision 15
Beechcraft
278

September 23, 2013

TYPE CERTIFICATE DATA SHEET NO. P-882

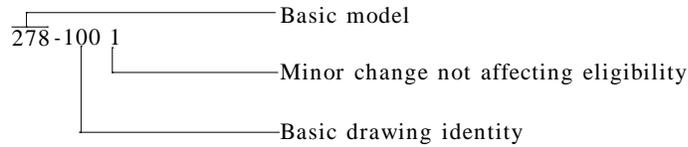
Propellers of models described herein conforming with these specifications and approved data on file with the Federal Aviation Administration are rated as airworthy for use in certificated aircraft in accordance with pertinent aircraft specifications and applicable portions of the Civil Air Regulations 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 Engine shaft	Constant speed; hydraulic (see NOTE 3) Special flange shaft, 4" diameter bolt circle
Hub material	Steel
Blade material	Aluminum alloy
Number of blades	2
Hub model eligible	278-100, 278-107 (see NOTE 1)

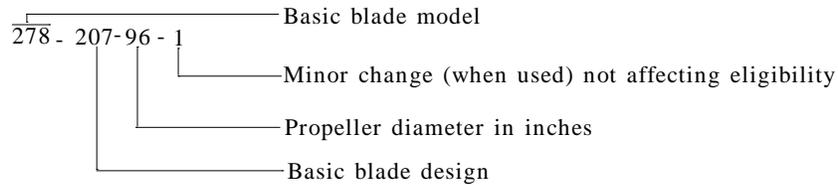
Blades Eligible (See Note 2)	Maximum Continuous		Takeoff		Diameter Limits	Approx. Max. Wt. Complete (for reference only) (See Notes 3 and 7)
	HP	RPM	HP	RPM		
277-207-91	240	2600	240	2600	91"	69 lbs.
278-207-88 to 278-207-82	240	2600	240	2600	88" - 82"	69 lbs.
278-208-82 to 278-208 81½	250	2600	250	2600	82" - 81½"	69 lbs.
278-208-84 to 278-208-82	260	2625	260	2625	84" - 82"	69 lbs.
278-209-84 to 278-209-82	250	2600	250	2600	84" - 82"	73 lbs.
278-213-82	250	2600	250	2600	82"	73 lbs.
278-214-82	260	2625	260	2625	82"	69 lbs.

Certification basis Type Certificate No. 882
 Production basis Production Certificate No. 501

NOTE 1. Hub Model Designation



NOTE 2. Blade Model Designation



NOTE 3. Pitch Control.

Applicable Blades	Governor	Governor Pressure*	Applicable Airplane
278-207-88 or 278-208-84	Woodward 210060 or Beech 278-220	500 p.s.i.	Beech 45 (T-34)
278-208-84	Woodward 210175 (thru "G" revision) or Woodward 210235	450 p.s.i.	Beech H-35
278-209-84	Woodward 210175 ("H" revision and later)	320 p.s.i.	Beech H-35
278-213-82 or 278-214-82	Woodward 210235	450 p.s.i.	Beech J-35

*Includes 50 p.s.i. inlet pressure.
 Additional weight of governor 3-1/2 lbs.

NOTE 4. Feathering. Not applicable

NOTE 5. Left-Hand Models. Not applicable.

NOTE 6. Interchangeable Blades. Not applicable.

NOTE 7. Accessories. Propeller is equipped with Model 278-205 spinner. Weight of spinner is included in approximate weight of propeller listed above. (Approximately 4 lbs. less if spinner is not used.)

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 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
	Continental 0-470-13			
278-207-88	0-470-13A	88	82	None
	Continental IO-470-C			
278-208-82	IO-470-N	82	81½	None
278-214-82	IO-470-N	82	82	None
Blade Model	Engine Model	Max. Dia. (inches)	Min. Dia. (inches)	Placards
	Continental 0-470-13			
278-208-84	{ 0-470-13A 0-470-4	84	82	None
*278-208-84	Continental 0-470-G	84	83	None
*278-209-84	Continental 0-470-G	84	83	None

*Eligible only on Beech Model H35 airplane which was certificated under Part 410 of the Regulations of the Administrator.

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